

Senate
Fort Garry Campus:
Senate Chamber
Room E3-262 Engineering Building

Bannatyne Campus:
Room A106 Chown Building

Wednesday, December 6, 2023
1:30 p.m.

A G E N D A

I MATTERS TO BE CONSIDERED IN CLOSED SESSION

1. **Report of the Senate Committee on Honorary Degrees
[November 21, 2023]**

The confidential report will be provided to members of Senate on the Monday preceding the meeting.

II MATTERS RECOMMENDED FOR CONCURRENCE WITHOUT DEBATE

1. **Report of the Senate Committee on Curriculum and Course
Changes on Course and Program Changes** Page 5
2. **Report of the Faculty Executive Committee of the Faculty
of Graduate Studies RE: Department of Indigenous Studies** Page 157
3. **Reports of the Faculty Council of the Faculty of
Graduate Studies**
 - a) **RE: Department of Animal Science** Page 158
 - b) **RE: Department of Community Health Sciences** Page 162
 - c) **RE: Department of English, Theatre, Film & Media** Page 169
 - d) **RE: Faculty of Kinesiology and Recreation Management** Page 174
 - e) **RE: Department of Occupational Therapy** Page 180
 - f) **RE: College of Pharmacy** Page 186
 - g) **RE: Department of Political Studies** Page 192
 - h) **RE: Department of Psychology** Page 200
 - i) **RE: Faculty of Social Work** Page 203
 - j) **RE: Department of Sociology and Criminology** Page 219

III MATTERS FORWARDED FOR INFORMATION

1. In Memoriam

- a) Sheila Andrich Page 224
- b) Dr. Michael Angel Page 225
- c) Dr. Vivian Bruce Page 226

2. Report of the Senate Committee on Awards [October 4, 2023] Page 227

3. Correspondence from Vice-Provost (Academic and Planning) RE: Extension of Suspensions of Admissions, Approval

- a) Bachelor of Human Ecology (Family Social
 Sciences) and Bachelor of Human Ecology
 (Family Social Sciences) After-Degree,
 Rady Faculty of Health Sciences Page 237
- b) Master of Arts in Icelandic Language and Literature,
 Faculty of Arts Page 239

IV REPORT OF THE PRESIDENT

1. Report of the President

2. Presentation: Campus Safety

V QUESTION PERIOD

Senators are reminded that questions related to matters not on the agenda shall normally be submitted in writing to the University Secretary no later than 10:00 a.m. of the Monday preceding the meeting.

Senators are reminded that questions pertaining to items on the agenda can be asked during the Senate meeting and do not require submission in advance.

VI CONSIDERATION OF THE MINUTES OF THE MEETING OF NOVEMBER 1, 2023

VII BUSINESS ARISING FROM THE MINUTES - none

VIII REPORTS OF THE SENATE EXECUTIVE COMMITTEE AND THE SENATE PLANNING AND PRIORITIES COMMITTEE

1. Report of the Senate Executive Committee Page 241

Comments of the Senate Executive Committee will accompany the report on which they are made.

2. **Report of the Senate
Planning and Priorities Committee**

The Chair will make an oral report of the Committee's activities.

IX **REPORTS OF OTHER COMMITTEES OF SENATE,
FACULTY AND SCHOOL COUNCILS**

1. **Reports of the Faculty Council of the Faculty of
Graduate Studies**

- | | | |
|----|---|----------|
| a) | <u>RE: Revisions to English Language Exemption List,
Faculty of Graduate Studies</u> | Page 242 |
| b) | <u>RE: Asper School of Business</u> | Page 243 |
| c) | <u>RE: Proposed Co-operative Education / Industrial
Internship Option, Master of Engineering in Biosystems
Engineering, Department of Biosystems Engineering</u> | Page 248 |

2.	<u>Report of the Senate Committee on Curriculum and Course Changes RE: Major Curriculum Revisions, Department of Biological Sciences, Faculty of Science</u>	Page 255
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3. **Reports of the Senate Committee on Admissions**

- | | | |
|----|--|----------|
| a) | <u>RE: Proposed Waitlist Management Policy,
Asper School of Business</u> | Page 291 |
| b) | <u>RE: Revised Admission Requirements, Doctor of
Medicine (Undergraduate Medical Education) Program,
Max Rady College of Medicine</u> | Page 294 |

4. **Reports of the Senate Committee on Instruction and Evaluation**

- | | | |
|----|---|----------|
| a) | <u>RE: Proposed Procedure on Student Reflections on
Instruction and Courses</u> | Page 299 |
| b) | <u>RE: Revised Regulations, Co-operative Education
and Industrial Internship Program, Price Faculty of
Engineering</u> | Page 310 |
| c) | <u>RE: Revised Graduation Requirements, Bachelor of
Science (Major) in Physics and Astronomy,
Faculty of Science</u> | Page 315 |

5.	<u>Report of the Senate Committee on Nominations [November 15, 2023]</u>	Page 317
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X ADDITIONAL BUSINESS

- 1. MOMENTUM: Leading Change Together, University of
 Manitoba draft Strategic Plan, 2024-2029
 *(for consultation)***

Page 321

XI ADJOURNMENT

Please send regrets to shannon.coyston@umanitoba.ca.

Report of the Senate Committee on Curriculum and Course Changes - Submitted to Senate for Concurrence Without Debate

Preamble:

1. The [terms of reference](#) for the Senate Committee on Curriculum and Course Changes (SCCCC) are available on the University Governance website. The SCCCC is “to recommend to Senate on the introduction, modification or abolition of undergraduate programs, curricula or courses.”
2. Since last reporting to Senate, the Senate Committee on Curriculum and Course Changes (SCCCC) met on October 11, 16, and October 26, 2023, to consider curriculum and course changes from Faculties, Colleges, and Schools.
3. The Report outlines course and curriculum changes endorsed by the SCCCC at the meetings noted above.
4. Proposed course deletions, introductions, and modifications, and program modifications are described in detail in the attachment to the Report. All changes are effective for the 2024 Fall Term except where indicated otherwise within the Report.

Observations:

1. General

In keeping with past practice, most changes for departments totalling less than ten credit hours are forwarded to Senate for concurrence without debate. This is in accordance with the Senate’s recommendation approved July 3, 1973, that course changes would cease to go to the SPPC when the resource implications are intra-faculty. Deans and Directors are to assess the resource implications to the respective units when course changes are proposed. Major changes in existing programs are to be referred to the SPPC for assessment of resource implications.

2. Courses to be Removed from the List of Approved Written English Courses

ANTH 1520 Critical Cultural Anthropology 3 cr

ANTH 3330 Sex and Sexualities 3 cr

ENGL 2190 Special Topics 3 cr

ENGL 2830 Literature of Africa and/or the Caribbean 3 cr

ENGL courses at the 3000- and 4000- level, including:

ENGL 3000 Chaucer 6 cr

ENGL 3010 Shakespeare 6 cr

ENGL 3030 Studies in Sixteenth-Century Literature 3 cr

ENGL 3050 Studies in Old English 6 cr

ENGL 3080 Studies in Studies in Medieval Literature 3 cr

ENGL 3090 Studies in Seventeenth-Century Literature 3 cr

ENGL 3120 Studies in Restoration and Eighteenth-Century Literature 3 cr

ENGL 3130 Studies in the Romantics 3 cr

ENGL 3140 Studies in the Victorians 3 cr

ENGL 3170 Studies in American Literature 3 cr

ENGL 3180 Studies in Renaissance Literature 3 cr
 ENGL 3190 Studies in Special Topics 6 cr
 ENGL 3270 Studies in Canadian Literature 3 cr
 ENGL 3500 Creative Writing 3 cr
 ENGL 3530 Studies in Creative Writing 3 cr
 ENGL 3550 Studies in British Literature Since 1900 3 cr
 ENGL 3620 Special Topics in Print Culture and Book History 3 cr
 ENGL 3630 Special Topics in Critical Theory 3 cr
 ENGL 3670 Special Topics in the Novel 6 cr
 ENGL 3800 Special Studies 3 cr
 ENGL 3890 Studies in Writing and Gender 3 cr
 ENGL 3910 Special Topics in Comics 3 cr
 ENGL 3920 Special Topics in Science Fiction and Fantasy 3 cr
 ENGL 3940 Special Topics in Travel Writing 3 cr
 ENGL 3960 Special Topics in Drama 3 cr
 ENGL 3970 Special Topics in Poetry 3 cr
 ENGL 3980 Special Topics in Modernism 3 cr
 ENGL 3990 Special Topics in Post-Modernism 3 cr
 ENGL 4630 Honours Seminar 3 cr
 ENGL 4770 Honours Seminar 1 6 cr

HIST 2502 The Modern Middle East: A Critical Survey (R) 6 cr

3. **Courses to be Added to the List of Approved Written English Courses**

ENGL 2810 Special Topics in Literature Prior to 1900 3 cr
 ENGL 2820 Special Topics in Literature After 1900 3 cr
 ENGL 2850 Literature of the Caribbean 3 cr
 ENGL 2860 African Literature 3 cr

4. **Courses to be Added to the Recommended Introductory Course List**

FIN 1010 Introduction to Personal Finance 3 cr

5. **Courses to be Removed from the Recommended Introductory Course List**

ANTH 1520 Critical Cultural Anthropology 3 cr
 HIST 2502 The Modern Middle East: A Critical Survey (R) 6 cr

6. **Revised Titles for Courses on the Recommended Introductory Course List**

ANTH 1210 Ancient Peoples and Places 3 cr
 ANTH 1220 Socio-Cultural Anthropology 3 cr

7. **Faculty of Architecture**

The faculty is proposing the modification of one course. The overall number of credit hours offered by the faculty would not change.

8. **Faculty of Arts**

Faculty of Arts

The faculty is proposing program modifications to the **Bachelor of Arts Integrated Studies** program, as detailed in the attachment to the Report. Specifically, the list of courses required for **The Changing Workplace (Concentration)** will be modified to reflect a proposal from the Labour Studies Program, to change the course title for LABR 1290 Introduction to the Canadian Labour Movement to “Labour Unions and Workers’ Rights in Canada.”

The faculty is proposing modifications to the programs listed below, as detailed in the attachment to the Report. Program note 1 would be revised to reflect the recent deletion of the former MATH 1690 Calculus by the Department of Mathematics, Faculty of Science.

- **Bachelor of Arts (General Major) in Mathematics**
- **Bachelor of Arts (Single Advanced Major) in Mathematics**

The faculty is proposing program modifications to the **Interfaculty Option in Aging**, as detailed in the attachment to the Report. Specifically, the list of Approved Electives will be revised to add NURS 2100: Introduction to Family Caregiving Across the Lifespan.

Anthropology

The department is proposing the deletion of two (2) courses and the modification of twenty-one (21) courses. The overall number of credit hours offered by the department would decrease by 6 credit hours.

The department is proposing modifications to the programs listed below, as detailed in the attachment to the Report. The modifications to the Year 1 curriculum follow from proposed course changes.

- **Bachelor of Arts (General Major) in Anthropology**
- **Bachelor of Arts (Single Advanced Major) in Anthropology**
- **Bachelor of Arts (Single Advanced Major) in Anthropology, Co-operative Education Option**
- **Bachelor of Arts (Double Advanced Major) in Anthropology**
- **Bachelor of Arts (Single Honours) in Anthropology**
- **Bachelor of Arts (Single Honours) in Anthropology, Co-operative Education Option**
- **Bachelor of Arts (Double Honours) in Anthropology**
- **Minor (Concentration) in Anthropology**

Canadian Studies

The program is proposing modifications to the programs listed below, as detailed in the attachment to the Report. The List of Approved Courses in Canadian Studies will be revised to reflect course changes proposed by the Department of Anthropology involving revisions to course titles for several courses.

- **Bachelor of Arts (General Major) in Canadian Studies**
- **Bachelor of Arts (Single Honours) in Canadian Studies**

- **Bachelor of Arts (Double Honours) in Canadian Studies**
- **Minor (Concentration) in Canadian Studies**

English, Theatre, Film & Media

The department is proposing the deletion of five (5) courses, the introduction of eight (8) courses, and the modification of thirty-eight (38) courses. The overall number of credit hours offered by the department would increase by 9 credit hours.

The department is proposing modifications to thirty (30) 3000- and 4000-level courses, to remove them from the List of Written English Courses, as detailed above in observation 2 of this Report.

The department is proposing modifications to the programs listed below, as detailed in the attachment to the Report. Specifically, revisions to the Literature Prior to 1900 list, which are being made to reflect proposed course deletions and introductions, will affect all the programs listed. Revisions to the Literature After 1900 list, to reflect proposed course changes, will affect the Bachelor of Arts (Single Honours) in English.

- **Bachelor of Arts (General Major) in English**
- **Bachelor of Arts (Single Advanced Major) in English**
- **Bachelor of Arts (Double Advanced Major) in English**
- **Bachelor of Arts (Single Honours) in English**
- **Bachelor of Arts (Double Honours) in English**
- **Minor (Concentration) in English**

German and Slavic Studies

The department is proposing the modification of three (3) courses. The overall number of credit hours offered by the department would not change.

Global Political Economy

The program is proposing modifications to the programs listed below, as detailed in the attachment to the Report. Program note 1 would be updated to reflect a proposal from the Department of Anthropology to delete ANTH 1520 Critical Cultural Anthropology.

- **Bachelor of Arts (General Major) in Global Political Economy**
- **Bachelor of Arts (Single Advanced Major) in Global Political Economy**
- **Bachelor of Arts (Single Honours) in Global Political Economy**

History

The department is proposing the deletion of one (1) course. The overall number of credit hours offered by the department would decrease by 6 credit hours.

Labour Studies

The program is proposing the modification of one (1) course. The overall number of credit hours offered by the program would not change.

The program is proposing modifications to the programs listed below, as detailed in the attachment to the Report. Modifications follow from courses changes proposed by the program and by the Department of Philosophy.

- **Bachelor of Arts (General Major) in Labour Studies**
- **Bachelor of Arts (Single Advanced Major) in Labour Studies**
- **Bachelor of Arts (Single Advanced Major) in Labour Studies, Co-operative Education Option**
- **Minor (Concentration) in Labour Studies**

Linguistics

The department is proposing program modifications to the **Program for Deaf Studies and the American Sign Language**, as detailed in the attachment to the Report. The modifications follow from course changes proposed by the Department of Anthropology.

Philosophy

The department is proposing the deletion of one (1) course and the introduction of three (3) courses. The overall number of credit hours offered by the department would increase by 3 credit hours.

Political Studies

The department is proposing the modification of two (2) courses. The overall number of credit hours offered by the department would not change.

Psychology

The department is proposing modifications to the **Bachelor of Arts (Single Honours) in Psychology**, as detailed in the attachment to the Report. The presentation of a requirement in the program chart, to complete either 3 credit hours of Psychology courses at the 4000-level or one of PSYC 3520 Independent Research in Psychology 1, PSYC 3560 Supervised Field Study in Psychology, or PSYC 3590 Independent Research in Psychology 2, will be amended to improve clarity for students. The option to complete PSYC 3520, PSYC 3560, or PSYC 3590 will be presented in a program note, rather than in the chart.

Religion

The department is proposing modifications to the programs listed below, as detailed in the attachment to the Report. Specifically, to address an oversight, the list of courses in the Judaism tradition will be revised to include the existing course RLGN 3400 Zionism: Religious Perspectives.

- **Bachelor of Arts (General Major) in Religion**
- **Bachelor of Arts (Single Advanced Major) in Religion**
- **Bachelor of Arts (Double Advanced Major) in Religion**
- **Bachelor of Arts (Single Honours) in Religion**
- **Bachelor of Arts (Double Honours) in Religion**

Sociology and Criminology

The department is proposing the introduction of one (1) course. The overall number of credit hours offered by the department would increase by 3 credit hours.

Women's and Gender Studies

The program is proposing modifications to the programs listed below, as detailed in the attachment to the Report. Specifically, to revise List A to reflect a proposal from the Department of Anthropology to delete ANTH 3330 Sex and Sexualities.

- **Bachelor of Arts (General Major) in Women's and Gender Studies**
- **Bachelor of Arts (Single Advanced Major) in Women's and Gender Studies**
- **Bachelor of Arts (Double Advanced Major) in Women's and Gender Studies**
- **Bachelor of Arts (Single Honours) in Women's and Gender Studies**
- **Bachelor of Arts (Double Honours) in Women's and Gender Studies**
- **Minor (Concentration) in Women's and Gender Studies**

9. Faculty of Education

Curriculum, Teaching and Learning

The department is proposing the deletion of two (2) courses, the introduction of two (2) courses, and the modification of ten (10) courses. The overall number of credit hours offered by the department would not change.

Education Administration, Foundations and Psychology

The department is proposing the modification of one (1) course. The overall number of credit hours offered by the department would not change.

Faculty of Education

The faculty is proposing modifications to the **Bachelor of Education**, including the **Early Years Stream**, **Middle Years Stream**, and **Senior Years Stream**, as detailed in the attachment to the Report. Through revisions to the program charts and the accompanying program notes, the modifications clarify the specific number of credit hours of Indigenous Education courses, Inclusive Education / Diversity courses, and approved Education Electives that students in each Stream must complete in order to graduate. Currently, requirements for some of these types of courses are embedded in the curriculum as prerequisites to practicum courses.

10. Faculty of Engineering

Faculty of Engineering

Proposed modifications to the Co-operative Education and Industrial Internship Programs, involving changes to the entrance requirements and the structure of the program, were considered by the Senate Committee on Instruction and Evaluation (SCIE) at its meeting on October 12, 2023. The Report of SCIE is included on the December 6, 2023, Senate agenda under item IX (4)(b).

Biosystems Engineering

The department is proposing the modification of three (3) courses. The overall number of credit hours offered by the department would not change.

Electrical and Computer Engineering

The department is proposing modifications to the programs listed below, to introduce an Entrepreneurship Focus Area (concentration) for each degree program, as detailed in the attachment to the Report. The proposed focus areas address demand from some students, who intend to start their own business or produce or sell their own products following graduation, to complete additional courses in entrepreneurship. Additionally, skills developed in the program may increase graduates' employability as engineering managers in Manitoba businesses.

- **Bachelor of Science in Engineering (Electrical)**
 - **Entrepreneurship Focus Area** (*new*)
- **Bachelor of Science in Engineering (Computer)**
 - **Entrepreneurship Focus Area** (*new*)

The Entrepreneurship Focus Area for the Electrical Engineering program will require students to complete 28 – 31 credit hours, including two required courses (7 credit hours), two electives to be chosen from a specified list (6 – 7 credit hours), three technical electives to be selected from the list of Qualified Engineering Design Electives (12 credit hours), and one additional elective from the Electrical Engineering program (3 – 5 credit hours), as detailed in the attachment to the Report.

The Entrepreneurship Focus Area for the Computer Engineering program will require students to complete 19 - 22 credit hours, including two required courses (7 credit hours), two electives to be chosen from a specified list (6 – 7 credit hours), and two additional electives from the Computer Engineering program (6-8 credit hours), as described in the attachment to the Report.

The concentrations will provide students with basic entrepreneurial skills that will assist them in their future roles as engineering leaders within existing companies or in their own engineering business. The concentrations align with the Faculty's mission, one aspect of which is to, "graduate students ready for positions of leadership for a world in which engineering is central to improving the well-being of society and the creation of new wealth that benefits society in Manitoba, Canada, and globally." The programs support the province's goal to foster entrepreneurial and innovative skills, included in *Manitoba's Skills, Talent and Knowledge Strategy*.

The concentrations will be open to any student registered in the B.Sc. in Engineering (Electrical) or B.Sc. in Engineering (Computer), respectively. Students could declare the concentration any time prior to graduation. Maximum enrolment would be defined as first-year enrolment capacity. The Faculty anticipates that enrolment in each of the concentrations will be one – three students annually.

No additional resources will be required to offer either of the concentrations, as the curriculum relies on existing courses that have sufficient capacity to accommodate the anticipated enrolments in the concentrations and existing library resources.

Two units offering courses to be used in the curriculums for the concentrations, the Department of Mechanical Engineering and the Faculty of Management, were consulted and indicated their support.

11. **Faculty of Health Sciences**

Interdisciplinary Health Program

The program is proposing the deletion of one (1) course and the modification of one (1) course. The overall number of credit hours offered by the program would not change.

The program is proposing modifications to the programs listed below, as detailed in the attachment to the Report. Modifications to the degree programs involve changes to the Bachelor of Health Sciences Program Electives List, the Bachelor of Health Studies Program Electives List, and the Health Policy, Planning and Evaluation Concentration Electives List. Modifications to the electives lists follow from course changes proposed by the program and by the Department of Anthropology, Faculty of Arts, and course changes previously made by the Faculty of Social Work (Senate, March 2, 2022).

Modifications to the Minors involve revisions to the shared electives list for the two programs, to clearly define for students, Academic Advisors, and others, which courses can be completed toward the Minors. The electives list for the Minors was not updated when unique lists of electives were established for the B.H.Sc. and B.H.St. degree programs in 2018, to replace the former Interdisciplinary Health Program Electives list that was used for both degree programs (Senate, December 6, 2017; May 16, 2018). This had resulted in a lack of clarity regarding the courses that could be completed toward requirements for “science orientation” and “social science orientation” courses, which the current proposals address.

- **Bachelor of Health Sciences**
- **Bachelor of Health Studies**
 - **Health Policy, Planning, and Evaluation Concentration**
- **Minor in Health Sciences**
- **Minor in Health Studies**

12. **Faculty of Management**

The faculty is proposing the introduction of one (1) course and the modification of one (1) course. The number of credit hours offered by the faculty would increase by 3 credit hours.

13. **Faculty of Music**

The faculty is proposing the introduction of two (2) courses and the modification of sixteen (16) courses. The overall number of credit hours offered by the faculty would increase by 6 credit hours.

The faculty is proposing the modification of the programs listed below, as detailed in the attachment to the Report. Specifically, the list of Electives: Third and Fourth Years will be revised to add several courses, including some that were recently introduced and some that have been used as electives in recent years but had not been added to the list. Revisions to this electives list apply to all programs listed below.

The Music Theory Electives list will be revised to add the proposed MUSC 3060 Popular Music Analysis and several existing courses, including MUSC 3820 Topics in Music and MUSC 3830 Topics in Music when the course topic involves music theory or analysis, and MUSC 7200 Proseminar in Music. Revisions to the Music Theory Electives list apply to the B.Mus. (Composition), B.Mus. (General), and B.Mus. (History) programs.

The requirements for the B.Mus.(Music Education), for all four of the concentrations offered, will be modified to replace requirements for Teachable Minor and Breadth Requirements courses, which are needed if a student subsequently elects to seek admission to the Bachelor of Education program, with additional requirements for Non-music electives. A program note will be added to requirements for a Mathematics Requirement course, a Written English Requirement course, and Non-music electives, to communicate that courses used to complete these requirements can also be used to fulfil the breadth or teachable minor requirements for admission to the B.Ed. program. The note will include a hyperlink to the admission requirements for the B.Ed. degree program.

The versions of the program charts for each of the four concentrations in the B.Mus. (Music Education) that indicate (With “W” or “Math” Requirement as Teachable Minor) in the heading to the chart will be removed from the Academic Calendar. The addition of the program note described in the previous paragraph and the association of the note to the Written and English course requirements makes the second version of the program charts redundant.

- **Bachelor of Music (Composition)**
- **Bachelor of Music (General)**
- **Bachelor of Music (History)**
- **Bachelor of Music (Performance)**
- **Bachelor of Music (Music Education)**
 - **Early Years Concentration**
 - **Choral Concentration**
 - **Instrumental Concentration**
 - **Guitar/Strings Concentration**
- **Bachelor of Jazz Studies**

14. **Faculty of Science**

Biological Sciences

Course and curriculum changes proposed by the department are included in the Report of the SCCCC (dated October 26, 2023), included under item IX (2) on the December 6, 2023, Senate agenda, for approval.

Computer Sciences

The department is proposing the modification of three (3) courses. There would be no change to the number of credit hours offered by the department.

Physics and Astronomy

The department is proposing the introduction of one (1) course. There number of credit hours offered by the department would increase by 3 credit hours.

Recommendation

The Senate Committee on Curriculum and Course Changes recommends that curriculum and course changes from the units listed below, be approved by Senate:

Faculty of Architecture

Faculty of Arts

Faculty of Education

Faculty of Engineering

Faculty of Health Sciences

Faculty of Management

Faculty of Music

Faculty of Science

Respectfully submitted,

Professor Dean McNeill, Chair
Senate Committee on Curriculum and Course Changes

Faculty of Architecture

Modification:

EVIE 3008 Interior Design Studio 3.1 6 cr

0.0

This studio introduces students to the interior design process with small to mid-size projects that focus on residential and commercial environments in a variety of contexts. Emphasis is placed on understanding human need, design principles and elements, and design vocabulary. Creative design exploration is also encouraged.

NET CHANGE IN CREDIT HOURS: 0.0

Faculty of Arts

Faculty of Arts

Program modifications:

Modifications to the **Bachelor of Integrated Studies** program, involving **The Changing Workplace (Concentration)** are set out on the next 2 pages.

Bachelor of Arts Integrated Studies The Changing Workplace

- Modification to the list of courses required in The Changing Workplace (Concentration).

Added Material

~~Deleted Material~~

Changing Workplace, The

Degree Requirements

Concentration Program

For entry to the Concentration, the prerequisite is a minimum grade of “C” or better in the first 6 credit hours of courses required for the Concentration. The Concentration in The Changing Workplace will consist of 18 credit hours from the following list of courses. Students must meet the departmental prerequisites for entry into any course in this list. No course can be used to satisfy more than one Concentration.

Faculty of Arts

Course	Title	Hours
Anthropology		
<u>ANTH 2500</u>	Culture, Environment, and Technology	3
Economics		
<u>ECON 1210</u>	Introduction to Canadian Economic Issues and Policies	3
Labour Studies		
<u>LABR 1260</u>	Working for a Living	3
<u>LABR 1290</u>	Introduction to the Canadian Labour Movement Labour Unions and Workers’ Rights in Canada	3
<u>LABR 2100</u>	The Political Economy of Labour	3
<u>LABR 3060</u>	Workplace Health and Safety	3
Philosophy		
<u>PHIL 2830</u>	Business Ethics	3
Sociology		

Course	Title	Hours
<u>SOC 2390</u>	Social Organization	3

Course List

NOTE: Specific course sections of ECON 2610 may satisfy the concentration requirement.
 Students should contact the Department of Economics for information.
For course descriptions, see departmental listings.

Program modifications:

Modifications to the following programs are outlined on the next 4 pages:

- **Bachelor of Arts (General Major) in Mathematics**
- **Bachelor of Arts (Single Advanced Major) in Mathematics**

Bachelor of Arts in Mathematics

- Program Modification to update footnote 1 to delete MATH 1690 in the B.A. General Major, and B.A. Single Advanced Major.

Added Material

~~Deleted Material~~

Mathematics, B.A. General

Degree Requirements

Year 1		Hours
<u>MATH 1220</u>	Linear Algebra 1 ¹	3
<u>MATH 1230</u>	Differential Calculus ¹	3
<u>MATH 1232</u>	Integral Calculus ¹	3
<u>MATH 1240</u>	Elementary Discrete Mathematics ¹	3
6 credit hours from your Minor area of study as described in that unit's section of the calendar		6
12 credit hours from outside of your Major and Minor areas of study		12
Hours		30
Years 2-3		
18 credit hours of 2000, 3000 and/or 4000 level Mathematics courses (of these a minimum of 3 credit hours must be at the 3000 or 4000 level)		18
12 credit hours from your Minor area of study as described in that unit's section of the calendar		12
18 credit hours from outside of your Major and Minor areas of study		18
12 credit hours of open electives ²		12
Refer to the information directly below this list for other important degree requirements students need to complete prior to graduation		
Hours		60
Total Hours		90

Plan of Study Grid

¹ Students are strongly advised to take MATH 1220, MATH 1230 and MATH 1232.

The following substitutions are allowed (but not advised), provided the grades indicated in brackets are achieved:

- MATH 1500 (B) or MATH 1510 (B) may be taken in place of MATH 1230;
- MATH 1210 (B) or MATH 1300 (C+) may be taken in place of MATH 1220;
- MATH 1700 (B) or MATH 1710 (B) may be taken in place of MATH 1232;
- ~~MATH 1690 (No longer offered) (C+) in place of MATH 1230 and MATH 1232.~~
- MATH 1200 may be taken in place of MATH 1240, but these courses are not equivalent, i.e., students should note that MATH 1240 is a prerequisite to some 2nd year Mathematics courses for which MATH 1200 is not a prerequisite.

² MATH 1010, MATH 1018, MATH 1020, FA 1020, MATH 1080, and MATH 1090 may not be used for credit in this program.

Mathematics, B.A. Single Advanced Major

Degree Requirements

Year 1		Hours
<u>MATH 1220</u>	Linear Algebra 1 ¹	3
<u>MATH 1230</u>	Differential Calculus ¹	3
<u>MATH 1232</u>	Integral Calculus ¹	3
<u>MATH 1240</u>	Elementary Discrete Mathematics ¹	3
6 credit hours from your Minor area of study as described in that unit's section of the calendar		6
12 credit hours from outside of your Major and Minor areas of study		12
Hours		30
Year 2		
<u>MATH 2080</u>	Introduction to Analysis	3
<u>MATH 2090</u>	Linear Algebra 2	3
<u>MATH 2150</u>	Multivariable Calculus	3
6 credit hours from your Minor area of study as described in that unit's section of the calendar		6
15 credit hours from outside of your Major and Minor areas of study		15
Hours		30
Years 3-4		
<u>MATH 2020</u>	Algebra 1	3
<u>MATH 2180</u>	Real Analysis 1	3
<u>MATH 3470</u>	Real Analysis 2	3
<u>MATH 2160</u> or <u>MATH 3440</u>	Numerical Analysis 1 or Ordinary Differential Equations	3
15 credit hours from the following of which at least 3 credit hours must be at the 3000 or 4000 level:		15
<u>MATH 2030</u>	Combinatorics 1	
<u>MATH 2040</u>	Curves and Surfaces	
<u>MATH 2070</u>	Graph Theory 1	
<u>MATH 2160</u>	Numerical Analysis 1	
<u>MATH 2170</u>	Number Theory 1	
Any 3000 or 4000 level Mathematics course		
6 credit hours from your Minor area of study as described in that unit's section of the calendar		6
15 credit hours from outside of your Major and Minor areas of study		15
12 credit hours of open electives ²		12
Refer to the information directly below this list for other important degree requirements students need to complete prior to graduation		
Hours		60
Total Hours		120
Plan of Study Grid		

¹ Students are strongly advised to take MATH 1220, MATH 1230, and MATH 1232.

The following substitutions are allowed (but not advised), provided the grades indicated in brackets are achieved:

- MATH 1500 (B) or MATH 1510 (B) may be taken in place of MATH 1230;
- MATH 1210 (B), MATH 1300 (C+) may be taken in place of MATH 1220;
- MATH 1700 (B) or MATH 1710 (B) may be taken in place of MATH 1232;
- ~~MATH 1690 (No longer offered) (C+) in place of MATH 1230 and MATH 1232.~~
- MATH 1200 may be taken in place of MATH 1240, but these courses are not equivalent, i.e., students should note that MATH 1240 is a prerequisite to some 2nd year Mathematics courses for which MATH 1200 is not a prerequisite.

² MATH 1010, MATH 1018, MATH 1020, FA 1020, MATH 1080, and MATH 1090 may not be used for credit in this program.

Option in Aging

Program modification:

Modifications to the Faculty of Arts' offering of the **Interfaculty Option in Aging** are outlined on the next 2 pages:

Interfaculty Option in Aging

- Modification to list of Approved Electives.

Added Material

~~Deleted Material~~

Program Coordinator: Heidi Marx
Program Office: 306 Fletcher Argue Bldg.
Telephone: 204-474-8117
E-mail: Heidi.Marx@umanitoba.ca

An Interfaculty Option in Aging is offered by the following faculties and colleges: Agricultural and Food Sciences, Arts, Kinesiology and Recreation Management, Medicine, Nursing, and Social Work. To complete the Concentration, Arts students will need to complete each of the following:

Course	Title	Hours
One of the following:		3
<u>FMLY 2650</u>	The Social Aspects of Aging	
or		
<u>REC 2650</u>	The Social Aspects of Aging	
or		
<u>SWRK 2650</u>	The Social Aspects of Aging	
<u>NURS 2610</u>	Health and Physical Aspects of Aging	3
or <u>KIN 2610</u>	Health and Physical Aspects of Aging	
12 credit hours from the list of approved electives		12
Total Hours		18

Approved Electives

Course	Title	Hours
English, Theatre, Film & Media		
<u>FILM 3420</u>	Film Theory	3
Nursing		
<u>NURS 2100</u>	Introduction to Family Caregiving Across the Lifespan	3
Psychology		
<u>PSYC 2360</u>	Brain and Behaviour	3
<u>PSYC 2490</u>	Abnormal Psychology	3

Course	Title	Hours
<u>PSYC 3070</u>	Adult Development	3
<u>PSYC 3350</u>	Behavioural Neuroscience	3
<u>PSYC 3490</u>	Individual Differences	3
<u>PSYC 3610</u>	Memory	3
<u>PSYC 4420</u>	Neuroimaging: Imaging Thoughts	3
<u>PSYC 4430</u>	Vision: Perception and Action	3
<u>PSYC 4566</u>	Psychology of Health and Aging	3
Religion		
<u>RLGN 1410</u>	Death and Concepts of the Future	3
Sociology and Criminology		
<u>SOC 2310</u>	Selected Social Problems (acceptable for credit only when topic is "Canadian Social Issues")	3
<u>SOC 2490</u>	Sociology of Health and Illness	3
<u>SOC 2620</u>	The Sociology of Aging	3
<u>SOC 3540</u>	The Sociology of Health Care Systems	3

Upon completion of these requirements, the Option in Aging will be recorded as a concentration on the student's official transcript. For information concerning the option, interested students are directed to faculty general offices.

Anthropology

Deletions:

ANTH 1520 Critical Cultural Anthropology	3 cr	-3.0
ANTH 3330 Sex and Sexualities	3 cr	-3.0

Modifications:

ANTH 1210 Ancient Peoples and Places	3 cr	0.0
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An introduction to biological anthropology and archaeology. Topics include: biological evolution, evolution and comparative behaviour of primates, fossil evidence for human evolution, and the emergence of human culture. Through this study, students will learn to contextualize current human biological diversity, culture, and behaviour through the lens of our past. May not be held with ANTH 1211.

ANTH 1220 Socio-Cultural Anthropology	3 cr	0.0
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The comparative study of human societies and cultures, including language, economic and political organization, family and kinship, ritual and belief systems, cultural stability and change. May not be held with ANTH 1221 or the former ANTH 1520.

ANTH 2000 Culture, Society, and Power	3 cr	0.0
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An advanced introduction to cultural anthropology that focuses on anthropological approaches to the cross-cultural organization, dynamics, and tensions of social relationships at individual, group, and societal levels. May not be held with ANTH 2001 or the former ANTH 2390 or the former ANTH 2391. Prerequisite: [ANTH 1220 or ANTH 1221 or the former ANTH 1520] or written consent of instructor.

ANTH 2040 A Socio-Cultural Survey of North American Indigenous Peoples	3 cr	0.0
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An ethnographic survey of North American Indigenous Peoples. May not be held with ANTH 2041. Prerequisite: [ANTH 1220 or ANTH 1221 or the former ANTH 1520] or written consent of instructor.

ANTH 2300 Anthropology of Childhood	3 cr	0.0
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Anthropological approaches to the study of children and childhood. Childhood is examined as a social and historical construction, and children are analyzed as active contributors to their social worlds. Cross-cultural ethnographic material relating to children and youth is critically read and discussed. Prerequisite: [ANTH 1220 or ANTH 1221 or the former ANTH 1520] or written consent of instructor.

ANTH 2370 Language and Culture	3 cr	0.0
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The investigation of the complex interaction of language and culture, including linguistic perspectives on prehistory, ethnosemantics, and sociocultural correlations of linguistic variation. May not be held with ANTH 2011. Prerequisite: [ANTH 1220 or ANTH 1221 or the former ANTH 1520] or written consent of instructor.

ANTH 2470 Anthropology of Mass Communication	3 cr	0.0
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This course focuses on media production and dissemination and on images of the world created by media. Media practices and products are addressed in relation to the formation of social relations and identities, the shaping of peoples' sense of time and space, and media's role in the construction of communities and in processes of socio-economic and cultural change.

Prerequisite: [ANTH 1220 or ANTH 1221 or the former ANTH 1520] or written consent of instructor.

ANTH 2500 Culture, Environment, and Technology 3 cr 0.0
Study of ecological systems, focusing on processes of adaptation in societies differing in organization and in views of technology. Demographic and technological changes are examined in relation to cultural, political and ideological factors. May not be held with ANTH 2430. Prerequisite: [ANTH 1220 or ANTH 1221 or the former ANTH 1520] or written consent of instructor.

ANTH 2510 Anthropology of Economic Systems 3 cr 0.0
A comparative study of factors bearing upon production, exchange, and consumption of goods, practices and ideas in varying social contexts. The course also examines the articulation of economic systems in the global political economy. Prerequisite: [ANTH 1220 or ANTH 1221 or the former ANTH 1520] or written consent of instructor.

ANTH 2530 Anthropology of Political Systems 3 cr 0.0
Analysis of political institutions and their changing nature in diverse societies and forms of society, with attention to authority, leadership, decision-making, power and its disguises, and forms of resistance. Prerequisite: [ANTH 1220 or ANTH 1221 or the former ANTH 1520] or written consent of instructor.

ANTH 2550 Culture and the Individual 3 cr 0.0
The study of the interrelations between life-cycle, psychological functioning and malfunctioning, and social and cultural institutions. Emphasis is placed on enculturation and life-cycle rituals. May not be held with ANTH 2551. Prerequisite: [ANTH 1220 or ANTH 1221 or the former ANTH 1520] or written consent of instructor.

ANTH 2560 Anthropology of Illness 3 cr 0.0
Critical examination of illness, health, and disease from a biocultural perspective. Students will learn about cross-cultural variations in how health is understood and study links between health and evolutionary and environmental factors.

ANTH 2620 Archaeology of Pre-Colonial Americas 3 cr 0.0
A survey of archaeological evidence and interpretations for peoples in the Americas prior to European contact. This course will explore the insights that are being gained through the application of an integrative approach to Indigenous Archaeology to an understanding of the cultural past of the Americas with particular focus on North America.

ANTH 2640 Manitoba Archaeology 3 cr 0.0
Archaeological evidence and interpretations for the history of what is now Manitoba up to the time of European contact.

ANTH 3200 Anthropology of Food 3 cr 0.0
Considers the diversity of ways that anthropologists have used food as a productive entry point for understanding culture, society, and relations with the environment. The course will survey highpoints in the history of the anthropology of food and address current topics such as food security and food movements. Prerequisite: [ANTH 1220 or ANTH 1221 or the former ANTH 1520] or written consent of instructor.

ANTH 3320 Women in Cross-Cultural Perspective 3 cr 0.0
Critical perspectives on the role of women cross-culturally, with ethnographic reference to non-Western societies and cultures. May not be held with ANTH 3321. Prerequisite: [ANTH 1220 or ANTH 1221 or the former ANTH 1520] or written consent of instructor.

ANTH 3500 Archaeology of Inuit Nunangat 3 cr 0.0
This course examines the history of people, animals, and places in what is now Inuit Nunangat through archaeology, ethnography, and oral histories. May not be held with ANTH 3501. Prerequisite: [ANTH 1210 or ANTH 1211 or the former ANTH 1520] or written consent of instructor.

ANTH 3750 Anthropological Perspectives on Globalization and the World-System 3 cr 0.0
An anthropological perspective on the modern world-system and the expansion of capitalism into peripheral areas of the world; the transformation of indigenous societies and cultures; the rise of ethnic conflict, protest and resistance; and a comparative examination of selected global and transnational processes. May not be held with ANTH 3751. Prerequisite: [one of: ANTH 1220, ANTH 1221, the former ANTH 1520, ANTH 2000, ANTH 2001, the former ANTH 2390, or the former ANTH 2391] or written consent of instructor.

ANTH 3810 Anthropology of Belief Systems 3 cr 0.0
A comparative study of belief systems, rituals, and ceremonies in non-Western and Western societies and cultures. May not be held with ANTH 3811. Prerequisite: [ANTH 1220 or ANTH 1221 or the former ANTH 1520] or written consent of instructor.

ANTH 3930 Ethnographic Research Methods 3 cr 0.0
A survey of critical and engaged ethnographic research methods with an emphasis on qualitative approaches. May not be held with the former ANTH 3390. Prerequisite: ANTH 2000 or written consent of instructor.

ANTH 3970 Ethnography of a Selected Region 3 cr 0.0
An ethnographic survey of a selected geographical area currently of interest to faculty and students. The areas to be studied may differ from year to year. The course content may vary. Students can earn multiple credits for this course only when the topic subtitle is different. May not be held with ANTH 3971. Prerequisite: [ANTH 1220 or ANTH 1221 or the former ANTH 1520] or written consent of instructor.

NET CHANGE IN CREDIT HOURS: - 6.0

Program modifications:

Modifications to the following programs are set out on the next 9 pages:

- **Bachelor of Arts (General Major) in Anthropology**
- **Bachelor of Arts (Single Advanced Major) in Anthropology**
- **Bachelor of Arts (Single Advanced Major) in Anthropology, Co-operative Education Option**
- **Bachelor of Arts (Double Advanced Major) in Anthropology**
- **Bachelor of Arts (Single Honours) in Anthropology**

- **Bachelor of Arts (Single Honours) in Anthropology, Co-operative Education Option**
- **Bachelor of Arts (Double Honours) in Anthropology**
- **Minor (Concentration) in Anthropology**

Department of Anthropology

- Update Year 1 degree requirements for B.A. General Major, B. A. Single Advanced Major (including Co-op), B.A. Double Advanced Major, B.A. Single Honours (including Co-op), and Minor (Concentration)

Anthropology, B.A. General Major

Degree Requirements

Year 1		Hours
<u>ANTH 1210</u>	Human Origins and Antiquity Ancient Peoples and Places	3
<u>ANTH 1220</u>	Cultural Anthropology Socio-Cultural Anthropology	3
or <u>ANTH 1520</u>	or Critical Cultural Anthropology	
6 credit hours from your Minor area of study as described in that unit's section of the calendar		6
18 credit hours from outside of your Major and Minor areas of study		18
Hours		30
Years 2-3		
<u>ANTH 2000</u>	Culture, Society, and Power	3
<u>ANTH 2100</u>	Introduction to Archaeology	3
<u>ANTH 2860</u>	Evolution and Human Diversity	3
<u>ANTH 2020</u>	Relatedness in a Globalizing World	3
or <u>ANTH 2530</u>	or Anthropology of Political Systems	
12 credit hours from ANTH courses at the 2000 level and above (of these a minimum of 6 credit hours must be at the 3000 and/or 4000 level) ^{1,2,3}		12
12 credit hours from your Minor area of study as described in that unit's section of the calendar		12
12 credit hours from outside your Major and Minor areas of study		12
12 credit hours of open electives		12
Refer to the information directly below this list for other important degree requirements students need to complete prior to graduation		
Hours		60
Total Hours		90

Anthropology, B.A. Single Advanced Major

Degree Requirements

Year 1		Hours
<u>ANTH 1210</u>	Human Origins and Antiquity Ancient Peoples and Places	3
<u>ANTH 1220</u> or <u>ANTH 1520</u>	Cultural Anthropology Socio-Cultural Anthropology or Critical Cultural Anthropology	3
6 credit hours from your Minor area of Study as described in that unit's section of the calendar.		6
18 credit hours from outside of your Major and Minor areas of study		18
Hours		30
Years 2-4		
<u>ANTH 2000</u>	Culture, Society, and Power	3
<u>ANTH 2100</u>	Introduction to Archaeology	3
<u>ANTH 2860</u>	Evolution and Human Diversity	3
<u>ANTH 3470</u>	History of Anthropology	3
<u>ANTH 4850</u>	Advanced Seminar in Anthropological Theory	3
<u>ANTH 2020</u> or <u>ANTH 2530</u>	Relatedness in a Globalizing World or Anthropology of Political Systems	3
One of the following:		3
<u>ANTH 2820</u>	Human Osteology	
<u>ANTH 2890</u>	Human Population Biology	
<u>ANTH 3720</u>	Demography of Past Populations	
<u>ANTH 3730</u>	Forensic Anthropology	
<u>ANTH 3930</u>	Ethnographic Research Methods	
<u>ANTH 3950</u>	Archaeological Laboratory Methods	
<u>ANTH 3980</u>	Botanical Analysis in Archaeology	
<u>ANTH 3990</u>	Faunal Analysis in Archaeology	

18 credit hours from ANTH courses at the 2000 level and above (of these a minimum of 9 credit hours must be at the 3000 and/or 4000 level) ^{1,2,3}	18
3 credit hours from ANTH courses at the 4000 level ¹	3
12 credit hours from your Minor area of study as described in that unit's section of the calendar.	12
24 credit hours from outside your Major and Minor areas of study.	24
12 credit hours of open electives	12
Refer to the information directly below this list for other important degree requirements students need to complete prior to graduation	
Hours	90
Total Hours	120

Plan of Study Grid

CO-OPERATIVE EDUCATION OPTION

Years 3-4	Hours
If the Co-operative Education Option is selected, time to completion will be extended by 12 months and the following three, 1 credit hour work term courses will count toward the open elective credit required in this program.	
<u>ARTS 3010</u> Arts Co-operative Option 1	1
<u>ARTS 3020</u> Arts Co-operative Option 2	1
<u>ARTS 3030</u> Arts Co-operative Option 3	1
Hours	3
Total Hours	3

Anthropology, B.A. Double Advanced Major

Degree Requirements

Year 1		Hours
<u>ANTH 1210</u>	Human Origins and Antiquity Ancient Peoples and Places	3
<u>ANTH 1220</u> or <u>ANTH 1520</u>	Cultural Anthropology Socio-Cultural Anthropology or Critical Cultural Anthropology	3
6 credit hours in the second Advanced Major subject field as described in that unit's section of the calendar		6
18 credit hours from outside of the two Advanced Major subject fields		18
Hours		30
Years 2-4		
<u>ANTH 2000</u>	Culture, Society, and Power	3
<u>ANTH 2100</u>	Introduction to Archaeology	3
<u>ANTH 2860</u>	Evolution and Human Diversity	3
<u>ANTH 3470</u>	History of Anthropology	3
<u>ANTH 4850</u>	Advanced Seminar in Anthropological Theory	3
<u>ANTH 2020</u> or <u>ANTH 2530</u>	Relatedness in a Globalizing World or Anthropology of Political Systems	3
3 credit hours from:		3
<u>ANTH 2820</u>	Human Osteology	
<u>ANTH 2890</u>	Human Population Biology	
<u>ANTH 3720</u>	Demography of Past Populations	
<u>ANTH 3730</u>	Forensic Anthropology	
<u>ANTH 3930</u>	Ethnographic Research Methods	
<u>ANTH 3950</u>	Archaeological Laboratory Methods	
<u>ANTH 3980</u>	Botanical Analysis in Archaeology	
<u>ANTH 3990</u>	Faunal Analysis in Archaeology	
3 credit hours from ANTH courses at the 4000 level ¹		3
12 credit hours from ANTH courses at the 2000 level and above (of these a minimum of 9 credit hours must be at the 3000 and/or 4000 level) ^{1,2,3}		12
36 credit hours in the second Advanced Major subject field as described in that unit's section of the calendar		36
18 credit hours from outside of the two Advanced Major subject fields		18
Refer to the information directly below this list for other important degree requirements students need to complete prior to graduation		
Hours		90
Total Hours		120

Anthropology, B.A. Single Honours

Degree Requirements

Year 1		Hours
<u>ANTH 1210</u>	Human Origins and Antiquity Ancient Peoples and Places	3
<u>ANTH 1220</u> or <u>ANTH 1520</u>	Cultural Anthropology Socio-Cultural Anthropology or Critical Cultural Anthropology	3
24 credit hours of ancillary options ⁴		24
Hours		30
Year 2		
<u>ANTH 2000</u>	Culture, Society, and Power	3
<u>ANTH 2100</u>	Introduction to Archaeology	3
<u>ANTH 2860</u>	Evolution and Human Diversity	3
<u>ANTH 2020</u> or <u>ANTH 2530</u>	Relatedness in a Globalizing World or Anthropology of Political Systems	3
6 credit hours from ANTH courses at the 2000 level and above ^{2,3}		6
6 credit hours of ancillary options ⁴		6
6 credit hours of free options ⁵		6
Hours		30
Year 3		
<u>ANTH 3470</u>	History of Anthropology	3
3 credit hours from one of the following:		3
<u>ANTH 2820</u>	Human Osteology	
<u>ANTH 2890</u>	Human Population Biology	
<u>ANTH 3720</u>	Demography of Past Populations	
<u>ANTH 3730</u>	Forensic Anthropology	
<u>ANTH 3930</u>	Ethnographic Research Methods	
<u>ANTH 3950</u>	Archaeological Laboratory Methods	
<u>ANTH 3980</u>	Botanical Analysis in Archaeology	

<u>ANTH 3990</u>	Faunal Analysis in Archaeology	
6 credit hours from ANTH courses at the 2000 level and above ^{2,3}		6
9 credit hours from ANTH courses at the 3000 level and above ¹		9
3 credit hours of ancillary options ⁴		3
6 credit hours of free options ⁵		6
Hours		30

Year 4

<u>ANTH 4850</u>	Advanced Seminar in Anthropological Theory	3
3 credit hours from ANTH courses at the 2000 level and above ^{2,3}		3
9 credit hours from ANTH courses at the 4000 level ¹		9
3 credit hours of ancillary options ⁴		3
12 credit hours of free options ⁵		12

Refer to the information directly below this list for other important degree requirements that B.A. Honours students must satisfy for graduation.

Hours		30
Total Hours		120

CO-OPERATIVE EDUCATION OPTION

Years 3-4		Hours
If the Co-operative Education Option is selected, time to completion will be extended by 12 months and the following three, 1 credit hour work term courses will count toward the free options required in this program.		
<u>ARTS 3010</u>	Arts Co-operative Option 1	1
<u>ARTS 3020</u>	Arts Co-operative Option 2	1
<u>ARTS 3030</u>	Arts Co-operative Option 3	1
Hours		3
Total Hours		3

Anthropology, B.A. Double Honours

Degree Requirements

Year 1		Hours
<u>ANTH 1210</u>	Human Origins and Antiquity Ancient Peoples and Places	3
<u>ANTH 1220</u> or <u>ANTH 1520</u>	Cultural Anthropology Socio-Cultural Anthropology or Critical Cultural Anthropology	3
6 credit hours from second Honours field as described in that unit's section of the calendar		6
6 credit hours in ancillary options ¹		6
12 credit hours of free options ²		12
Hours		30
Year 2		
<u>ANTH 2000</u>	Culture, Society, and Power	3
<u>ANTH 2100</u>	Introduction to Archaeology	3
<u>ANTH 2860</u>	Evolution and Human Diversity	3
<u>ANTH 2020</u> or <u>ANTH 2530</u>	Relatedness in a Globalizing World or Anthropology of Political Systems	3
12 credit hours in second Honours Field as described in that unit's section of the calendar		12
6 credit hours in free options ²		6
Hours		30
Year 3		
<u>ANTH 3470</u>	History of Anthropology	3
3 credit hours from one of the following:		3
<u>ANTH 2820</u>	Human Osteology	
<u>ANTH 2890</u>	Human Population Biology	
<u>ANTH 3720</u>	Demography of Past Populations	
<u>ANTH 3730</u>	Forensic Anthropology	
<u>ANTH 3930</u>	Ethnographic Research Methods	
<u>ANTH 3950</u>	Archaeological Laboratory Methods	
<u>ANTH 3980</u>	Botanical Analysis in Archaeology	
<u>ANTH 3990</u>	Faunal Analysis in Archaeology	
6 credit hours from ANTH courses at the 3000 level and above ³		6
12 credit hours in second Honours Field as described in that unit's section of the calendar		12
6 credit hours in free options ²		6
Hours		30
Year 4		
<u>ANTH 4850</u>	Advanced Seminar in Anthropological Theory	3
3 credit hours from ANTH courses at the 3000 level and above ³		3
6 credit hours from ANTH courses at the 4000 level ³		6
12 credit hours in second Honours Field as described in that unit's section of the calendar		12

6 credit hours in free options ²	6
Refer to the information directly below this list for other important degree requirements that B.A. Honours students must satisfy for graduation.	
Hours	30
Total Hours	120

Anthropology Minor (Concentration)

Minor Requirements

Year 1		Hours
<u>ANTH 1210</u>	Human Origins and Antiquity Ancient Peoples and Places	3
<u>ANTH 1220</u> or <u>ANTH 1520</u>	Cultural Anthropology Socio-Cultural Anthropology or Critical Cultural Anthropology	3
Hours		6
Years 2-3		
12 credit hours from courses at the 2000 level and above ^{1,2,3}		12
Hours		12
Total Hours		18

Canadian Studies

Program modifications:

Modifications to the programs listed below are set out on the next 6 pages:

- **Bachelor of Arts (General Major) in Canadian Studies**
- **Bachelor of Arts (Single Honours) in Canadian Studies**
- **Bachelor of Arts (Double Honours) in Canadian Studies**
- **Minor (Concentration) in Canadian Studies**

Canadian Studies

- Modification to the List of Approved Courses in the B.A. General Major, B.A. Single Honours, B.A. Double Honours, and Minor (Concentration).

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Added Material

Deleted Material

List of Approved Courses in Canadian Studies

Courses designated (USB) are offered in French at Université de Saint-Boniface.

FACULTY OF ARTS

Course	Title	Hours
Canadian Studies		
<u>CDN 1000</u>	Introduction to Canada	3
<u>CDN 3730</u>	Canadian Identity: An Interdisciplinary Approach	3
<u>CDN 4410</u>	Seminar in Canadian Studies	6
Anthropology		
<u>ANTH 2040</u>	Native North America: A Sociocultural Survey A Socio-Cultural Survey of North American Indigenous Peoples	3
<u>ANTH 2041</u>	Les Amérindiens de l'Amérique du Nord : une étude socioculturelle (USB)	3
<u>ANTH 2640</u>	Manitoba Prehistory Manitoba Archaeology	3
<u>ANTH 3461</u>	Ethnologie des Amérindiens de l'Amérique du Nord (USB)	3
<u>ANTH 3500</u>	Peoples of the Arctic Archaeology of Inuit Nunangat	3
<u>ANTH 3501</u>	Peuples de l'Arctique (USB)	3
<u>ANTH 3550</u>	Canadian Subcultures	3
<u>ANTH 3551</u>	Sous-cultures canadiennes (USB)	3
<u>ANTH 3910</u>	Archaeological Field Training	6
Economics		
<u>ECON 1210</u>	Introduction to Canadian Economic Issues and Policies	3
<u>ECON 1211</u>	Introduction aux politiques et aux problèmes économiques canadiens (USB)	3
<u>ECON 2310</u>	Canadian Economic Problems	6
<u>ECON 2311</u>	Problèmes économiques du Canada (USB)	6
<u>ECON 2350</u>	Community Economic Development	3
<u>ECON 2362</u>	Economics of Gender	3
<u>ECON 3301</u>	Histoire économique du Canada (USB)	6

Course	Title	Hours
<u>ECON 3690</u>	Economic Issues of Health Policy	3
<u>ECON 3720</u>	Urban and Regional Economics and Policies	3
English, Theatre, Film & Media		
<u>ENGL 2270</u>	Canadian Literature	6
<u>ENGL 3270</u>	Studies in Canadian Literature	3
<u>ENGL 3271</u>	Studies in Canadian Literature (USB)	3
<u>FILM 2430</u>	The Canadian Film	3
Français (USB)		
<u>FRAN 2313</u>	La littérature du Canada français et du Québec, des origines à 1945 (USB)	3
<u>FRAN 2323</u>	La littérature du Canada français et du Québec, de 1945 à nos jours (USB)	3
<u>FRAN 2333</u>	Héritage folklorique et tradition orale au Canada français (USB)	3
<u>FRAN 2343</u>	Les influences de la littérature orale au Québec et au Canada français (USB)	3
<u>FRAN 2881</u>	Civilisation canadienne-française (USB)	3
<u>FRAN 3313</u>	La littérature québécoise avant la Révolution tranquille (1945-1960) (USB)	3
<u>FRAN 3343</u>	Théories postcoloniales (USB)	3
<u>FRAN 3531</u>	Le théâtre québécois (USB)	3
<u>FRAN 3541</u>	Le théâtre de l'Ouest (USB)	3
<u>FRAN 3851</u>	Littérature de l'Ouest : poésie, nouvelles (USB)	3
<u>FRAN 3861</u>	Littérature de l'Ouest : roman (USB)	3
French, Spanish and Italian		
<u>FREN 2700</u>	Poésie et théâtre canadiens-français (B)	3
<u>FREN 3140</u>	Roman canadien-français (B)	3
<u>FREN 3850</u>	Civilisation canadienne-française (A, B, C)	3
History		
<u>HIST 1390</u>	History of Colonial Canada: 1500-1885 (C)	3
<u>HIST 1400</u>	History of the Canadian Nation since 1867 (C)	3
<u>HIST 1401</u>	Histoire du Canada, des origines à 1800 (C) (USB)	3
<u>HIST 1403</u>	Histoire du Canada, de 1800 à aujourd'hui (C) (USB)	3
<u>HIST 1440</u>	History of Canada (C)	6
<u>HIST/LABR 2200</u>	Labour History: Canada and Beyond (C)	3
<u>HIST 2010</u>	Indigenous History in Canada (C)	6
<u>HIST 2020</u>	The Métis in Canada (C)	3
<u>HIST 2282</u>	Inventing Canada (C)	3
<u>HIST 2283</u>	Histoire des francophones de l'Ouest canadien (C) (USB)	3
<u>HIST 2286</u>	Modern Canada (C)	3
<u>HIST 2288</u>	History of Social Movements in Canada (C)	3

Course	Title	Hours
<u>HIST 3031</u>	Histoire de la francophonie canadienne minoritaire (C) (USB)	3
<u>HIST 3052</u>	Canada since the 1960s (C)	3
<u>HIST 3054</u>	Canada and the United States (C)	3
<u>HIST 3097</u>	Histoire du Manitoba (C)	3
<u>HIST/LABR 3214</u>	Canada's Left: Rebellion and Repression (C)	3
<u>HIST 3250</u>	Canada and the World, 1867 to the Present (C)	6
<u>HIST 3272</u>	The Métis Nation: The Modern Era	3
<u>HIST 3442</u>	Race, Colonialism, and Migration in Canadian History (C)	3
<u>HIST 3576</u>	History of Women, Gender and Sexuality in Canada (C)	3
<u>HIST 3730</u>	A History of Western Canada (C)	6
<u>HIST 3780</u>	Studies in Canadian History 1 (C)	3
<u>HIST 3910</u>	The Ukrainians in Canada (C)	3
<u>HIST 4060</u>	Gender History in Canada (C)	6
<u>HIST 4280</u>	Topics in the Cultural History of Canada (C)	6
<u>HIST 4340</u>	Introduction to Archival Science (G)	6
<u>HIST 4680</u>	Social History of Health and Disease in Modern Canada (C)	6
<u>HIST 4890</u>	Canadian Social History (C)	6
Icelandic		
<u>ICEL 2230</u>	Icelandic-Canadian Literature	3
<u>ICEL 4440</u>	The Icelanders in Canada	3
Labour Studies		
<u>LABR/HIST 2200</u>	Labour History: Canada and Beyond (C)	3
<u>LABR/HIST 3214</u>	Canada's Left: Rebellion and Repression (C)	3
<u>LABR 3510</u>	Industrial Relations	6
Linguistics		
<u>LING 1360</u>	Languages of Canada	3
Indigenous Studies		
<u>INDG 1200</u>	Indigenous Peoples in Canada	6
<u>INDG 1220</u>	Indigenous Peoples in Canada, Part 1	3
<u>INDG 1240</u>	Indigenous Peoples in Canada, Part 2	3
<u>INDG 1250</u>	Introductory Cree 1	3
<u>INDG 1260</u>	Introductory Cree 2	3
<u>INDG 1270</u>	Introductory Anishinaabemowin (Ojibwe) 1	3
<u>INDG 1280</u>	Introductory Anishinaabemowin (Ojibwe) 2	3
<u>INDG 1300</u>	Selected Topics in Introductory Indigenous Language	3
<u>INDG 2012</u>	Indigenous History in Canada	6
<u>INDG 2020</u>	The Métis in Canada	3
<u>INDG 2040</u>	The Dakota, Lakota, and Nakota Nations	3

Course	Title	Hours
<u>INDG 2060</u>	Eastern Woodlands Encounters Columbus to Confederation	3
<u>INDG 2070</u>	Cree, Innu, and Dene Nations	3
<u>INDG 2080</u>	Inuit Society and Culture	3
<u>INDG 2220</u>	Indigenous Societies and the Political Process	3
<u>INDG 2252</u>	Intermediate Cree 1	3
<u>INDG 2254</u>	Intermediate Cree 2	3
<u>INDG 2272</u>	Intermediate Anishinaabemowin (Ojibwe) 1	3
<u>INDG 2274</u>	Intermediate Anishinaabemowin (Ojibwe) 2	3
<u>INDG 2300</u>	Cree Literature	3
<u>INDG 2410</u>	Indigenous Literature in Canada	3
<u>INDG 2420</u>	Inuit Literature in Translation	3
<u>INDG 2450</u>	Images of the "Indian" in North American Society	3
<u>INDG 3000</u>	Selected Topics	3
<u>INDG 3240</u>	Indigenous Medicine and Health	3
<u>INDG 3270</u>	The Métis Nation: The Modern Era	3
<u>INDG 3280</u>	Indigenous Peoples and the Canadian Justice System	3
<u>INDG 3300</u>	Indigenous Language Planning and Development	3
<u>INDG 3310</u>	Canadian Law and Indigenous Peoples	3
<u>INDG 3370</u>	Political Development in the North	3
<u>INDG 3380</u>	Gender and Indigenous Societies	3
<u>INDG 4200</u>	First Nations' Government	3
<u>INDG 4210</u>	Seminar in Contemporary and Historical Métis Issues	3
<u>INDG 4220</u>	Environment, Economy and Indigenous Peoples	3
<u>INDG 4230</u>	Traditional Knowledge and Indigenous Studies Research	3
<u>INDG 4240</u>	Arctic Lifestyles	3
<u>INDG 4250</u>	Indigenous Identities	3
<u>INDG 4280</u>	Missionaries, Colonialism, and Indigenous People	3
Political Studies		
<u>POLS 1502</u>	Introduction to Political Studies	3
<u>POLS 1506</u>	Survey of Political Studies	3
<u>POLS 2073</u>	Introduction à la politique canadienne 1 : État et société (USB)	3
<u>POLS 2075</u>	Introduction à la politique canadienne II : Institutions et politiques publiques (USB)	3
<u>POLS 2702</u>	Introduction to Canadian Politics	3
<u>POLS 2802</u>	Introduction to Indigenous Politics	3
<u>POLS 3100</u>	Gender and Politics in Canada	3
<u>POLS 3171</u>	La Charte canadienne des droits et libertés	3
<u>POLS 3470</u>	Canadian Public Management	3
<u>POLS 3512</u>	Canadian Foreign and Defence Policy 1	3

Course	Title	Hours
<u>POLS 3514</u>	Canadian Foreign and Defence Policy 2	3
<u>POLS 3563</u>	Le Canada dans le système mondial (USB)	3
<u>POLS 3670</u>	Canadian Political Parties	3
<u>POLS 3730</u>	Canadian Constitutional Politics	3
<u>POLS 3740</u>	Provincial Politics	3
<u>POLS 3750</u>	City Politics	3
<u>POLS 3860</u>	Canadian Federalism	3
<u>POLS 3872</u>	Indigenous Governance	3
<u>POLS 3940</u>	Canadian Public Policy	3
<u>POLS 4070</u>	Advanced Seminar: Canadian Government	3
<u>POLS 4080</u>	Advanced Seminar: Canadian Democracy	3
<u>POLS 4140</u>	Canadian Political Ideas	3
<u>POLS 4190</u>	Manitoba Politics and Government	3
<u>POLS 4560</u>	Canada and the Arctic	3
<u>POLS 4630</u>	Indigenous Political Movements and Activism	3
<u>POLS 4640</u>	Comparative Indigenous Politics	3
Religion		
<u>RLGN 2590</u>	Religion and Social Issues	3
<u>RLGN 2591</u>	La religion et les problèmes sociaux (C) (USB)	3
Slavic Studies		
<u>UKRN 2410</u>	Ukrainian Canadian Cultural Experience	3
Sociology and Criminology		
<u>SOC 2320</u>	Canadian Society and Culture	3
<u>SOC 2321</u>	La société canadienne et sa culture (USB)	3
<u>SOC 2370</u>	Ethnic Relations	3
<u>SOC 2371</u>	Rapports ethniques (USB)	3
<u>SOC 2531</u>	Sociologie du Manitoba (USB)	6
<u>SOC 2610</u>	Sociology of Criminal Justice and Corrections	3
<u>SOC 2620</u>	The Sociology of Aging	3
<u>SOC 3380</u>	Power, Politics and the Welfare State	3
<u>SOC 3471</u>	Sociologie politique (USB)	3
<u>SOC 3700</u>	Sociology of Law	3
<u>SOC 3762</u>	Law, Justice, and Indigenous Peoples	3
Ukrainian Canadian Heritage Studies		
<u>UCHS 3100</u>	The Ukrainian Arts in Canada	3
Course List		

SCHOOL OF ARTS

Course	Title	Hours
Fine Art / Art History		
<u>FAAH 3260</u>	Canadian Art and Architecture to World War 2	3

Course	Title	Hours
<u>FAAH 3270</u>	Canadian Art Since World War 2	3
<u>FAAH 3430</u>	Inuit Art	3
Course List		

CLAYTON H. RIDDELL FACULTY OF ENVIRONMENT, EARTH, AND RESOURCES

Course	Title	Hours
Geography		
<u>GEOG 2213</u>	Géographies autochtones et relations interculturelles (USB)	3
<u>GEOG 2570</u>	Geography of Canada (A)	3
<u>GEOG 2900</u>	Geography of Canadian Prairie Landscapes (A)	3
<u>GEOG 3431</u>	Géographie de Canada (A) (USB)	3
<u>GEOG 3481</u>	Particularités de la géographie du Canada (A) (USB)	3
<u>GEOG 3831</u>	L'espace francophone panaméricain (A, HS) (USB)	3
Geological Sciences		
<u>GEOL 2350</u>	Canada Rocks: The Geology of Canada	3
Course List		

English, Theatre, Film & Media

Deletions:

ENGL 2190 Special Topics 3 cr	-3.0
ENGL 2830 Literature of Africa and/or the Caribbean 3 cr	-3.0
ENGL 3800 Special Studies 3 cr	-3.0
FILM 3440 Filmmaking 3 cr	-3.0
FILM 3650 Advanced Filmmaking 3 cr	-3.0

Introductions:

ENGL 2810 Special Topics in Literature Prior to 1900 3 cr	+3.0
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The course content will vary but the majority of the material will be literature published prior to 1900. Students can earn multiple credits for this course only when the topic subtitle is different. May not be held with the former ENGL 2190 unless the topic subtitle is different. Prerequisite: [one of ENGL 1200, ENGL 1201, ENGL 1300, or ENGL 1301] or [ENGL 1400 (or the former ENGL 1310) and ENGL 1340].

ENGL 2820 Special Topics in Literature After 1900 3 cr	+3.0
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The course content will vary but the majority of the material will be literature published after 1900. Students can earn multiple credits for this course only when the topic subtitle is different. May not be held with the former ENGL 2190 unless the topic subtitle is different. Prerequisite: [one of: ENGL 1200, ENGL 1201, ENGL 1300, or ENGL 1301] or [ENGL 1400 (or the former ENGL 1310) and ENGL 1340].

ENGL 2850 Literature of the Caribbean 3 cr	+3.0
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This course focuses primarily on the poetry and fiction published by Caribbean writers after 1900. Other genres and earlier time periods may also be covered, along with the history of slavery and resistance in the Caribbean, post 1492. May not be held with the former ENGL 2830 or the former ENGL 2190 if the topic subtitle is Caribbean literature. Prerequisite: [one of ENGL 1200, ENGL 1201, ENGL 1300, or ENGL 1301] or [ENGL 1400 (or the former ENGL 1310) and ENGL 1340].

ENGL 2860 African Literature 3 cr	+3.0
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This course explores a sampling of African literature written in English through a specific lens: a focus on a particular nation or a more general thematic approach. Through readings of this literature, supplemented with theoretical works, students will study issues and themes such as the impact of colonialism, the challenges of postcolonialism, hybridity, nationalism, class, gender, sexual identity, migration, globalization, as well as the wide variety of genres employed by African authors. May not be held with the former ENGL 2830. Prerequisite: [one of ENGL 1200, ENGL 1201, ENGL 1300, or ENGL 1301] or [ENGL 1400 (or the former ENGL 1310) and ENGL 1340].

ENGL 3810 Special Studies in Literature Prior to 1900 3 cr	+3.0
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The content of this course will vary but the majority of the material will be literature published prior to 1900. Students can earn multiple credits for this course only when the topic subtitle is different. May not be held with the former ENGL 3800 unless the topic subtitle is different. Prerequisite: six hours of English at the 2000 level.

ENGL 3820 Special Studies in Literature After 1900 3 cr +3.0

The content of this course will vary but the majority of the material will be literature published after 1900. Students can earn multiple credits for this course only when the topic subtitle is different. May not be held with the former ENGL 3800 unless the topic subtitle is different.

Prerequisite: six hours of English at the 2000 level.

FILM 2440 Filmmaking 3 cr +3.0

Digital filmmaking equipment is used to understand the rudiments of cinematography, editing, lighting, and directing. Students will make at least one short film. May not be held with FILM 3270, the former FILM 3440, or either of FILM 3250 or the former FILM 3260 when titled "Filmmaking." Prerequisite: [FILM 1290 and FILM 1310 (or the former FILM 1300)] or written consent of the department head.

FILM 3660 Special Topics in Filmmaking 3 cr +3.0

This course offers an opportunity for students to pursue longer, more technically ambitious work, and/or work in various specialized genres (i.e., documentary, animation). Students can earn multiple credits for this course only when the topic subtitle is different. Prerequisite: FILM 2440 or the former FILM 3440.

Modifications:

ENGL 2550 Critical Practise 3 cr 0.0

An introduction to the critical idioms and methods for the analysis of literary texts. May not be held with the former ENGL 2800. Prerequisite: [one of ENGL 1200, ENGL 1201, ENGL 1300, or ENGL 1301] or [ENGL 1400 (or the former ENGL 1310) and ENGL 1340].

ENGL 2910 Comics 3 cr 0.0

An introduction to the analysis of comics and other graphic narrative forms. May not be held with the former ENGL 3800 when titled "Panels and Frame." Prerequisite: [one of ENGL 1200, ENGL 1201, ENGL 1300, or ENGL 1301] or [ENGL 1400 (the former ENGL 1310) and ENGL 1340].

ENGL 3030 Studies in Sixteenth-Century Literature 3 cr 0.0

The content of this course will vary from year to year. Students can earn multiple credits for this course only when the topic subtitle is different. Prerequisite: six hours of English at the 2000 level.

ENGL 3050 Studies in Old English 6 cr 0.0

The content of this course will vary from year to year. Students can earn multiple credits for this course only when the topic subtitle is different. Prerequisite: six hours of English at the 2000 level.

ENGL 3080 Studies in Medieval Literature 3 cr 0.0

The content of this course will vary from year to year. Students can earn multiple credits for this course only when the topic subtitle is different. Prerequisite: six hours of English at the 2000 level.

- ENGL 3090 Studies in Seventeenth-Century Literature 3 cr 0.0
The content of this course will vary from year to year. Students can earn multiple credits for this course only when the topic subtitle is different. Prerequisite: six hours of English at the 2000 level.
- ENGL 3120 Studies in Restoration and Eighteenth-Century Literature 3 cr 0.0
The content of this course will vary from year to year. Students can earn multiple credits for this course only when the topic subtitle is different. Prerequisite: six hours of English at the 2000 level.
- ENGL 3130 Studies in the Romantics 3 cr 0.0
The content of this course will vary from year to year. Students can earn multiple credits for this course only when the topic subtitle is different. Prerequisite: six hours of English at the 2000 level.
- ENGL 3140 Studies in the Victorians 3 cr 0.0
The content of this course will vary from year to year. Students can earn multiple credits for this course only when the topic subtitle is different. May not be held with ENGL 3141. Prerequisite: six hours of English at the 2000 level.
- ENGL 3170 Studies in American Literature 3 cr 0.0
The content of this course will vary from year to year. Students can earn multiple credits for this course only when the topic subtitle is different. Prerequisite: six hours of English at the 2000 level.
- ENGL 3180 Studies in Renaissance Literature 3 cr 0.0
The content of this course will vary from year to year. Students can earn multiple credits for this course only when the topic subtitle is different. Prerequisite: six hours of English at the 2000 level.
- ENGL 3190 Studies in Special Topics 6 cr 0.0
The content of this course will vary from year to year. Students can earn multiple credits for this course only when the topic subtitle is different. Prerequisite: six hours of English at the 2000 level.
- ENGL 3550 Studies in British Literature since 1900 3 cr 0.0
The content of this course will vary from year to year. Students can earn multiple credits for this course only when the topic subtitle is different. Prerequisite: six hours of English at the 2000 level.
- ENGL 3620 Special Topics in Print Culture and Book History 3 cr 0.0
Content of this course will vary from year to year and from section to section. However, all courses under this designation will be primarily (but not exclusively) focused on the conditions of dissemination and/or reception of the works being discussed and on their material form. Students can earn multiple credits for this course only when the topic subtitle is different. Prerequisite: six hours of English at or above the 2000 level.
- ENGL 3630 Studies in Critical Theory 3 cr 0.0
The content of this course will vary from year to year. Students can earn multiple credits for this course only when the topic subtitle is different. Prerequisite: six hours of English at the 2000 level.

- ENGL 3670 Studies in the Novel 6 cr 0.0
The content of this course will vary from year to year. Students can earn multiple credits for this course only when the topic subtitle is different. May not be held with ENGL 3671. Prerequisite: six hours of English at the 2000 level.
- ENGL 3890 Studies in Writing and Gender 3 cr 0.0
The content of this course will vary from year to year. Students can earn multiple credits for this course only when the topic subtitle is different. Prerequisite: six hours of English at the 2000 level.
- ENGL 3910 Special Topics in Comics 3 cr 0.0
This course focuses on a special topic in the study of comics and/or other graphic narrative forms. The course content may vary. Students can earn multiple credits for this course only when the topic subtitle is different. Prerequisite: six hours of English at the 2000 level.
- ENGL 3920 Special Topics in Science Fiction and Fantasy 3 cr 0.0
This course focuses on a topic in science fiction, fantasy, speculative fiction, folk and fairy tales, horror, and/or the new weird. The course content may vary. Students can earn multiple credits for this course only when the topic subtitle is different. Prerequisite: six hours of English at the 2000 level.
- ENGL 3940 Special Topics in Travel Writing 3 cr 0.0
This course focuses on the genre of travel writing within a particular geographical and/or historical context. The course content may vary. Students can earn multiple credits for this course only when the topic subtitle is different. Prerequisite: six hours of English at the 2000 level.
- ENGL 3960 Special Topics in Drama 3 cr 0.0
The content of this course will vary from year to year. Students can earn multiple credits for this course only when the topic subtitle is different. May not be held with ENGL 3961. Prerequisite: six hours of English at the 2000 level.
- ENGL 3970 Special Topics in Poetry 3 cr 0.0
The content of this course will vary from year to year. Students can earn multiple credits for this course only when the topic subtitle is different. Prerequisite: six hours of English at the 2000 level.
- ENGL 3980 Studies in Modernism 3 cr 0.0
The content of this course will vary from year to year. Students can earn multiple credits for this course only when the topic subtitle is different. Prerequisite: six hours of English at the 2000 level.
- ENGL 3990 Studies in Post-Modernism 3 cr 0.0
The content of this course will vary from year to year. Students can earn multiple credits for this course only when the topic subtitle is different. Prerequisite: six hours of English at the 2000 level.
- FILM 1310 Film History 3 cr 0.0
In this course students will examine films from more than one period in film history, exploring the relationships among and between films in terms of genre, style, theme, structure, and other aesthetic elements. Students will study films selected from various periods of world cinema,

taking into consideration how and in what ways films bear the traces of their time and place, or are affiliated with relevant movements in art, history, or society, or have been shaped by technical and artistic developments in the art of film. May not be held with the former FILM 1300. Prerequisite: FILM 1290 or written consent of the Department Head.

FILM 2300 The Popular Film 3 cr 0.0
Current trends in film as a form of culture. Emphasis on recently released films as mirrors of existing social myths and values. Prerequisites: [FILM 1290 and FILM 1310 (or the former FILM 1300)] or written consent of the Department Head.

FILM 2330 Film and Contemporary Thought 3 cr 0.0
Recent films viewed in the light of current intellectual developments. Screenings are complemented by readings in contemporary political theory, philosophy, art, psychology, critical theory, etc. Prerequisites: [FILM 1290 and FILM 1310 (or the former FILM 1300)] or written consent of the Department Head.

FILM 2380 The International Cinema 1 3 cr 0.0
An examination of major works of international cinema, focusing upon the contributions of individual countries, or relevant global issues. The course content may vary. Students can earn multiple credits for this course only when the topic subtitle is different. Prerequisites: [FILM 1290 and FILM 1310 (or the former FILM 1300)] or written consent of the Department Head.

FILM 2400 The American Film to 1950 3 cr 0.0
The aesthetic development of the American Film from the early days until the beginning of television. Prerequisites: [FILM 1290 and FILM 1310 (or the former FILM 1300)] or written consent of the Department Head.

FILM 2410 The American Film from 1950 3 cr 0.0
An examination of the Hollywood film from the decline of the studio system. Prerequisites: [FILM 1290 and FILM 1310 (or the former FILM 1300)] or written consent of the Department Head.

FILM 2460 Film Genres 3 cr 0.0
An examination of a major cinematic genre (e.g., the gangster film, the western, the musical) with emphasis upon the permanence and evolution of generic conventions and the ability of filmmakers to register personal visions within these conventions. The course content may vary. Students can earn multiple credits for this course only when the topic subtitle is different. Prerequisites: [FILM 1290 and FILM 1310 (or the former FILM 1300)] or written consent of the Department Head.

FILM 3250 Special Topics in Film 3 cr 0.0
An intensive examination of selected topics in film. Students can earn multiple credits for this course only when the topic subtitle is different. May not be held with the former FILM 3440. Prerequisites: [FILM 1290 and FILM 1310 (or the former FILM 1300)] or written consent of the Department Head.

FILM 3270 Special Topics in Film 6 cr 0.0
An intensive examination of selected topics in film including creative filmmaking projects. Students can earn multiple credits for this course only when the topic subtitle is different. May not be held with the former FILM 3440. Prerequisites: [FILM 1290 and FILM 1310 (or the former FILM 1300)] and written consent of Department Head.

FILM 3400 The Director's Cinema 3 cr 0.0
An intensive critical look at the career of one or two major filmmakers. The course content may vary. Students can earn multiple credits for this course only when the topic subtitle is different. Prerequisites: [FILM 1290 and FILM 1310 (or the former FILM 1300)] or written consent of Department Head.

FILM 3420 Film Theory 3 cr 0.0
A survey of Film Theory from its beginnings to the present: Eisenstein to André Bazin to Christian Metz and others (film theories, not reviewers). Prerequisites: [FILM 1290 and FILM 1310 (or the former FILM 1300)] or written consent of the Department Head.

FILM 3430 Screenwriting 3 cr 0.0
An introduction to the techniques and procedures of screenwriting. Students will be expected to complete a screenplay. May not be held with FILM 3250 or FILM 3270 when titled "Screenwriting." Prerequisites: [FILM 1290 and FILM 1310 (or the former FILM 1300)] or written consent of the Department Head.

FILM 3450 The Animated Film 3 cr 0.0
The art of animation from early cell and puppet films to computer animation and current experimentation. Special attention is given to the "Golden Age of Animation" and to Canada's continuing contribution. Prerequisites: [FILM 1290 and FILM 1310 (or the former FILM 1300)] or written consent of the Department Head.

FILM 3460 Acting for the Camera 3 cr 0.0
This course is a practical exploration of the acting techniques appropriate for work in film and television. Each student will be required to perform a significant number of scene bits and a few full scenes on video camera. Students will develop skills connected with directing actors in film; intensive preparatory scene analysis, storyboarding, and camera operation during performance. May not be held with FILM 3250 or FILM 3270 when titled "Acting for the Camera." Prerequisites: [FILM 1290 and FILM 1310 (or the former FILM 1300)] or written consent of the Department Head.

NET CHANGE IN CREDIT HOURS: +9.0

Program modifications:

Modifications to the programs listed below are set out on the next 4 pages:

- **Bachelor of Arts (General Major) in English**
- **Bachelor of Arts (Single Advanced Major) in English**
- **Bachelor of Arts (Double Advanced Major) in English**
- **Bachelor of Arts (Single Honours) in English**
- **Bachelor of Arts (Double Honours) in English**
- **Minor (Concentration) in English**

Department of English, Theatre, Film & Media

- ETFM proposes the modification of the Literature Prior to 1900 list used by students in the B.A. General Major, B.A Singled Advanced Major, B.A. Double Advanced Major, B.A Single Honours, B.A Double Honours, and Minor (Concentration) programs.
- Modifications to the Literature After 1900 list in the B.A. Single Honours Program
- Removal of the W requirement from the 3000 and 4000 level courses

Added Material

~~Deleted Material~~

Literature Prior to 1900

Course	Title	Hours
<u>ENGL 2070</u>	Literature of the Sixteenth Century	6
<u>ENGL 2080</u>	Medieval Literature	6
<u>ENGL 2090</u>	Literature of the Seventeenth Century	6
<u>ENGL 2120</u>	Literature of the Restoration and Eighteenth Century	6
<u>ENGL 2130</u>	Literature of the Romantic Period	6
<u>ENGL 2140</u>	Literature of the Victorian Period	6
<u>ENGL 2170</u>	American Literature to 1900	6
<u>ENGL 2190</u>	Special Topics⁺	3
<u>ENGL 2620</u>	Introduction to Print Culture and Book History	3
<u>ENGL 2810</u>	Special Topics in Literature Prior to 1900	3
<u>ENGL 3000</u>	Chaucer	6
<u>ENGL 3010</u>	Shakespeare	6
<u>ENGL 3030</u>	Studies in Sixteenth-Century Literature	3
<u>ENGL 3050</u>	Studies in Old English	6
<u>ENGL 3080</u>	Studies in Medieval Literature	3
<u>ENGL 3090</u>	Studies in Seventeenth-Century Literature	3
<u>ENGL 3120</u>	Studies in Restoration and Eighteenth-Century Literature	3
<u>ENGL 3130</u>	Studies in the Romantics	3
<u>ENGL 3140</u>	Studies in the Victorians	3

Course	Title	Hours
<u>ENGL 3180</u>	Studies in Renaissance Literature	3
<u>ENGL 3190</u>	Studies in Special Topics ¹	6
<u>ENGL 3620</u>	Special Topics in Print Culture and Book History	3
<u>ENGL 3800</u>	Special Studies ¹	3
<u>ENGL 3810</u>	Special Studies in Literature Prior to 1900	3

Course List

¹ When the topic relates to Literature prior to 1900

English, B.A. Single Honours

Degree Requirements^{1,2,3}

Year 1		Hours
One of the following:		6
<u>ENGL 1200</u>	Representative Literary Works	
or		
<u>ENGL 1300</u>	Literature since 1900	
or both of:		
<u>ENGL 1400</u> & <u>ENGL 1340</u>	Thematic Approaches to the Study of Literature and Introduction to Literary Analysis	
24 credit hours of ancillary options ⁴		24
Hours		30
Years 2-4		
<u>ENGL 2650</u>	Introduction to Critical Theory ⁵	3
3 credit hours from the following:		3
<u>ENGL 2550</u>	Critical Practise	
<u>ENGL 2620</u>	Introduction to Print Culture and Book History	
<u>ENGL 3620</u>	Special Topics in Print Culture and Book History	
<u>ENGL 3630</u>	Studies in Critical Theory	
<u>FILM 2330</u>	Film and Contemporary Thought	
<u>FILM 3420</u>	Film Theory	
<u>THTR 3460</u>	Theory of Drama and Performance	
9 credit hours in ENGL at or above the 2000 level ³		9
12 credit hours of ENGL from the Literature prior to 1900 list ²		12
12 credit hours of literature prior to the Romantic Period selected from:		12
<u>ENGL 2070</u>	Literature of the Sixteenth Century	
<u>ENGL 2080</u>	Medieval Literature	
<u>ENGL 2090</u>	Literature of the Seventeenth Century	

<u>ENGL 2120</u>	Literature of the Restoration and Eighteenth Century	
<u>ENGL 3000</u>	Chaucer	
<u>ENGL 3010</u>	Shakespeare	
<u>ENGL 3030</u>	Studies in Sixteenth-Century Literature	
<u>ENGL 3050</u>	Studies in Old English	
<u>ENGL 3080</u>	Studies in Medieval Literature	
<u>ENGL 3090</u>	Studies in Seventeenth-Century Literature	
<u>ENGL 3120</u>	Studies in Restoration and Eighteenth-Century Literature	
<u>ENGL 3180</u>	Studies in Renaissance Literature ⁶	
12 credit hours in other literature after 1900, selected from:		12
<u>ENGL 2160</u>	British Literature since 1900	
<u>ENGL 2180</u>	American Literature since 1900	
<u>ENGL 2830</u>	Literature of Africa and/or the Caribbean	-
ENGL 2850	Literature of the Caribbean	
ENGL 2860	African Literature	
<u>ENGL 3980</u>	Studies in Modernism	
<u>ENGL 3990</u>	Studies in Post-Modernism ⁶	
6 credit hours in Canadian Literature from:		6
<u>ENGL 2270</u>	Canadian Literature	
<u>ENGL 3270</u>	Studies in Canadian Literature ⁶	
Of the ENGL courses listed above, a minimum of 9 credit hours must be at or above the 3000 level.		
9 credit hours of 4000 level ENGL		9
24 credit hours in free options ⁷		24
Refer to the information directly below this list for other important degree requirements that B.A. Honours students must satisfy for graduation.		
Hours		90
Total Hours		120

German and Slavic Studies

Modifications:

GRMN 2140 Exploring German Literature (B) 3 cr 0.0

Language of instruction: German. In this intermediate course, we will read and discuss a number of works belonging to different literary genres by major German-speaking authors, such as Kafka, Mann, Brecht, Böll, Grass, Jelinek, Wolf, and others. Activities and assignments in this course will focus on the development of reading competency in different literary genres, the expansion of students' German vocabulary, and the development of German written and oral expression. Prerequisite: one of GRMN 2104, GRMN 2105, the former GRMN 2100, or the former GRMN 2101. Students with advanced German language skills who receive an exemption from completing GRMN 2104 or the former GRMN 2100 may also register in this course.

GRMN 2480 Special Topics in German (B) 3 cr 0.0

Language of instruction: German. Topics dealing with German literature and culture. Course content will vary from year to year depending on the interests and needs of students and staff. Students can earn multiple credits for this course only when the topic subtitle is different. Prerequisite: one of GRMN 2104, GRMN 2105, the former GRMN 2100, or the former GRMN 2101. Students with advanced German language skills who receive an exemption from completing GRMN 2104 or the former GRMN 2100 may also register in this course.

GRMN 3230 Applied German for the Workplace (A) 3 cr 0.0

This course presents an introduction to the language typically used in business and professional settings in German-speaking countries and helps students develop a better understanding of the German corporate culture. Students will practice reading, writing, listening, and speaking on topics relevant to the German-language business environment, expanding specific vocabulary and reviewing some grammar points to further accuracy and fluency, with the goal of gaining proficiency in a professional German surrounding. May not be held with GRMN 3211. Prerequisite: one of GRMN 2104, GRMN 2105, the former GRMN 2100, or the former GRMN 2101. Students with advanced German language skills who receive an exemption from completing GRMN 2104 or the former GRMN 2100 may also register in this course.

NET CHANGE IN CREDIT HOURS: 0.0

Global Political Economy

Program modifications:

Modifications to the programs listed below are set out on the next 9 pages:

- **Bachelor of Arts (General Major) in Global Political Economy**
- **Bachelor of Arts (Single Advanced Major) in Global Political Economy**
- **Bachelor of Arts (Single Honours) in Global Political Economy**

Global Political Economy

- Remove ANTH 1520 from footnote 1 for B.A. General Major, B.A. Single Advanced Major, B.A Single Honours.

Added Material

Deleted Material

Global Political Economy, B.A. General

Year 1	Hours
6 credit hours from the following:	6
<u>HIST 1370</u> Modern World History: 1500-1800 (M)	
<u>HIST 1380</u> Modern World History: 1800-Present (M)	
<u>HIST 2730</u> Modern World History, 1914-1945: The 30 Years' Crisis (M)	
<u>HIST 2732</u> Modern World History, 1945-1992: The Age of Three Worlds (M)	
<u>HIST 2734</u> Modern World History, 1980-Present: New World Order? (M)	
One of the following sets of Introductory Economics courses:	6
Both:	
<u>ECON 1010</u> Introduction to Microeconomic Principles & <u>ECON 1020</u> and Introduction to Macroeconomic Principles	
or both:	
<u>ECON 1210</u> Introduction to Canadian Economic Issues and Policies & <u>ECON 1220</u> and Introduction to Global and Environmental Economic Issues and Policies	
<u>GPE/GEOG 1700</u> Social Justice in the 21st Century: Global Political Economy and Environmental Change	3
15 credit hours of open electives ^{1,2,3}	15
Hours	30
Year 2	
<u>ANTH 2000</u> Culture, Society, and Power ²	3
<u>ECON 2540</u> Political Economy 1: Production and Distribution	3
<u>ECON 2550</u> Political Economy 2: Economic Growth and Fluctuations in a Global Economic Environment	3

<u>GPE 2700</u>	Perspectives on Global Political Economy	3
One of the following:		6
Both:		
<u>SOC 2292</u> & <u>SOC 2294</u>	Understanding Social Research and Understanding Social Statistics ³	
or both:		
<u>ANTH 3930</u> & <u>STAT 1000</u>	Ethnographic Research Methods and Basic Statistical Analysis 1	
12 credit hours of open electives ^{1,4}		12
Hours		30
Year 3		
One of the following:		3
<u>ANTH 3320</u>	Women in Cross-Cultural Perspective ²	
<u>SOC 3350</u>	Feminism and Sociological Theory ³	
<u>SOC 3810</u>	Sociological Perspectives on Gender and Sexuality ³	
<u>GPE 3700</u>	A Survey of Global Political Economy	3
<u>POLS 3250</u>	International Political Economy ⁴	3
or <u>ANTH 3750</u> or Anthropological Perspectives on Globalization and the World-System		
<u>POLS 3270</u>	Theories of the Capitalist World Order ⁴	3
One of the following: ³		3
<u>SOC 3380</u>	Power, Politics and the Welfare State	
<u>SOC 3838</u>	Ecology and Society	
<u>SOC 3840</u>	Community and Social Reconstruction	
<u>SOC 3890</u>	Power and Inequality in Comparative Perspective	
15 credit hours of open electives ¹		15
Refer to the information directly below this list for other important degree requirements students need to complete prior to graduation		
Hours		30
Total Hours		90

Plan of Study Grid

Students in the General Major are very strongly advised to include in their elective courses a minimum of 6 credit hours from the following list (if not already taken in the core requirements): ANTH 2530, ANTH 3750, ECON 2630, HIST 1370, HIST 1380, HIST 2670, HIST 2680, HIST 2730, HIST 2732, HIST 2734, POLS 2502, POLS 2602, POLS 3250, POLS 3810, SOC 3380, SOC 3838, SOC 3840, SOC 3890.

Students are advised to take ANTH 1220 ~~or~~ ANTH 1520 as an elective in Year 1 as it is the prerequisite for some upper level Anthropology courses. Otherwise, students will require written consent from the Anthropology Department Head prior to registration.

Students are advised to take SOC 1000 as an elective in Year 1 as it is the prerequisite for upper level Sociology courses. Otherwise, students will require written consent from the Sociology and Criminology Department Head prior to registration.

Students are advised to take POLS 2502 as an elective in Year 2 as it is the prerequisite for upper level Political Studies courses. Otherwise, students will require written consent from the Political Studies Department Head prior to registration.

Global Political Economy, B.A. Single Advanced Major

Year 1		Hours
6 credit hours from the following:		6
<u>HIST 1370</u>	Modern World History: 1500-1800 (M)	
<u>HIST 1380</u>	Modern World History: 1800-Present (M)	
<u>HIST 2730</u>	Modern World History, 1914-1945: The 30 Years' Crisis (M)	
<u>HIST 2732</u>	Modern World History, 1945-1992: The Age of Three Worlds (M)	
<u>HIST 2734</u>	Modern World History, 1980-Present: New World Order? (M)	
One of the following pairs of Introductory Economics courses:		6
<u>ECON 1010</u> & <u>ECON 1020</u>	Introduction to Microeconomic Principles and Introduction to Macroeconomic Principles	
or both:		
<u>ECON 1210</u> & <u>ECON 1220</u>	Introduction to Canadian Economic Issues and Policies and Introduction to Global and Environmental Economic Issues and Policies	
<u>GPE/GEOG 1700</u>	Social Justice in the 21st Century: Global Political Economy and Environmental Change	3
<u>POLS 2602</u>	Introduction to Comparative Politics	3
12 credit hours of open electives ^{1,2}		12
Hours		30
Year 2		
<u>ANTH 2000</u>	Culture, Society, and Power ¹	3
<u>ECON 2540</u>	Political Economy 1: Production and Distribution	3
<u>ECON 2550</u>	Political Economy 2: Economic Growth and Fluctuations in a Global Economic Environment	3
<u>GPE 2700</u>	Perspectives on Global Political Economy	3
One of the following pairs of courses: ²		6
Both:		
<u>SOC 2292</u> & <u>SOC 2294</u>	Understanding Social Research and Understanding Social Statistics	

or both:		
<u>ANTH 3930</u>	Ethnographic Research Methods	
& <u>STAT 1000</u>	and Basic Statistical Analysis 1	
3 credit hours from List A		3
9 credit hours of open electives ^{1,2,3}		9
Hours		30
Year 3		
3 credit hours from:		3
<u>ANTH 3320</u>	Women in Cross-Cultural Perspective ¹	
<u>SOC 3350</u>	Feminism and Sociological Theory ²	
<u>SOC 3810</u>	Sociological Perspectives on Gender and Sexuality ²	
<u>GPE 3700</u>	A Survey of Global Political Economy	3
<u>POLS 3250</u>	International Political Economy ³	3
or <u>ANTH 3750</u> or Anthropological Perspectives on Globalization and the World-System		
<u>POLS 3270</u>	Theories of the Capitalist World Order ³	3
One of the following: ²		3
<u>SOC 3380</u>	Power, Politics and the Welfare State	
<u>SOC 3838</u>	Ecology and Society	
<u>SOC 3840</u>	Community and Social Reconstruction	
<u>SOC 3890</u>	Power and Inequality in Comparative Perspective	
3 credit hours from List A		3
12 credit hours of open electives		12
Hours		30
Year 4		
<u>GPE 4700</u>	Studies in Global Political Economy	6
3 credit hours from List A		3
21 credit hours of open electives		21

Refer to the information directly below this list for other important degree requirements students need to complete prior to graduation

Hours	30
Total Hours	120

Plan of Study Grid

¹ Students are advised to take ANTH 1220 or ~~ANTH 1520~~ as an elective in Year 1 as it is the prerequisite for some upper level Anthropology courses. Otherwise, students will require written consent from the Anthropology Department Head prior to registration.

² Students are advised to take SOC 1000 as an elective in Year 1 as it is the prerequisite for upper level Sociology courses. Otherwise, students will require written consent from the Sociology and Criminology Department Head prior to registration.

³ Students are advised to take POLS 2502 as an elective in Year 2 as it is the prerequisite for upper level Political Studies courses. Otherwise, students will require written consent from the Political Studies Department Head prior to registration.

Global Political Economy, B.A. Single Honours

Year 1		Hours
6 credit hours from the following:		6
<u>HIST 1370</u>	Modern World History: 1500-1800 (M)	
<u>HIST 1380</u>	Modern World History: 1800-Present (M)	
<u>HIST 2730</u>	Modern World History, 1914-1945: The 30 Years' Crisis (M)	
<u>HIST 2732</u>	Modern World History, 1945-1992: The Age of Three Worlds (M)	
<u>HIST 2734</u>	Modern World History, 1980-Present: New World Order? (M)	
Select one of the following pairs of Introductory Economics courses:		6
<u>ECON 1010</u> & <u>ECON 1020</u>	Introduction to Microeconomic Principles and Introduction to Macroeconomic Principles	
or both of:		
<u>ECON 1210</u> & <u>ECON 1220</u>	Introduction to Canadian Economic Issues and Policies and Introduction to Global and Environmental Economic Issues and Policies	
<u>GPE/GEOG 1700</u>	Social Justice in the 21st Century: Global Political Economy and Environmental Change	3
<u>POLS 2602</u>	Introduction to Comparative Politics	3
12 credit hours of open electives ^{1,2}		12
Hours		30
Year 2		
<u>ANTH 2000</u>	Culture, Society, and Power ¹	3
<u>ECON 2540</u>	Political Economy 1: Production and Distribution	3
<u>ECON 2550</u>	Political Economy 2: Economic Growth and Fluctuations in a Global Economic Environment	3
<u>GPE 2700</u>	Perspectives on Global Political Economy	3
Select one of the following pairs of courses: ²		6
Both of:		
<u>SOC 2292</u> & <u>SOC 2294</u>	Understanding Social Research and Understanding Social Statistics	

or both of:		
<u>ANTH 3930</u> & <u>STAT 1000</u>	Ethnographic Research Methods and Basic Statistical Analysis 1	
3 credit hours from List A		3
9 credit hours of open electives ^{1,2,3}		9
Hours		30
Year 3		
Select one of the following:		3
<u>ANTH 3320</u>	Women in Cross-Cultural Perspective	
<u>SOC 3350</u>	Feminism and Sociological Theory ²	
<u>SOC 3810</u>	Sociological Perspectives on Gender and Sexuality ²	
<u>GPE 3700</u>	A Survey of Global Political Economy	3
<u>POLS 3250</u>	International Political Economy	3
or <u>ANTH 3750</u>	or Anthropological Perspectives on Globalization and the World-System	
<u>POLS 3270</u>	Theories of the Capitalist World Order	3
Select one of the following:		3
<u>SOC 3380</u>	Power, Politics and the Welfare State	
<u>SOC 3838</u>	Ecology and Society	
<u>SOC 3840</u>	Community and Social Reconstruction	
<u>SOC 3890</u>	Power and Inequality in Comparative Perspective	
3 credit hours from List A		3
12 credit hours of open electives		12
Hours		30
Year 4		
<u>GPE 4700</u>	Studies in Global Political Economy	6
9 credit hours of 4000 level credit from the following subject fields: GPE, ECON, POLS, HIST, ANTH, SOC, or courses from other departments with permission of the Program Coordinator.		9
3 credit hours from List A		3

12 credit hours of open electives	12
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Refer to the information directly below this list for other important degree requirements students need to complete prior to graduation

Hours	30
Total Hours	120

Plan of Study Grid

- ¹ Students are advised to take ANTH 1220 ~~or ANTH 1520~~ as an elective in Year 1 as it is the prerequisite for some upper level Anthropology courses. Otherwise, students will require written consent from the Anthropology Department Head prior to registration.
- ² Students are advised to take SOC 1000 as an elective in Year 1 as it is the prerequisite for upper level Sociology courses.
- ³ Students are advised to take POLS 2502 as an elective in Year 2 as it is the prerequisite for upper level Political Studies courses. Otherwise, students will require written consent from the Political Studies Department Head prior to registration.

History

Deletion:

HIST 2502 The Modern Middle East: A Critical Survey (R) 6 cr

-6.0

NET CHANGE IN CREDIT HOURS: -6.0

Labour Studies

Modification:

LABR 1290 Labour Unions and Workers' Rights in Canada 3 cr

0.0

An introduction to the development of the contemporary working-class movement in Canada and to workplace issues today.

NET CHANGE IN CREDIT HOURS: 0.0

Program modifications:

Modifications to the following programs are set out on the next 7 pages:

- **Bachelor of Arts (General Major) in Labour Studies**
- **Bachelor of Arts (Single Advanced Major) in Labour Studies**
- **Bachelor of Arts (Single Advanced Major) in Labour Studies, Co-operative Education Option**
- **Minor (Concentration) in Labour Studies**

Labour Studies

Updates to the list of electives in the B.A. General Major and B.A. Single Advanced Major (including co-op), Minor (Concentration).

Updates to the list of electives in the BA General Major and Single Advanced Major (incl. Coop).

Added Material

~~Deleted Material~~

Labour Studies, B.A. General

Degree Requirements

Year 1		Hours
<u>LABR 1260</u>	Working for a Living	3
<u>LABR 1290</u>	Introduction to the Canadian Labour Movement	3
Labour Unions and Workers' Rights in Canada		
6 credit hours from your Minor area of study as described in that unit's section of the calendar		6
18 credit hours from outside of your Major and Minor areas of study		18
Hours		30
Years 2-3		
<u>LABR 2100</u>	The Political Economy of Labour	3
<u>LABR 2300</u>	Workers, Employers and the State	3
6 credit hours of LABR courses at the 2000 or 3000 level		6
6 credit hours of LABR courses at the 3000 level		6
6 credit hours from LABR courses and/or the list of electives below		6
12 credit hours from your Minor area of study as described in that unit's section of the calendar		12
12 credit hours from outside of your Major and Minor areas of study		12
12 credit hours of open electives		12
Refer to the information directly below this list for other important degree requirements students need to complete prior to graduation		

Hours	60
Total Hours	90

Labour Studies, B.A. Single Advanced Major

Degree Requirements

(including Co-operative option if selected)

Year 1	Hours
<u>LABR 1260</u> Working for a Living	3
<u>LABR 1290</u> Introduction to the Canadian Labour Movement Labour Unions and Workers' Rights in Canada	3
6 credit hours from your Minor area of study as described in that unit's section of the calendar	6
18 credit hours from outside of your Major and Minor areas of study	18
Hours	30
Years 2-4	
<u>LABR 2100</u> The Political Economy of Labour	3
<u>LABR 2300</u> Workers, Employers and the State	3
12 credit hours of LABR courses at the 2000, 3000 or 4000 level	12
6 credit hours of LABR courses at the 3000 level	6
18 credit hours from LABR courses and/or the list of electives below	18
12 credit hours from your Minor area of study as described in that unit's section of the calendar	12
24 credit hours from outside your Major and Minor areas of study	24
12 credit hours of open electives	12
Refer to the information directly below this list for other important degree requirements students need to complete prior to graduation	
Hours	90
Total Hours	120

CO-OPERATIVE EDUCATION OPTION

Years 3-4		Hours
If the Co-operative Education Option is selected, time to completion will be extended by 12 months and the following three, 1 credit hour work term courses will replace three credit hours of elective credit in years 2-4		
<u>ARTS 3010</u>	Arts Co-operative Option 1	1
<u>ARTS 3020</u>	Arts Co-operative Option 2	1
<u>ARTS 3030</u>	Arts Co-operative Option 3	1
Hours		3
Total Hours		3

Labour Studies Minor (Concentration)

Minor Requirements

Year 1		Hours
<u>LABR 1260</u>	Working for a Living	3
<u>LABR 1290</u>	Introduction to the Canadian Labour Movement Labour Unions and Workers' Rights in Canada	3
Hours		6
Years 2-3		
<u>LABR 2100</u>	The Political Economy of Labour	3
<u>LABR 2300</u>	Workers, Employers and the State	3
6 credit hours of LABR courses at the 2000 or 3000 level		6
Hours		12
Total Hours		18

List of Electives

The following courses may be selected to fulfill the requirements for a degree in Labour Studies (see the table above for details). Other courses might be chosen for this purpose, in accordance with students' individual interests, but require advance permission from the Labour Studies coordinator. Students are responsible for ensuring that all prerequisites have been met.

Course	Title	Hours
Faculty of Arts		
Anthropology:		
<u>ANTH 2510</u>	Anthropology of Economic Systems	3
<u>ANTH 3750</u>	Anthropological Perspectives on Globalization and the World-System	3
Economics:		
<u>ECON 2350</u>	Community Economic Development	3
<u>ECON 2362</u>	Economics of Gender	3
<u>ECON 2540</u>	Political Economy 1: Production and Distribution	3
<u>ECON 2550</u>	Political Economy 2: Economic Growth and Fluctuations in a Global Economic Environment	3
<u>ECON 3362</u>	Labour Economics 1	3
<u>ECON 3364</u>	Labour Economics 2	3
History:		
<u>HIST 2282</u>	Inventing Canada (C)	3
<u>HIST 2286</u>	Modern Canada (C)	3
<u>HIST 2288</u>	History of Social Movements in Canada (C)	3
<u>HIST 2400</u>	History of Human Rights and Social Justice in the Modern World (M)	3
<u>HIST 2670</u>	History of Capitalism (M)	3
<u>HIST 2671</u>	Histoire du capitalisme (T)	3
<u>HIST 2680</u>	A History of Socialism from the French Revolution to the Present (M)	3

Course	Title	Hours
<u>HIST 2732</u>	Modern World History, 1945-1992: The Age of Three Worlds (M)	3
<u>HIST 2734</u>	Modern World History, 1980-Present: New World Order? (M)	3
<u>HIST 3052</u>	Canada since the 1960s (C)	3
<u>HIST 3054</u>	Canada and the United States (C)	3
<u>HIST 3212</u>	Global Sweatshops, Global Struggles (M)	3
<u>HIST 3576</u>	History of Women, Gender and Sexuality in Canada (C)	3
<u>HIST 3730</u>	A History of Western Canada (C)	6
<u>HIST 3800</u>	History of Winnipeg (C)	3
<u>HIST 4890</u>	Canadian Social History (C)	6
Indigenous Studies:		
<u>INDG 3170</u>	Indigenous Peoples and Racism in Canada	3
Philosophy:		
<u>PHIL 2290</u>	Ethics and Society	6
PHIL 2410	Applied Ethics	3
PHIL 2420	Applied Ethics 2	3
<u>PHIL 2830</u>	Business Ethics	3
Political Studies:		
<u>POLS 3470</u>	Canadian Public Management	3
<u>POLS 3810</u>	Introduction to Marxism	3
<u>POLS 3940</u>	Canadian Public Policy	3
<u>POLS 4370</u>	Comparative Public Administration	3
Sociology:		
<u>SOC 2292</u>	Understanding Social Research	3
<u>SOC 2294</u>	Understanding Social Statistics	3
<u>SOC 3371</u>	Sociologie du travail	3
<u>SOC 3380</u>	Power, Politics and the Welfare State	3

Course	Title	Hours
<u>SOC 3471</u>	Sociologie politique	3
<u>SOC 3820</u>	Qualitative and Historical Methods in Sociology	3
<u>SOC 3871</u>	Inégalités sociales	3
<u>SOC 3890</u>	Power and Inequality in Comparative Perspective	3
Women's and Gender Studies:		
<u>WOMN 2500</u>	Race, Class and Sexuality	3
<u>WOMN 3100</u>	Sex Work in Contemporary Canadian Culture	3
<u>WOMN 3550</u>	Feminist Community Organizing: Theories and Practices	3
I.H. Asper School of Business (Faculty of Management)		
Business Administration:		
<u>GMGT 2060</u>	Management and Organizational Theory	3
<u>GMGT 2070</u>	Introduction to Organizational Behaviour	3
<u>GMGT 4210</u>	Seminar in Management and Capitalism	3
<u>HRIR 2440</u>	Human Resource Management	3
<u>HRIR 3450</u>	Labour and Employment Relations	3
<u>HRIR 4420</u>	Compensation	3
<u>HRIR 4480</u>	Collective Bargaining and Administration	3
<u>HRIR 4520</u>	Comparative Industrial Relations and Human Resource Management	3

Linguistics

Program modifications:

Modifications to the **Program for Deaf Studies and the American Sign Language** are set out on the next 3 pages:

Linguistics

Update the degree prerequisite requirements in the Deaf Studies and the American Sign Language Program.

Added Material

~~Deleted Material~~

Program for Deaf Studies and the American Sign Language

Degree Requirements

A program in American Sign Language/English Interpretation is offered jointly with Red River College.

This program is currently undergoing revisions; interested students should contact the department general office for information.

Deaf Studies Program (prerequisite) - RRC

Course	Title	Hours
Students receive 6 credit hours for ASL 1, ASL 2, and ASL 3		6
American Sign Language 1		
American Sign Language 2		
American Sign Language 3		
Deaf Culture		3
Deaf History		3
Cross-cultural Interaction (no U of M credit)		
Total Hours		12
Course List		

Deaf Studies Program (prerequisite) - U of M

Course	Title	Hours
LING 1200	course no longer offered	6

Course	Title	Hours
<u>ANTH 1220</u>	Cultural Anthropology Socio-Cultural Anthropology	3
or <u>ANTH 1520</u>	Critical Cultural Anthropology	
Science ¹		3
Total Hours		12

Course List

¹ In the Deaf Studies Certificate Program (RRC) and in Year 1 of the Joint Linguistics (U of M) and ASL (RRC) Program students must complete a 3 credit hour Science course for a total of 6 credit hours of Science. A minimum of 3 credit hours of the Science courses must be in mathematics, statistics, or physics. Students seeking a second degree are not required to complete a mathematics, statistics, or physics course.

Following successful completion of this prerequisite year, a Certificate in Deaf Studies is awarded by Red River College and selection for continuation for the joint degree program is made by RRC and the Linguistics department.

Linguistics (U of M) and American Sign Language/English Interpretation (RRC)

Year 1		Hours
RRC:		
Cross-language Processing in Interpretation		3
Language Processing in Interpretation-English		3
Language Processing in Interpretation-ASL		3
English Comprehension and Expression		3
U of M:		
LING 2200	Course no longer offered	6
LING 2460	Course no longer offered	3
<u>LING 2740</u>	Interpretation Theory	3
ENGL XXXX	English	6
Science ¹		3
Hours		33
Year 2		

RRC:

Advanced ASL	3
Interpretation Lab 1	6
Ethics 1	3
Ethics 2	3
Interpretation Settings 1 (no UM credit)	
Interpretation Settings 2 (no UM credit)	

U of M:

LING 3300	Course no longer offered	6
LING XXXX	Linguistics Elective	3
Hours		24

Year 3**RRC:**

Interpretation Lab 2	3
Practicum (no U of M credit)	
Practicum Seminar (no U of M credit)	

U of M:

LING 3840	Course no longer offered	3
UM Electives (non linguistics courses) ²		6
Hours		12
Total Hours		69

Plan of Study Grid

¹ In the Deaf Studies Certificate Program (RRC) and in Year 1 of the Joint Linguistics (U of M) and ASL (RRC) Program students must complete a 3 credit hour Science course for a total of 6 credit hours of Science. A minimum of 3 credit hours of the Science courses must be in mathematics, statistics, or physics. Students seeking a second degree are not required to complete a mathematics, statistics, or physics course.

² Before selecting the 6 credit hours of electives, contact the General Office to ensure the selection satisfies the subject field requirement.

Philosophy

Deletion:

PHIL 2290 Ethics and Society 6 cr -6.0

Introductions:

PHIL 1500 Persons, Minds, and Bodies 3 cr +3.0

This course will introduce students to central philosophical topics concerning the nature of the self, the mind, consciousness and personhood. Topics to be discussed include the following: What is the relationship between the mind and the body? Do we have a free will? What constitutes personal identity? Could there be life after death? Students can expect to develop skills in critical reasoning and argumentation, and the ability to reason about, scrutinize, and defend various philosophical positions. May not be held with PHIL 1200

PHIL 2410 Applied Ethics 3 cr +3.0

The course offers an examination of contemporary ethical theories and their application to controversial moral issues. Possible topics include: the ethics of affirmative action/reverse discrimination; the censorship of hate speech; and our obligations to the global poor. Students will learn how to think critically about ethical issues and how to develop and defend their own moral position. May not be held with any of: the former PHIL 2290, the former PHIL 2531, PHIL 2740, PHIL 2741, PHIL 2750, or PHIL 2751.

PHIL 2420 Applied Ethics 2 3 cr +3.0

An examination of several issues in applied ethics. Possible topics include: our duty to take action against climate change; the ways we justify punishing people who break the law; the moral responsibilities of corporations; our obligation as a society to compensate historically victimized individuals and communities; how we should respond to individuals and countries guilty of war crimes. May not be held with any of: the former PHIL 2290, the former PHIL 2531, PHIL 2740, PHIL 2741, PHIL 2750, or PHIL 2751. Prerequisite: PHIL 2410.

NET CHANGE IN CREDIT HOURS: +3.0

Political Studies

Modifications:

POLS 3540 Terrorism and Political Violence 3 cr 0.0

This course offers students a comprehensive and critical approach to the central features of domestic and international terrorism, with an emphasis on Canada. Students will be encouraged to look at the different ways in which terrorist issues have been framed by different authors and national contexts. May not be held with either POLS 3621 or POLS 3140 when titled "Terrorism and Political Violence."

POLS 3870 Politics of Indigenous-Settler Relations 3 cr 0.0

A disciplinary assessment of the theories, histories, development, and contemporary reality of settler-colonialism in Canada. Prerequisite: POLS 2802.

NET CHANGE IN CREDIT HOURS: 0.0

Psychology

Program modifications:

Modifications to the **Bachelor of Arts (Single Honours) in Psychology** are set out on the next 2 pages:

Department of Psychology

- Clarify degree requirements in Year 3 of the B.A. Single Honours degree program.

Added Material

Deleted Material

Psychology, B.A. Single Honours

Degree Requirements

Year 1		Hours
<u>PSYC 1200</u>	Introduction to Psychology	6
or both of:		
<u>PSYC 1211</u>	Introduction à la psychologie I	
& <u>PSYC 1221</u>	and Introduction à la psychologie II	
24 credit hours of ancillary options ² ¹		24
Hours		30
Year 2		
<u>PSYC 2250</u>	Introduction to Psychological Research	3
<u>PSYC 2260</u>	Introduction to Research Methods in Psychology	3
6 credit hours in Psychology courses numbered at the 2000 or 3000 level (3 hours from each of two different lettered menu categories) ⁴ ²		6
6 credit hours of ancillary options ² ¹		6
12 credit hours of free options ³		12
Hours		30
Year 3		
<u>PSYC 3200</u>	Thinking Critically About Psychological Research	3
<u>PSYC 3340</u>	Design and Analysis for Psychological Experiments	3
<u>PSYC 3630</u>	Psychological Measurement and Assessment	3
9 credit hours in Psychology courses numbered at the 2000 or 3000 level (3 hours each of at least two different lettered menu courses not taken in Year 2)		9
3 credit hours in Psychology courses numbered at the 4000 level ⁴ or one of:		3
<u>PSYC 3520</u>	Independent Research in Psychology 1	
<u>PSYC 3560</u>	Supervised Field Study in Psychology	
<u>PSYC 3590</u>	Independent Research in Psychology 2	
9 credit hours of free options ³		9
Hours		30
Year 4		
<u>PSYC 4520</u>	Honours Research Seminar	6
6 credit hours in Psychology courses numbered at the 4000 level		6
9 credit hours in Psychology courses numbered at the 2000 or 3000 level, including any remaining menu category		9
9 credit hours of free options ³		9

Refer to the information directly below this list for other important degree requirements that B.A. Honours students must satisfy for graduation.

Hours	30
Total Hours	120

Plan of Study Grid

¹ Ancillary options are to be chosen from courses that are acceptable for credit in the Faculty of Arts (excluding Psychology courses).

² Lettered menu categories are as follows:

Category A: Personality/Social PSYC 2490, PSYC 2530, PSYC 2540

Category B: Developmental PSYC 2290

Category C: Learning PSYC 2440, PSYC 2470

Category D: Cognitive PSYC 2480

Category E: Biological PSYC 2360

³ Free options are to be chosen from courses that are acceptable for credit in the Faculty of Arts (including Psychology courses).

⁴ **Students may use one of PSYC 3520, PSYC 3560, or PSYC 3590 in place of three credit hours of 4000 level PSYC, with the approval of the Department Head.**

Religion

Program modifications:

Modifications to the following programs are outlined on the next 3 pages:

- **Bachelor of Arts (General Major) in Religion**
- **Bachelor of Arts (Single Advanced Major) in Religion**
- **Bachelor of Arts (Double Advanced Major) in Religion**
- **Bachelor of Arts (Single Honours) in Religion**
- **Bachelor of Arts (Double Honours) in Religion**

Religion

- Modification to the Judaism Religious Tradition list in the BA General Major, BA Single Advanced Major, BA Double Advanced Major, BA Single Honours and BA Double Honours.

Added Material

~~Deleted Material~~

Religious Traditions

Within the Religion courses required above, students must complete courses from at least two religious tradition categories: Buddhism, Christianity, Hinduism, Islam, Judaism

Religious Traditions are categorized as follows:

BUDDHISM

Course	Title	Hours
<u>RLGN 2020</u>	Introduction to Buddhism	3
<u>RLGN 3150</u>	Buddhism in East Asia	3
<u>RLGN 3152</u>	Buddhism in the West	3
<u>RLGN 3162</u>	Buddhist Philosophy	3
<u>RLGN 3260</u>	Indian Buddhism	3
<u>RLGN 3266</u>	Readings in Buddhist Texts	3
<u>RLGN 4010</u>	Advanced Topics in Buddhism	3

Course List

CHRISTIANITY

Course	Title	Hours
<u>RLGN 1350</u>	The History of Eastern Christianity	6
<u>RLGN 2036</u>	Introduction to Christianity	3
<u>RLGN 2040</u>	Early Modern Christianity in a Global Context	3
<u>RLGN 2052</u>	Conservative Christianity in the United States	3

Course	Title	Hours
<u>RLGN 2114</u>	Monks, Mystics and Manuscripts in Medieval Christianity	3
<u>RLGN 2170</u>	Introduction to the New Testament	3
<u>RLGN 2520</u>	Eastern Christianity in North America	3
<u>RLGN 2530</u>	Eastern Christianity in the Contemporary World	3
<u>RLGN 2840</u>	The Second Vatican Council	3
<u>RLGN 2850</u>	Contemporary Issues in Roman Catholicism	3
<u>RLGN 3230</u>	Gender, the Body, and Sexuality in Early Christianity	3
<u>RLGN 3870</u>	The Thought of Bernard Lonergan	3
<u>RLGN 4050</u>	Advanced Topics in Early Christianity	3
<u>RLGN 4282</u>	Advanced Studies in Medieval Christianity	3
Course List		

HINDUISM

Course	Title	Hours
<u>RLGN 2010</u>	Introduction to Hinduism	3
<u>RLGN 3210</u>	Indian Philosophy	3
<u>RLGN 4030</u>	Advanced Topics in Hinduism	3
<u>RLGN 4060</u>	The Yoga Tradition	3
Course List		

ISLAM

Course	Title	Hours
<u>RLGN 2100</u>	Approaches to the Qur'an	3
<u>RLGN 2778</u>	Introduction to Islam	3
<u>RLGN 2790</u>	Contemporary Islam	3
<u>RLGN 3190</u>	Images of the Prophet Muhammad: Classical and Contemporary Perspectives	3
<u>RLGN 3194</u>	Islamic Philosophy	3

Course	Title	Hours
<u>RLGN 4020</u>	Advanced Topics in Islam	3

Course List

JUDAISM

Course	Title	Hours
<u>RLGN 1120</u>	Biblical Hebrew	6
<u>RLGN 1390</u>	Readings in Biblical Hebrew 1	3
<u>RLGN 1400</u>	Readings in Biblical Hebrew 2	3
<u>RLGN 2140</u>	Introduction to Judaism	3
<u>RLGN 2160</u>	Hebrew Bible (Tanakh/"Old Testament")	3
<u>RLGN 2162</u>	Great Jewish Books	3
<u>RLGN 2770</u>	Contemporary Judaism	3
<u>RLGN 3280</u>	Hasidism	3
RLGN 3400	Zionism: Religious Perspectives	3
<u>RLGN 3810</u>	The Talmud: Judaism's challenging, controversial book of arguments	3
<u>RLGN 3824</u>	Kabbalah: Magic, Mythology, Mysticism	3
<u>RLGN 4300</u>	Advanced Topics in Judaism	3

Sociology and Criminology

Introduction:

SOC 3666 Sociology of Death and Dying 3 cr +3.0

Students will learn to connect what are normally assumed to be individual, private experiences of death and dying to broader social and structural contexts. Using sociological theories and concepts, the class will examine how and why Western societies manage and construct dying, death, and bereavement in certain ways, with implications for the oft-contradictory individual interpretations and experiences of these phenomena in modern times. Social processes of institutionalization, secularization, bureaucratization, professionalization are examined, and a sociological lens is used to examine palliative care, death doulas, assisted dying, hospices, funerals, and other death practices. Social inequalities related to dying, including access to palliative care are also investigated and students will critically reflect on public policies related to death in Canada. May not be held with SOC 2310 or SOC 3460 when titled "Sociology of Death and Dying." Prerequisite: SOC 1000.

NET CHANGE IN CREDIT HOURS: +3.0

Women's and Gender Studies

Program modifications:

Modifications to the following programs are outlined on the next 3 pages:

- **Bachelor of Arts (General Major) in Women's and Gender Studies**
- **Bachelor of Arts (Single Advanced Major) in Women's and Gender Studies**
- **Bachelor of Arts (Double Advanced Major) in Women's and Gender Studies**
- **Bachelor of Arts (Single Honours) in Women's and Gender Studies**
- **Bachelor of Arts (Double Honours) in Women's and Gender Studies**
- **Minor (Concentration) in Women's and Gender Studies**

Women's and Gender Studies

- Modification to update List A in the B.A. General Major, B.A. Single Advanced Major, B.A. Double Adv Major, B.A. Single Honours, B.A. Double Honours, Minor (Concentration)

Added Material

~~Deleted Material~~

List A

Course	Title	Hours
Faculty of Arts		
Anthropology:		
<u>ANTH 3320</u>	Women in Cross-Cultural Perspective	3
<u>ANTH 3321</u>	Femmes, sociétés et cultures	3
<u>ANTH 3330</u>	Sex and Sexualities	3
Classics:		
<u>CLAS 2210</u>	Women in Ancient Greece and Rome	3
Economics:		
<u>ECON 2362</u>	Economics of Gender	3
French, Spanish and Italian:		
<u>FREN 2680</u>	Littérature féminine française (B)	3
<u>FREN 3860</u>	Études sur Beauvoir (B)	3
German:		
<u>GRMN 1310</u>	Love in German Culture in English Translation (C)	3
<u>GRMN 3282</u>	Sex, Gender and Cultural Politics in the German-Speaking World in English Translation (C)	3
History:		
<u>HIST 2400</u>	History of Human Rights and Social Justice in the Modern World (M)	3

Course	Title	Hours
<u>HIST 3760</u>	Problems in United States History (A) (Acceptable for credit only when the topic is "Gender and Sexuality in 20th Century America.")	3
<u>HIST 4060</u>	Gender History in Canada (C)	6
Indigenous Studies:		
<u>INDG 2430</u>	Indigenous Women's Stories	3
<u>INDG 3360</u>	Indigenous Women in Canada	3
<u>INDG 3380</u>	Gender and Indigenous Societies	3
Philosophy:		
<u>PHIL 3220</u>	Feminist Philosophy	3
Political Studies:		
<u>POLS 3100</u>	Gender and Politics in Canada	3
Psychology:		
<u>PSYC 2380</u>	Psychology of Gender	3
<u>PSYC 3570</u>	Psychology of Women	3
Religion:		
<u>RLGN 2680</u>	Women and Religion 1	3
<u>RLGN 2690</u>	Women and Religion 2	3
Slavic Studies:		
<u>UKRN 3970</u>	Women and Ukrainian Literature	3
Sociology:		
<u>SOC 2460</u>	The Family	3
<u>SOC 2461</u>	La famille	3
<u>SOC 3350</u>	Feminism and Sociological Theory	3
<u>SOC 3770</u>	Women, Health and Medicine	3
<u>SOC 3790</u>	Women, Crime and Social Justice	3
<u>SOC 3810</u>	Sociological Perspectives on Gender and Sexuality	3

Course	Title	Hours
<u>SOC 3811</u>	Sociologie de la sexualité et des rôles sexuels	3
School of Art		
<u>FAAH 2110</u>	Women and Art	3
<u>FAAH 4090</u>	Seminar on Contemporary Issues in Art (Acceptable for credit only when the topic is "Women Artists")	3
Clayton H. Riddell Faculty of Environment, Earth, and Resources		
<u>GEOG 4280</u>	Gender and the Human Environment	3
Marcel A. Desautels Faculty of Music		
<u>MUSC 4130</u>	History of Women in Music	3
Faculty of Nursing		
<u>NURS 3330</u>	Women and Health	3

Course List

For course descriptions, see departmental listings.

Note: List A courses are identified in Aurora Student with the course attribute of "Women's Studies Requirement."

Faculty of Education

Curriculum, Teaching and Learning

Deletions:

EDUB 4134 Senior Years: Teaching Native Studies	3 cr	-3.0
EDUB 5770 Diagnosis and Remediation in Elementary School Mathematics	3 cr	-3.0

Introductions:

EDUB 4138 Senior Years: Teaching Indigenous Studies 3 cr +3.0
An examination of the curricular and pedagogical issues relating to the teaching of Indigenous Studies in Senior Years. Includes the study of trends and current issues relevant to Canadian Indigenous experience. May not be held with the former EDUB 4134. Prerequisites: EDUB 3100 and [3 credit hours from EDUB 3110, EDUB 3120, EDUB 3130, EDUB 3140].

EDUB 5762 Problem-solving in K-12 Mathematics Classrooms 3 cr +3.0
Students will explore various aspects of problem-solving in K-12 mathematics classrooms. The course will introduce the knowledge, processes and strategies involved in problem-solving as presented in curriculum, theory and research. Students will have opportunities to engage in collaborative problem-solving and be invited to reconsider their preconceived understandings of the role of problem-solving in mathematics teaching and learning.

Modifications:

EDUB 3130 Senior Years Curriculum & Instruction: Social Sciences 3 cr 0.0
A curriculum and instruction course for the cluster of subject areas for the Social Sciences: History, Geography, Indigenous Studies. This course provides the foundational principles for the study of curriculum, instructional strategies and assessment in the social sciences. Pre- or corequisite: EDUB 3100.

EDUB 3310 Early Years: Practicum 1 3 cr 0.0
Practical teaching experience for Early Years in a Manitoba school with the guidance and under the supervision of a faculty advisor and cooperating teacher(s). This is a pass/fail course. Pre- or corequisite: 3 credit hours from EDUB 3010, EDUB 3012.

EDUB 3312 Early Years: Practicum 2 3 cr 0.0
Practical teaching experience for Early Years in a Manitoba school with the guidance and under the supervision of a faculty advisor and cooperating teacher(s). This is a pass/fail course. Prerequisite: EDUB 3310. Pre- or corequisites: EDUB 3010 and EDUB 3012.

EDUB 3320 Middle Years: Practicum 1 3 cr 0.0
Practical teaching experience for Middle Years in a Manitoba school with the guidance and under the supervision of a faculty advisor and cooperating teacher(s). This is a pass/fail course. Pre- or corequisite: EDUB 3050.

EDUB 3322 Middle Years: Practicum 2 3 cr 0.0
Practical teaching experience for Middle Years in a Manitoba school with the guidance and under the supervision of a faculty advisor and cooperating teacher(s). This is a pass/fail course. Prerequisite: EDUB 3320. Pre- or corequisite: EDUB 3052.

EDUB 3330 Senior Years: Practicum 1 3 cr 0.0
Practical teaching experience for Senior Years in a Manitoba school with the guidance and under supervision of a faculty advisor and cooperating teacher(s). This is a pass/fail course. Pre- or corequisites: EDUB 3100 and [3 credit hours from: EDUB 3110, EDUB 3120, EDUB 3130, EDUB 3140].

EDUB 3332 Senior Years: Practicum 2 3 cr 0.0
Practical teaching experience for Senior Years in a Manitoba school with the guidance and under the supervision of a faculty advisor and cooperating teacher(s). This is a pass/fail course. Prerequisite: EDUB 3330.

EDUB 4124 Senior Years: Teaching Languages 3 cr 0.0
A course that will focus on theory and practices as well as strategies in teaching Heritage, Indigenous, or International Languages. Students will address issues and challenges faced in literacy and spend time focusing on inclusion in the classroom. Prerequisites: EDUB 3100 and [3 credit hours from: EDUB 3110, EDUB 3120, EDUB 3130, EDUB 3140].

EDUB 4330 Senior Years: Practicum 3 3 cr 0.0
Practical teaching experience for Senior Years in a Manitoba school with the guidance and under the supervision of a faculty advisor and cooperating teacher(s). This is a pass/fail course. Prerequisite: EDUB 3332. Pre- or corequisites: 6 credit hours from: EDUB 4110, EDUB 4112, EDUB 4114, EDUB 4120, EDUB 4122, EDUB 4124, EDUB 4130, EDUB 4132, EDUB 4138 (or the former EDUB 4134), EDUB 4140, EDUB 4142, EDUB 4144, EDUB 4146, EDUB 4148, EDUB 4150, EDUB 4152, EDUB 4154.

EDUB 5470 Recent Developments in Mathematics Education and Science Education 3 cr 0.0
This course will provide an opportunity to examine the theoretical bases for, and practical application of, recent or emerging developments in the area. May not be held with EDUB 5471.

NET CHANGE IN CREDIT HOURS: 0.0

Educational Administration, Foundations and Psychology

Modification:

EDUA 3420 Cross Cultural Education 3 cr 0.0
Theory and practical applications related to understanding the complexities of culture, race, ethnicity, social inequality in classrooms, focusing on Indigenous groups, immigration, and the needs of students in culturally diverse classrooms.

NET CHANGE IN CREDIT HOURS: 0.0

Faculty of Education

Program modifications:

Modifications to the **Bachelor of Education** degree and the Academic Calendar content are outlined on the next 7 pages.

- [Faculty of Education](#)>
- After-Degree Bachelor of Education

After-Degree Bachelor of Education

- [Overview](#)
- [Degree Requirements](#)
- [Faculty Requirements](#)
- [General Academic Regulations](#)

Degree Requirements

Early Years Stream

Plan of Study Grid		
Year 1		
Fall		
		Hours
EDUB 3012	Early Years Mathematics and Quantitative Reasoning for All Learners	3
EDUB 3010	Classroom Community and Early Years Literacy	3
Select one of the following:		
Indigenous Education course ¹		3
OR		
Education Elective ²		
EDUA 3000	Canadian School Systems and Their Public Purposes	3
or	or Contested Spaces in Education	
EDUA 3002		
EDUB 3310	Early Years: Practicum 1	3
	Hours	15
Winter		
EDUB 3016	Creative Collaboration in the Arts	3
EDUB 3014	Early Years Science and Social Studies: Pedagogy and Curriculum	3
EDUB 3018	Multi-Language Development in Early Years ²³	3
EDUA 3000	Canadian School Systems and Their Public Purposes	3
or	or Contested Spaces in Education	
EDUA 3002		
EDUB 3312	Early Years: Practicum 2	3
	Hours	15

Year 2

Fall

EDUB 4010	Pedagogy for Sustainable Well-being: Science, Mathematics and Social Studies	6
EDUB 4012	Pedagogy in Multiple Literacies: Children as Meaning Makers	6
EDUB 4310	Early Years Practicum 3	3
	Hours	15

Winter

EDUB 4014	Early Years: Physical Education/ Health Education	3
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Select from the following:

EDUA/EDUB Elective ³	Indigenous Education course¹ / Education Electives²	3 6
EDUA/EDUB Elective ³		3
EDUA 4000	Inclusive Education	3
EDUB 4312	Early Years Practicum 4	3
	Hours	15
	Total Hours	60

¹ All graduates of the After-Degree B.Ed. program must have 3 credit hours of Indigenous Education coursework chosen from: [EDUA 3404](#) or [EDUB 3406](#).

² ~~Meets the Special Education/Diversity coursework requirement.~~ **All graduates of the After-Degree B.Ed. Program, Early Years Stream must have 6 credit hours of Approved Education Electives.** See: [Education Electives](#)

³ **Meets the Special Education/Diversity coursework requirement.**

Middle Years Stream

Plan of Study Grid

Year 1

Fall

		Hours
EDUB 3050	Middle Years Learners & Learning	3
EDUB 3056	Teaching English Language Arts in Middle Years	3
Select one from the following:		3
Indigenous Education ¹		
Inclusive Education /Diversity ²		
Education Elective³		
EDUA 3000	Canadian School Systems and Their Public Purposes or Contested Spaces in Education	3
or EDUA 3002		
EDUB 3320	Middle Years: Practicum 1	3
	Hours	15

Winter

EDUB 3052	Middle Years: Teaching for Learning - Developing a Responsive Pedagogy	3
EDUB 3054	Introduction to Teaching Mathematics in Middle Years 1	3
Select one of the following:		3
Indigenous Education ¹		
Inclusive Education /Diversity ²		
Education Elective ³		
EDUA 3000 or EDUA 3002	Canadian School Systems and Their Public Purposes or Contested Spaces in Education	3
EDUB 3322	Middle Years: Practicum 2	3
	Hours	15

Year 2

Fall

EDUB 3060	Teaching Social Studies in Middle Years	3
EDUB 3062	Teaching the Arts in Middle Years	3
EDUB 3064	Teaching Physical Education/Health Education in Middle Years	3
Select from one of the following:		
Indigenous Education ¹		3
Inclusive Education /Diversity ²		
EDUA/EDUB Education Elective ³		
EDUB 4320	Middle Years: Practicum 3	3
	Hours	15

Winter

EDUB 4050	Middle Years: Creating Classroom Learning Environments	3
EDUB 3058	Teaching Science in Middle Years	3
EDUB 4052	Teaching Mathematics in Middle Years 2	3
EDUA 4000	Inclusive Education	3
EDUB 4322	Middle Years: Practicum 4	3
	Hours	15
	Total Hours	60

¹ All graduates of the After-Degree B.Ed. program must have 3 credit hours of Indigenous Education coursework chosen from: [EDUA 3404](#) or [EDUB 3406](#).

² All graduates of the After-Degree B.Ed. program must have 3 credit hours of Inclusive Education/Diversity coursework chosen from: [EDUA 3420](#), [EDUA 3422](#), [EDUB 3426](#), [EDUB 3506](#), [EDUB 3508](#) or [EDUB 3510](#).

³ All graduates of the After-Degree B.Ed. Program, Middle Years Stream must have 3 credit hours of Indigenous Education, 3 credit hours of Inclusive Education/Diversity and an additional 3 credit hours of approved Education Electives. See: Education Electives

Senior Years Stream

Plan of Study Grid

Year 1

	Fall	Hours
EDUB 3100	Senior Years: Principles and Processes for Teaching	3
EDUB 3XXX	Curriculum & Instruction ¹	3
	Select one of the following:	3
	Indigenous Education ²	
	Inclusive Education / Diversity ³	
	Education Elective ⁴	
EDUA 3000	Canadian School Systems and Their Public Purposes	3
or EDUA 3002	or Contested Spaces in Education	
EDUB 3330	Senior Years: Practicum 1	3
	Hours	15

Winter

EDUB 3102	Senior Years: Language and Literacy Across the Curriculum	3
EDUB 4XXX	Curriculum & Instruction ^{4,5,6}	3
	Select one of the following:	3
	Indigenous Education ²	
	Inclusive Education / Diversity ³	
	Education Elective ⁴	
EDUA 3000	Canadian School Systems and Their Public Purposes	3
or EDUA 3002	or Contested Spaces in Education	
EDUB 3332	Senior Years: Practicum 2	3
	Hours	15

Year 2

	Fall	
EDUB 4XXX	Curriculum & Instruction ^{4,5,6}	3
	Select 6 credit hours from the following:	36
	EDUA/EDUB	
	EDUA/EDUB Elective ⁶	
	Indigenous Education ²	3
	Inclusive Education / Diversity ³	
	Education Electives ⁴	

EDUA 4000	Inclusive Education	3
EDUB 4330	Senior Years: Practicum 3	3
	Hours	15

Winter

EDUB 4102	Themes in Senior Years	3
EDUB 4100	Teacher and Technology	3

Select 6 credit hours from the following: **36**
EDUA/EDUB

EDUA/EDUB Elective⁶

Indigenous Education² 3

Inclusive Education / Diversity³

Education Electives⁴

EDUB 4332	Senior Years: Practicum 4	3
	Hours	15
	Total Hours	60

¹ 3 credit hours chosen from [EDUB 3110](#), [EDUB 3120](#), [EDUB 3130](#) or [EDUB 3140](#) dependent on Major subject area.

² All graduates of the After-Degree B.Ed. program must have 3 credit hours of Indigenous Education coursework chosen from: [EDUA 3404](#) or [EDUB 3406](#).

³ All graduates of the After-Degree B.Ed. program must have 3 credit hours of Inclusive Education/Diversity coursework chosen from:
[EDUA 3420](#), [EDUA 3422](#), [EDUB 3426](#), [EDUB 3506](#), [EDUB 3508](#) or [EDUB 3510](#).

⁴ ~~3 credit hours chosen from [EDUB 4110](#), [EDUB 4112](#), [EDUB 4114](#), [EDUB 4120](#), [EDUB 4122](#), [EDUB 4124](#), [EDUB 4130](#), [EDUB 4132](#), [EDUB 4134](#) **4138**, [EDUB 4140](#), [EDUB 4142](#), [EDUB 4144](#), [EDUB 4146](#), [EDUB 4148](#), [EDUB 4150](#), [EDUB 4152](#), [EDUB 4154](#)~~
a required for major and as required for minor. Not all courses are offered every year. All graduates of the After-Degree B.Ed. Program, Senior Years Stream must have 3 credit hours of Indigenous Education, 3 credit hours of Inclusive Education/Diversity and an additional 12 credit hours of approved Education Electives. See: [Education Electives](#)

⁵ ~~Registration in EDUB 4XXX is dependent on scheduling. May require 6 credits of EDUB 4XXX for both subject areas to be taken in second term of program. 3 credit hours chosen from [EDUB 4110](#), [EDUB 4112](#), [EDUB 4114](#), [EDUB 4120](#), [EDUB 4122](#), [EDUB 4124](#), [EDUB 4130](#), [EDUB 4132](#), [EDUB 4134](#) **4138**, [EDUB 4140](#), [EDUB 4142](#), [EDUB 4144](#), [EDUB 4146](#), [EDUB 4148](#), [EDUB 4150](#), [EDUB 4152](#), [EDUB 4154](#)~~ as required for major and as required for minor. Not all courses are offered every year.

⁶ Registration in EDUB 4XXX is dependent on scheduling. May require 6 credits of EDUB 4XXX for both subject areas to be taken in second term of program.

Education Electives

Not all courses are offered every year.

Students can choose from the lists of electives. Students may seek permission to have other B.Ed. courses considered as an elective in their program by first consulting the Student Services Office (203 Education) and then obtaining approval from the instructor, the department head and an Academic Advisor. Forms are available from the Student Services Office or from the [Faculty of Education website](#). (Note: If permission is being sought to take courses with a prerequisite and/or those intended for Senior Years teachable major or minor subjects, evidence of having appropriate background in the area as acquired through coursework or related experiences should be provided on the "Registration Permission" form).

PBDE students can request permission to enrol in B.Ed. courses by following the procedure outlined above.

Course List		Hours
Course	Title	
<u>EDUA 3404</u>	Indigenous Education	3
<u>EDUA 3420</u>	Cross-Cultural Education	3
<u>EDUA 3422</u>	An Introduction to Childhood Trauma and Its Impact in the Classroom	3
<u>EDUA 3500</u>	Recent Developments in Educational Administration and Foundations	3
<u>EDUA 3502</u>	Recent Developments in Educational Psychology	3
<u>EDUA 3506</u>	Foundations of Moral and Religious Education	3
<u>EDUA 3508</u>	Measurement and Evaluation	3
<u>EDUA 3510</u>	Communication and Interpersonal Relationships in Education	3
<u>EDUB 1610</u>	CyberPedagogy: Technology Production in Education	3
<u>EDUB 1614</u>	K-8 Curriculum Studies	3
<u>EDUB 2160</u>	Teaching Music in Early/Middle Years	3
<u>EDUB 3406</u>	Indigenous Perspectives and the Curriculum	3
<u>EDUB 3408</u>	Reconciliation in K - 12 Education	3
<u>EDUB 3426</u>	La pédagogie du français de base aux niveaux intermédiaire et de la jeune enfance	3
<u>EDUB 3502</u>	Recent Developments in Curriculum, Teaching and Learning 1	3
<u>EDUB 3504</u>	Academic and Professional English for Multilingual Teachers	3
<u>EDUB 3506</u>	Principles and Procedures of Second Language Education	3
<u>EDUB 3508</u>	Language and Content Instruction of EAL Students	3
<u>EDUB 3510</u>	Language Awareness for Teachers	3
<u>EDUB 3512</u>	Literature for Adolescents	3
<u>EDUB 3514</u>	Literature for Children	3
<u>EDUB 3516</u>	Art Across the Curriculum	3
<u>EDUB 3518</u>	Drama Across the Curriculum	3
<u>EDUB 3520</u>	Historical Development of Physical Science up to the 20th Century	3

Course List		
Course	Title	Hours
<u>EDUB 3522</u>	Recent Developments in Learning and Teaching Senior Years Mathematics	3
<u>EDUB 3524</u>	Practical Work in School Science	3
<u>EDUB 3526</u>	Integration of Technological Literacy Across the K-12 Curriculum	3
<u>EDUB 3528</u>	Media Literacy	3
<u>EDUB 3530</u>	Beyond Schools: Experiencing Teaching and Learning in Community Settings	3
<u>EDUB 3532</u>	Basic Experiences in Movement and Dance Education	3
<u>EDUB 3534</u>	Creating Communities of Writers in Diverse Classrooms and Contexts	3
<u>EDUB 4100</u>	Teacher and Technology	3
<u>EDUB 4502</u>	Recent Developments in Curriculum, Teaching and Learning 2	3

Education Electives (Open to Non-Education Students During Open Access Period)

Course List		
Course	Title	Hours
<u>EDUA 1560</u>	Adult Learning and Development	3
<u>EDUA 1570</u>	Foundations of Adult Education	3
<u>EDUA 1580</u>	Program Planning in Adult Education	3
<u>EDUA 1590</u>	Facilitating Adult Education	3
<u>EDUB 1600</u>	Teaching General Music	3

Faculty of Engineering

Biosystems Engineering

Modifications:

BIOE 4412 Design of Light-Frame Building Systems 4 cr 0.0
(Lab required) Light-frame buildings as a structural and environmental system; structural loads in building systems; energy (heat), moisture and air contaminants in building systems; built-environment for building occupants. Lab activities provide students with an opportunity to construct small-scale structures. Students will be introduced to alternative building systems. May not be held with CIVL 4024. Prerequisites: (BIOE 3110 or the former BIOE 2110) and BIOE 3590.

BIOE 4420 Crop Preservation 4 cr 0.0
(Lab required) Biological and physical deterioration during storage. Methods of preserving and storing cereals, oilseeds, and other agricultural crops. Prerequisite: BIOE 3110 or the former BIOE 2110.

BIOE 4440 Bioprocessing for Biorefining 4 cr 0.0
(Lab required) This course will provide students with an understanding of the principles involved in the design of proper conditions for processing of biomaterials for production of high-quality biofuels and bioproducts. The content of this course is built on the principles of physics, transport phenomena, thermodynamics, reaction, kinetics, fermentation, and industrial unit operations. Prerequisite: BIOE 3110 or the former BIOE 2110. Pre- or corequisite: BIOE 3320.

NET CHANGE IN CREDIT HOURS: 0.0

Electrical and Computer Engineering

Program modifications:

Modifications to the programs listed below are outlined on the next 2 pages:

- **Bachelor of Science in Engineering (Electrical)**
 - **Entrepreneurship Focus Area** (*new*)
- **Bachelor of Science in Engineering (Computer)**
 - **Entrepreneurship Focus Area** (*new*)

ENTREPRENEURSHIP FOCUS AREA

To complete the Entrepreneurship Focus the two (2) prescribed courses and two (2) of the five Entrepreneurship Elective courses must be taken. To complete program requirements, students must select three (3) additional electives from the list of Qualified Engineering Design Electives and one (1) further Technical Elective from the Electrical Engineering standard program.

Course	Title	Hours
MECH 3170	Project Management	4
ENTR 2020	Starting a Small New Business ¹	3
Two Entrepreneurship Electives		6-7
Three courses from the list of Group A Qualified Design Elective Courses found in the Electrical Engineering Standard Program		12
One additional course from the list of Elective Courses found in the Electrical Engineering Standard Program		3-5
Total Hours		28-31

1. In addition to satisfying focus area requirements, ENTR 2020 also ~~satisfy~~ **satisfies** the general program requirement for one complementary studies elective.

Entrepreneurship Electives List

Course	Title	Hours
ENG 4110	Operational Excellence	4
ENTR 3060	Creativity and Entrepreneurial Thinking	3
ENTR 3070	Innovation Management	3
ENTR 3102	Technological Entrepreneurship	3
ENTR 4100	New Venture Analysis	3

ENTREPRENEURSHIP FOCUS AREA

Course	Title	Hours
MECH 3170	Project Management	4
ENTR 2020	Starting a Small New Business ¹	3
Two EN Electives		6–7
Two Technical Electives		6–8
Total Hours		19–22

1. In addition to satisfying focus area requirements, ENTR 2020 also meets the general program requirement for one complementary studies elective.

Entrepreneurship (EN) Electives List

Course	Title	Hours
ENG 4110	Operational Excellence	4
ENTR 3060	Creativity and Entrepreneurial Thinking	3
ENTR 3070	Innovation Management	3
ENTR 3102	Technological Entrepreneurship	3
ENTR 4100	New Venture Analysis	3

Faculty of Health Sciences

Interdisciplinary Health Program

Deletion:

HMEC 4060 Special Studies in Human Ecology 3 cr -3.0

Modification:

HEAL 4650 Research Project in Interdisciplinary Health 3 cr 0.0

Students will complete an individual research project in a health-related field under the supervision of a UM Faculty member. Projects will be based on the supervisor's research program. Students will perform the required research, complete data analysis, and produce a final written report that will be evaluated by the supervisor. Students may take this course twice, but the topic subtitle must be different for each course. For IHP students only. Prerequisites: Consent of Instructor and Director and a minimum of 60 credit hours completed.

NET CHANGE IN CREDIT HOURS: -3.0

Program modifications:

Modifications to the following programs are outlined on the next 27 pages:

- **Bachelor of Health Sciences**
- **Bachelor of Health Studies**
 - **Health Policy, Planning, and Evaluation Concentration**
- **Minor in Health Sciences**
- **Minor in Health Studies**

Health Sciences, B.H.Sc.

Degree Requirements

The Bachelor of Health Sciences (B.H.Sc.) degree is a four year interdisciplinary program that incorporates science, humanities and social science to provide students with an integrative perspective on health. The BHSc provides students with an interdisciplinary background and skill set that will contribute to their preparation for a future in health-related careers. This interdisciplinary skill set is seen as advantageous for students applying for education in professional health programs and graduate studies.

The Bachelor of Health Sciences (B.H.Sc.) Degree consists of 120 credit hours.

Students should consult the Academic Calendar to ensure that they have the appropriate pre- or co-requisites before they attempt to register in a course. A number of courses are cross-listed between departments/faculties. Students are strongly encouraged to seek the advice of the Academic Advisor in the Interdisciplinary Health Program in order to plan their programs.

Year 1		Hours
<u>BIOL 1410</u>	Anatomy of the Human Body	3
<u>CHEM 1100</u>	Introductory Chemistry 1: Atomic and Molecular Structure and Energetics ²	3
<u>CHEM 1110</u>	Introductory Chemistry 2: Interaction, Reactivity, and Chemical Properties ²	3
<u>CHEM 1120</u>	Introduction to Chemistry Techniques ²	3
<u>HEAL 1500</u>	Foundations of Human Biology 1 ³	3
<u>HEAL 1502</u>	Foundations of Human Biology 2 ³	3
<u>INDG 1220</u>	Indigenous Peoples in Canada, Part 1	3
or <u>INDG 1240</u>	or Indigenous Peoples in Canada, Part 2	
<u>PSYC 1200</u>	Introduction to Psychology	6
or <u>SOC 1000</u>	or Introduction to Sociology	
<u>STAT 1000</u>	Basic Statistical Analysis 1	3
3 credit hours of Free electives if <u>SOC 1000</u> is taken		
Hours		30
Year 2		
<u>BGEN 2000</u>	Medical Cell Biology	3
<u>CHEM 2730</u>	Elements of Biochemistry 1	3
<u>CHEM 2740</u>	Introduction to the Biochemistry Laboratory	3
<u>HEAL 2600</u>	Integration of Health Determinants of Individuals	3
<u>HNSC 1210</u>	Nutrition for Health and Changing Lifestyles	3
<u>HNSC 2000</u>	Research Methods and Presentation ⁴	3
or <u>PSYC 2250</u>	or Introduction to Psychological Research	
<u>IMMU 2000</u>	Fundamentals in Immunology	3

<u>PHGY 1030</u>	Fundamentals of Medical Physiology	6
3 credit hours of Free Electives		3
Hours		30
Year 3		
<u>BGEN 3010</u>	Genetics in Biomedicine ⁵	3
<u>FMLY 3750</u>	Fundamentals of Health Promotion	3
<u>FMLY 3780</u> or <u>FMLY 3790</u>	Introduction to the Development of Programs for Children and Families or Introduction to the Evaluation of Programs for Children and Families	3
<u>HEAL 3000</u>	Introduction to Social Epidemiology	3
<u>HEAL 3600</u>	Integration of Health Determinants for Communities	3
<u>HEAL 3610</u>	Mechanisms of Disease 1	3
<u>PHAC 3000</u>	Foundations of Pharmacology	3
<u>PHIL 2740</u>	Ethics and Biomedicine ⁶	3
3 credit hours of Free Electives		3
3 credit hours of Program Electives ⁷		3
Hours		30
Year 4		
<u>ANAT 4010</u>	Human Embryology	3
<u>HEAL 4600</u>	Integration of Health Determinants for Canada and the World	3
<u>HEAL 4620</u>	Health Sciences Capstone	3
<u>HEAL 4630</u>	Mechanisms of Disease 2	3
<u>PHAC 4030</u>	Drugs in Human Disease I	3
<u>PHAC 4040</u>	Drugs in Human Disease II	3
6 credit hours of Program Electives ⁷		6
6 credit hours of Free Electives		6
Hours		30
Total Hours		120

¹ Equivalent courses offered through Université de Saint-Boniface may be used in lieu of the specified courses identified in the degree program chart.

² The former CHEM 1300 and the former CHEM 1310 may be used as course equivalents if completed prior to September 2021.

³ BIOL 1020 and BIOL 1030 may be used as course equivalents if completed prior to September 2021.

⁴ Students are advised that they must complete 3 credit hours from the Written English list within their first 60 credit hours, if they do not plan to take HNSC 2000.

⁵ Students interested in applying to the MSc in Genetic Counselling must take BGEN 3022 and BGEN 3024 instead of BGEN 3010.

⁶ PHIL 2290 (6) may be used in place of PHIL 2740 and will also satisfy the requirement of 3 credit hours of Free Electives.

⁷ Of the 9 credit hours of program electives, 6 credit hours must be selected from the science elective list. HEAL 4650 can be completed a maximum of two times.

Bachelor of Health Sciences Program Electives List

Please note, a course completed as a core requirement may not also be used as an elective.

SCIENCE ELECTIVES

FACULTY OF AGRICULTURAL AND FOOD SCIENCES

Course	Title	Hours
<u>AGRI 2180</u>	Introductory Toxicology	3
<u>FOOD 4150</u>	Food Microbiology 1	3
<u>HNSC 2130</u>	Nutrition Through the Life Cycle	3

CLAYTON H. RIDDELL FACULTY OF ENVIRONMENT EARTH AND RESOURCES

Course	Title	Hours
<u>ENVR 2180</u>	Introductory Toxicology	3

MAX RADY COLLEGE OF MEDICINE

Course	Title	Hours
<u>BGEN 3022</u>	Introduction to Human Genetics A	3
<u>BGEN 3024</u>	Introduction to Human Genetics B	3

FACULTY OF SCIENCE

Course	Title	Hours
<u>BIOL 2380</u>	Introductory Toxicology	3
<u>BIOL 3290</u>	Medicinal and Hallucinogenic Plants	3
<u>CHEM 2100</u>	Organic Chemistry 1: Foundations of Organic Chemistry	3
<u>CHEM 2110</u>	Organic Chemistry 2: Foundations of Organic Synthesis	3
<u>CHEM 2122</u>	Experimental Organic Chemistry	3
<u>CHEM 2750</u>	Elements of Biochemistry 2	3
<u>MATH 1230</u>	Differential Calculus	3
<u>MATH 1500</u>	Introduction to Calculus	3
<u>MBIO 1220</u>	Essentials of Microbiology	3
<u>MBIO 2420</u>	Introductory Virology	3
<u>MBIO 2750</u>	Elements of Biochemistry 2	3
<u>PHYS 1020</u>	General Physics 1	3
<u>PHYS 1030</u>	General Physics 2	3
<u>PHYS 1050</u>	Physics 1: Mechanics	3
<u>PHYS 1070</u>	Physics 2: Waves and Modern Physics	3
<u>STAT 2000</u>	Basic Statistical Analysis 2	3
<u>STAT 3000</u>	Applied Linear Statistical Models	3

SOCIAL SCIENCE ELECTIVES

FACULTY OF ARTS

Course	Title	Hours
<u>ECON 1010</u>	Introduction to Microeconomic Principles	3
<u>ECON 1210</u>	Introduction to Canadian Economic Issues and Policies	3
<u>ECON 3690</u>	Economic Issues of Health Policy	3
<u>ECON 3692</u>	Economic Determinants of Health	3
<u>HIST 2020</u>	The Métis in Canada (C)	3
<u>INDG 1220</u>	Indigenous Peoples in Canada, Part 1	3
<u>INDG 1240</u>	Indigenous Peoples in Canada, Part 2	3
<u>INDG 2020</u>	The Métis in Canada	3
<u>INDG 2110</u>	Introduction to Indigenous Community Development	3
<u>INDG 3100</u>	Indigenous Healing Ways	3
<u>INDG 3240</u>	Indigenous Medicine and Health	3
<u>INDG 3330</u>	Indigenous People, Science and the Environment	3
<u>PSYC 2250</u>	Introduction to Psychological Research	3
<u>PSYC 2260</u>	Introduction to Research Methods in Psychology	3
<u>PSYC 2290</u>	Child Development	3
<u>PSYC 2360</u>	Brain and Behaviour	3
<u>PSYC 2440</u>	Behaviour Modification Principles	3
<u>PSYC 2490</u>	Abnormal Psychology	3
<u>PSYC 3070</u>	Adult Development	3
<u>PSYC 3130</u>	Introduction to Health Psychology	3
<u>PSYC 3150</u>	Behaviour Modification Applications	3
<u>PSYC 3310</u>	Adolescent Development	3
<u>SOC 1000</u>	Introduction to Sociology	3
<u>SOC 2330</u>	Social Psychology in Sociological Perspective	3
<u>SOC 2390</u>	Social Organization	3
<u>SOC 2460</u>	The Family	3
<u>SOC 2490</u>	Sociology of Health and Illness	3
<u>SOC 2620</u>	The Sociology of Aging	3
<u>SOC 3540</u>	The Sociology of Health Care Systems	3
<u>SOC 3660</u>	Sociology of Mental Disorder	3
<u>SOC 3770</u>	Women, Health and Medicine	3

FACULTY OF KINESIOLOGY AND RECREATION MANAGEMENT

Course	Title	Hours
<u>KIN 2610</u>	Health and Physical Aspects of Aging	3
<u>KPER 1200</u>	Physical Activity, Health and Wellness	3
<u>REC 2650</u>	The Social Aspects of Aging	3

RADY FACULTY OF HEALTH SCIENCES

Course	Title	Hours
<u>HEAL 1600</u>	Health and Health Professions	3
<u>HEAL 4640</u>	Mechanisms of Disease 3	6
<u>HEAL 4650</u>	Selected Topics in Interdisciplinary Health Research Project in Interdisciplinary Health	3

COLLEGE OF NURSING

Course	Title	Hours
<u>NURS 2610</u>	Health and Physical Aspects of Aging	3
<u>NURS 3330</u>	Women and Health	3
<u>NURS 3400</u>	Men's Health: Concerns, Issues and Myths	3
<u>NURS 4520</u>	Professional Foundations 5: Interprofessional and Collaborative Practice	3

MAX RADY COLLEGE OF MEDICINE

Course	Title	Hours
<u>FMLY 1000</u>	Families in Contemporary Canadian Society	3
<u>FMLY 1010</u>	Human Development in the Family	3
<u>FMLY 1012</u>	Introduction to Social Development	3
<u>FMLY 1420</u>	Family Management Principles	3
<u>FMLY 2012</u>	Development, Conflict, and Displacement	3
<u>FMLY 2400</u>	Family Financial Health	3
<u>FMLY 2500</u>	Diversity and Families	3
<u>FMLY 2600</u>	Foundations of Childhood Developmental Health	3
<u>FMLY 2650</u>	The Social Aspects of Aging	3
<u>FMLY 2800</u>	Family Violence	3
<u>FMLY 3012</u>	Theories of Social Development	3
<u>FMLY 3220</u>	Death and the Family	3
<u>FMLY 3240</u>	Families in Later Years	3
<u>FMLY 3330</u>	Parenting and Developmental Health	3
<u>FMLY 3400</u>	Families as Consumers	3
<u>FMLY 3470</u>	Selected Studies in the Family I	3
<u>FMLY 3600</u>	Adolescents in Families and Society	3
<u>FMLY 3780</u>	Introduction to the Development of Programs for Children and Families	3
<u>FMLY 3790</u>	Introduction to the Evaluation of Programs for Children and Families	3
<u>FMLY 3800</u>	Conflict Resolution in the Family	3
<u>FMLY 3802</u>	Intimate Partner Violence	3
<u>FMLY 3806</u>	Children, Violence and Rights	3
<u>FMLY 4012</u>	Social Development Policies	3
<u>FMLY 4220</u>	Aging and Risk in a Global Context	3
<u>FMLY 4300</u>	Field Experience	6
<u>FMLY 4330</u>	Management of Family Stress	3

Course	Title	Hours
<u>FMLY 4400</u>	Family Economics: Poverty and Wealth	3
<u>FMLY 4470</u>	Selected Studies in the Family II	3
<u>FMLY 4480</u>	Work and Family Issues	3
<u>FMLY 4602</u>	Family Relationships, Health and Well-being	3
<u>FMLY 4604</u>	Children in Adversity	3
<u>FMLY 4606</u>	A Social Justice Perspective on Indigenous Maternal and Child Health	3
<u>FMLY 4802</u>	Family Violence Prevention	3

FACULTY OF SOCIAL WORK

Course	Title	Hours
<u>SWRK 1200</u>	Introduction to Canadian Social Welfare	3
<u>SWRK 1310</u>	Introduction to Social Welfare Policy Analysis	3
<u>SWRK 2040</u>	Social Welfare Policy: Analysis and Advocacy	3
<u>SWRK 2650</u>	The Social Aspects of Aging	3

Health Studies, B.H.St.

Degree Requirements

The Bachelor of Health Studies (B.H.St.) Degree now consists of 3 Concentrations from which students must declare at least one. A Concentration is 18 credit hours. Students must choose from one of the following 3 Concentrations: Health Policy, Planning and Evaluation, Health Promotion and Education, or Family Health. Requirements for these are found in the [Concentrations Tab](#).

Year 1		Hours
<u>ANTH 1210</u>	Human Origins and Antiquity Ancient Peoples and Places	3
or <u>ANTH 1220</u>	or Cultural Anthropology Socio-Cultural Anthropology	
<u>FMLY 1012</u>	Introduction to Social Development	3
<u>HEAL 1500</u>	Foundations of Human Biology 1 ²	3
<u>HEAL 1502</u>	Foundations of Human Biology 2 ²	3
<u>PSYC 1200</u>	Introduction to Psychology	6
<u>SOC 1000</u>	Introduction to Sociology	3
<u>STAT 1000</u>	Basic Statistical Analysis 1	3
3 credit hours of Concentration Electives		3
3 credit hours of Free Electives		3
Hours		30
Year 2		
<u>ECON 1210</u>	Introduction to Canadian Economic Issues and Policies	3
or <u>ECON 1220</u>	or Introduction to Global and Environmental Economic Issues and Policies	
<u>GMGT 1010</u>	Business and Society	3
or <u>GMGT 2070</u>	or Introduction to Organizational Behaviour	
<u>HEAL 2600</u>	Integration of Health Determinants of Individuals	3
<u>HNSC 1210</u>	Nutrition for Health and Changing Lifestyles	3
<u>HNSC 2000</u>	Research Methods and Presentation ³	3
or <u>PSYC 2250</u>	or Introduction to Psychological Research	
One of the following:		3
<u>INDG 1220</u>	Indigenous Peoples in Canada, Part 1	
<u>INDG 1240</u>	Indigenous Peoples in Canada, Part 2	
<u>INDG 3240</u>	Indigenous Medicine and Health	
6 credit hours of Concentration Electives		6
3 credit hours of Program Electives ⁴		3
3 credit hours of Free Electives		3
Hours		30

Year 3

<u>FMLY 3750</u>	Fundamentals of Health Promotion	3
<u>FMLY 3780</u>	Introduction to the Development of Programs for Children and Families	3
<u>FMLY 3790</u>	Introduction to the Evaluation of Programs for Children and Families	3
<u>HEAL 3000</u>	Introduction to Social Epidemiology	3
<u>HEAL 3600</u>	Integration of Health Determinants for Communities	3
<u>PHIL 2740</u>	Ethics and Biomedicine ⁵	3
<u>SOC 2490</u>	Sociology of Health and Illness	3
3 credit hours of Concentration Electives		3
6 credit hours of Program Electives ⁴		6
Hours		30

Year 4

<u>HEAL 4600</u>	Integration of Health Determinants for Canada and the World	3
<u>HEAL 4610</u>	Health Studies Capstone	3
6 credit hours of Concentration Electives		6
12 credit hours of Program Electives ⁴		12
6 credit hours of Free Electives		6
Hours		30
Total Hours		120

¹ Equivalent courses offered through Université de Saint-Boniface may be used in lieu of the specified courses identified in the degree program chart.

² BIOL 1020 and BIOL 1030 may be used as course equivalents if courses were completed prior to September 2021.

³ Students are advised that they must complete 3 credit hours from the Written English list within their first 60 credit hours, if they do not plan to take HNSC 2000.

⁴ Of the 21 credit hours of program electives, 9 credit hours must be at the 3000-4000 level. HEAL 4650 can be completed a maximum of two times.

⁵ PHIL 2290 (6) may be used in place of PHIL 2740 and will also satisfy the requirement of 3 credit hours of Free Electives.

Bachelor of Health Studies Program Electives List

Please note, a course completed as a core requirement may not also be used as an elective.

FACULTY OF AGRICULTURAL AND FOOD SCIENCES

Course	Title	Hours
<u>ABIZ 1010</u>	Economics of World Food Issues and Policies	3
<u>ABIZ 3550</u>	Environmental Policy	3
<u>FOOD 4150</u>	Food Microbiology 1	3
<u>HNSC 1200</u>	Food: Facts and Fallacies	3
<u>HNSC 2130</u>	Nutrition Through the Life Cycle	3
<u>HNSC 3350</u>	Culture and Food Patterns	3
<u>HNSC/GEOG 3870</u>	Food Geographies	3

FACULTY OF ARTS

Course	Title	Hours
<u>ANTH 2020</u>	Relatedness in a Globalizing World	3
<u>ANTH 2040</u>	Native North America: A Sociocultural Survey A Socio-Cultural Survey of North American Indigenous Peoples	3
<u>ANTH 2240</u>	Plagues and People	3
<u>ANTH 2300</u>	Anthropology of Childhood	3
<u>ANTH 2510</u>	Anthropology of Economic Systems	3
<u>ANTH 2550</u>	Culture and the Individual	3
<u>ANTH 2560</u>	Anthropology of Illness	3
<u>ANTH 2860</u>	Evolution and Human Diversity	3
<u>ANTH 2880</u>	Human Evolution	3
<u>ANTH 2890</u>	Human Population Biology	3
<u>ANTH 3200</u>	Anthropology of Food	3
<u>ANTH 3320</u>	Women in Cross-Cultural Perspective	3
<u>ANTH 3330</u>	Sex and Sexualities	3
<u>ANTH 3500</u>	Peoples of the Arctic Archaeology of Inuit Nunangat	3
<u>ANTH 3550</u>	Canadian Subcultures	3
<u>ANTH 3740</u>	Human Growth and Variation	3
<u>ANTH 3750</u>	Anthropological Perspectives on Globalization and the World-System	3
<u>ECON 2350</u>	Community Economic Development	3
<u>ECON 2362</u>	Economics of Gender	3
<u>ECON 3690</u>	Economic Issues of Health Policy	3
<u>ECON 3692</u>	Economic Determinants of Health	3
<u>GPE 1700</u>	Social Justice in the 21st Century: Global Political Economy and Environmental Change	3

Course	Title	Hours
<u>HIST 2010</u>	Indigenous History in Canada (C)	6
<u>HIST 2020</u>	The Métis in Canada (C)	3
<u>HIST 2400</u>	History of Human Rights and Social Justice in the Modern World (M)	3
<u>HIST 3730</u>	A History of Western Canada (C)	6
<u>INDG 1220</u>	Indigenous Peoples in Canada, Part 1	3
<u>INDG 1240</u>	Indigenous Peoples in Canada, Part 2	3
<u>INDG 1250</u>	Introductory Cree 1	3
<u>INDG 1270</u>	Introductory Anishinaabemowin (Ojibwe) 1	3
<u>INDG 2020</u>	The Métis in Canada	3
<u>INDG 2040</u>	The Dakota, Lakota, and Nakota Nations	3
<u>INDG 2060</u>	Eastern Woodlands Encounters Columbus to Confederation	3
<u>INDG 2070</u>	Cree, Innu, and Dene Nations	3
<u>INDG 2080</u>	Inuit Society and Culture	3
<u>INDG 2100</u>	Indigenous Spirituality	3
<u>INDG 2110</u>	Introduction to Indigenous Community Development	3
<u>INDG 3100</u>	Indigenous Healing Ways	3
<u>INDG 3150</u>	Residential School Literature	3
<u>INDG 3240</u>	Indigenous Medicine and Health	3
<u>INDG 3300</u>	Indigenous Language Planning and Development	3
<u>LABR 1260</u>	Working for a Living	3
<u>LABR 3060</u>	Workplace Health and Safety	3
<u>LABR 3070</u>	Labour Relations and Occupational Health and Safety Law	3
<u>PHIL 2290</u>	Ethics and Society	6
<u>PSYC 2250</u>	Introduction to Psychological Research	3
<u>PSYC 2260</u>	Introduction to Research Methods in Psychology	3
<u>PSYC 2290</u>	Child Development	3
<u>PSYC 2360</u>	Brain and Behaviour	3
<u>PSYC 2440</u>	Behaviour Modification Principles	3
<u>PSYC 2470</u>	Learning Foundations of Psychology	3
<u>PSYC 2480</u>	Cognitive Processes	3
<u>PSYC 2490</u>	Abnormal Psychology	3
<u>PSYC 2530</u>	Psychology of Personality	3
<u>PSYC 2540</u>	Social Psychology	3
<u>PSYC 3070</u>	Adult Development	3
<u>PSYC 3130</u>	Introduction to Health Psychology	3
<u>PSYC 3150</u>	Behaviour Modification Applications	3
<u>PSYC 3160</u>	Perception and Attention	3
<u>PSYC 3310</u>	Adolescent Development	3
<u>PSYC 3390</u>	Thinking	3
<u>PSYC 3430</u>	Sensory Processes	3

Course	Title	Hours
<u>PSYC 3470</u>	Dyadic Relations	3
<u>PSYC 3490</u>	Individual Differences	3
<u>PSYC 3580</u>	Language and Thought	3
<u>PSYC 3630</u>	Psychological Measurement and Assessment	3
<u>RLGN 1322</u>	Introduction to Eastern Religions	3
<u>RLGN 1324</u>	Introduction to Western Religions	3
<u>RLGN 1410</u>	Death and Concepts of the Future	3
<u>RLGN 2590</u>	Religion and Social Issues	3
<u>SOC 2320</u>	Canadian Society and Culture	3
<u>SOC 2330</u>	Social Psychology in Sociological Perspective	3
<u>SOC 2360</u>	Small Group Interaction	3
<u>SOC 2370</u>	Ethnic Relations	3
<u>SOC 2390</u>	Social Organization	3
<u>SOC 2460</u>	The Family	3
<u>SOC 2510</u>	Criminology	3
<u>SOC 2610</u>	Sociology of Criminal Justice and Corrections	3
<u>SOC 2620</u>	The Sociology of Aging	3
<u>SOC 2630</u>	Social Change	3
<u>SOC 3310</u>	Theorizing Crime, Law, and Social Justice	3
<u>SOC 3370</u>	Sociology of Work	3
<u>SOC 3380</u>	Power, Politics and the Welfare State	3
<u>SOC 3400</u>	Policing and Crime Prevention	3
<u>SOC 3540</u>	The Sociology of Health Care Systems	3
<u>SOC 3660</u>	Sociology of Mental Disorder	3
<u>SOC 3730</u>	Society and Education	3
<u>SOC 3750</u>	Institutional Responses to Violence in Family and Intimate Relationships	3
<u>SOC 3770</u>	Women, Health and Medicine	3
<u>SOC 3790</u>	Women, Crime and Social Justice	3
<u>SOC 3810</u>	Sociological Perspectives on Gender and Sexuality	3
<u>SOC 3820</u>	Qualitative and Historical Methods in Sociology	3
<u>SOC 3830</u>	Youth, Crime, and Society	3
<u>SOC 3840</u>	Community and Social Reconstruction	3
<u>SOC 3860</u>	Genocide, Crime and Society	3
<u>SOC 3890</u>	Power and Inequality in Comparative Perspective	3
<u>WOMN 1600</u>	Introduction to Women's and Gender Studies in the Social Sciences	3
<u>WOMN 2000</u>	Feminist Thought	3
<u>WOMN 2500</u>	Race, Class and Sexuality	3
<u>WOMN 2560</u>	Women, Science and Technology	3
<u>WOMN 2600</u>	Sex, Gender, Space and Place	3
<u>WOMN 2610</u>	Gender, Transport and Social Justice	3

Course	Title	Hours
<u>WOMN 3000</u>	Interdisciplinary Research in Women's and Gender Studies	3
<u>WOMN 3560</u>	Feminist Perspectives on Violence Against Women	3

I. H. ASPER SCHOOL OF BUSINESS

Course	Title	Hours
<u>HRIR 2440</u>	Human Resource Management	3
<u>HRIR 3450</u>	Labour and Employment Relations	3
<u>LEAD 2010</u>	Learning to Lead	3
<u>LEAD 3010</u>	Negotiation and Conflict Management	3
<u>LEAD 4020</u>	Leadership, Power and Politics in Organizations	3

CLAYTON H. RIDDELL FACULTY OF ENVIRONMENT, EARTH AND RESOURCES

Course	Title	Hours
<u>EER 1000</u>	Earth: A User's Guide	3
<u>ENVR 1000</u>	Environmental Science 1 - Concepts	3
<u>ENVR 3400</u>	Introduction to Environment and Health	3
<u>ENVR 4400</u>	Advanced Issues in Environment and Health	3
<u>GEOG 1280</u>	Introduction to Human Geography	3
<u>GEOG 1700</u>	Social Justice in the 21st Century: Global Political Economy and Environmental Change	3
<u>GEOG 3870</u>	Food Geographies	3
<u>GEOG 3890</u>	Geography and Wellness (HS)	3

FACULTY OF EDUCATION

Course	Title	Hours
<u>EDUA 1560</u>	Adult Learning and Development	3
<u>EDUA 1570</u>	Foundations of Adult Education	3
<u>EDUA 1580</u>	Program Planning in Adult Education	3
<u>EDUA 1590</u>	Facilitating Adult Education	3

RADY FACULTY OF HEALTH SCIENCES

Course	Title	Hours
<u>HEAL 1600</u>	Health and Health Professions	3
<u>HEAL 4650</u>	Selected Topics in Interdisciplinary Health Research Project in Interdisciplinary Health	3

MAX RADY COLLEGE OF MEDICINE

Course	Title	Hours
<u>BGEN 2000</u>	Medical Cell Biology	3
<u>BGEN 3010</u>	Genetics in Biomedicine	3
<u>BGEN 3022</u>	Introduction to Human Genetics A	3
<u>BGEN 3024</u>	Introduction to Human Genetics B	3
<u>PHGY 1030</u>	Fundamentals of Medical Physiology	6
<u>FMLY 1000</u>	Families in Contemporary Canadian Society	3
<u>FMLY 1010</u>	Human Development in the Family	3
<u>FMLY 1420</u>	Family Management Principles	3
<u>FMLY 2012</u>	Development, Conflict, and Displacement	3
<u>FMLY 2400</u>	Family Financial Health	3
<u>FMLY 2500</u>	Diversity and Families	3
<u>FMLY 2600</u>	Foundations of Childhood Developmental Health	3
<u>FMLY 2650</u>	The Social Aspects of Aging	3
<u>FMLY 2800</u>	Family Violence	3
<u>FMLY 3012</u>	Theories of Social Development	3
<u>FMLY 3220</u>	Death and the Family	3
<u>FMLY 3240</u>	Families in Later Years	3
<u>FMLY 3330</u>	Parenting and Developmental Health	3
<u>FMLY 3400</u>	Families as Consumers	3
<u>FMLY 3470</u>	Selected Studies in the Family I	3
<u>FMLY 3600</u>	Adolescents in Families and Society	3
<u>FMLY 3800</u>	Conflict Resolution in the Family	3
<u>FMLY 3802</u>	Intimate Partner Violence	3
<u>FMLY 3806</u>	Children, Violence and Rights	3
<u>FMLY 4012</u>	Social Development Policies	3
<u>FMLY 4220</u>	Aging and Risk in a Global Context	3
<u>FMLY 4300</u>	Field Experience	6
<u>FMLY 4330</u>	Management of Family Stress	3
<u>FMLY 4400</u>	Family Economics: Poverty and Wealth	3
<u>FMLY 4470</u>	Selected Studies in the Family II	3
<u>FMLY 4480</u>	Work and Family Issues	3
<u>FMLY 4604</u>	Children in Adversity	3
<u>FMLY 4606</u>	A Social Justice Perspective on Indigenous Maternal and Child Health	3
<u>FMLY 4802</u>	Family Violence Prevention	3

COLLEGE OF NURSING

Course	Title	Hours
<u>NURS 2610</u>	Health and Physical Aspects of Aging	3
<u>NURS 3330</u>	Women and Health	3
<u>NURS 3400</u>	Men's Health: Concerns, Issues and Myths	3

Course	Title	Hours
<u>NURS 4520</u>	Professional Foundations 5: Interprofessional and Collaborative Practice	3

FACULTY OF KINESIOLOGY AND RECREATION MANAGEMENT

Course	Title	Hours
<u>KIN 2610</u>	Health and Physical Aspects of Aging	3
<u>KIN 3510</u>	Physical Activity and Aging	3
<u>KPER 1200</u>	Physical Activity, Health and Wellness	3
<u>KPER 2200</u>	Planning Principles	3
<u>KPER 2700</u>	Motor Control and Learning	3
<u>KPER 3100</u>	Inclusive Physical Activity and Leisure	3
<u>REC 2650</u>	The Social Aspects of Aging	3
<u>REC 3220</u>	Program Planning and Evaluation	3
<u>REC 4250</u>	Leisure and Aging	3

FACULTY OF SCIENCE

Course	Title	Hours
<u>BIOL 1300</u>	Economic Plants	3
<u>BIOL 1340</u>	The State of the Earth's Environment: Contemporary Issues	3
<u>BIOL 1410</u>	Anatomy of the Human Body	3
<u>BIOL 1412</u>	Physiology of the Human Body	3
<u>BIOL 3290</u>	Medicinal and Hallucinogenic Plants	3
<u>CHEM 1100</u>	Introductory Chemistry 1: Atomic and Molecular Structure and Energetics	3
<u>CHEM 1110</u>	Introductory Chemistry 2: Interaction, Reactivity, and Chemical Properties	3
<u>CHEM 1120</u>	Introduction to Chemistry Techniques	3
<u>CHEM 1130</u>	Introduction to Organic Chemistry	3
<u>CHEM 2100</u>	Organic Chemistry 1: Foundations of Organic Chemistry	3
<u>CHEM 2110</u>	Organic Chemistry 2: Foundations of Organic Synthesis	3
<u>CHEM 2122</u>	Experimental Organic Chemistry	3
<u>CHEM 2700</u>	Biochemistry 1: Biomolecules and an Introduction to Metabolic Energy	3
<u>CHEM 2710</u>	Biochemistry 2: Catabolism, Synthesis, and Information Pathways	3
<u>CHEM 2720</u>	Principles and Practices of the Modern Biochemistry Laboratory	3
<u>CHEM 2730</u>	Elements of Biochemistry 1	3
<u>CHEM 2740</u>	Introduction to the Biochemistry Laboratory	3
<u>CHEM 2750</u>	Elements of Biochemistry 2	3

Course	Title	Hours
<u>MATH 1010</u>	Applied Finite Mathematics	3
<u>MATH 1020</u>	Mathematics in Art	3
<u>MATH 1080</u>	Fundamentals of Mathematical Reasoning	3
<u>MATH 1090</u>	Mathematical Reasoning in Euclidean Geometry	3
<u>MATH 1220</u>	Linear Algebra 1	3
<u>MATH 1230</u>	Differential Calculus	3
<u>MATH 1300</u>	Vector Geometry and Linear Algebra	3
<u>MATH 1500</u>	Introduction to Calculus	3
<u>MBIO 1010</u>	Microbiology I	3
<u>MBIO 1220</u>	Essentials of Microbiology	3
<u>MBIO 1410</u>	Introduction of Molecular Biology	3
<u>MBIO 2020</u>	Microbiology II	3
<u>MBIO 2420</u>	Introductory Virology	3
<u>MBIO 2700</u>	Biochemistry 1: Biomolecules and an Introduction to Metabolic Energy	3
<u>MBIO 2710</u>	Biochemistry 2: Catabolism, Synthesis, and Information Pathways	3
<u>PHYS 1020</u>	General Physics 1	3
<u>PHYS 1030</u>	General Physics 2	3
<u>PHYS 1050</u>	Physics 1: Mechanics	3
<u>PHYS 1070</u>	Physics 2: Waves and Modern Physics	3
<u>STAT 2000</u>	Basic Statistical Analysis 2	3

FACULTY OF SOCIAL WORK

Course	Title	Hours
<u>SWRK 1200</u>	Introduction to Canadian Social Welfare	3
<u>SWRK 1310</u>	Introduction to Social Welfare Policy Analysis	3
<u>SWRK 2030</u>	Communication and Relational Skills in Social Work	3
<u>SWRK 2040</u>	Social Welfare Policy: Analysis and Advocacy	3
<u>SWRK 2650</u>	The Social Aspects of Aging	3

Concentrations

The Bachelor of Health Studies (B.H.St.) Degree now consists of 3 Concentrations from which students must declare at least one. A Concentration is 18 credit hours. Students must choose from one of the following 3 Concentrations:

1. Health Policy, Planning and Evaluation or
2. Health Promotion and Education or
3. Family Health

Students should consult the Academic Calendar to ensure that they have the appropriate pre- or co-requisites before they attempt to register in a course. A number of courses are cross-listed between departments/faculties. Students are strongly encouraged to seek the advice of Academic Advisor in the Interdisciplinary Health Program in order to plan their programs. The curriculum of this program integrates social science concepts, such as sociology and economics with science concepts, such as biology and metabolism. The integration supports the promotion of health by creating a new understanding among graduates of the determinants of health and how these determinants influence the health of individuals, families, and communities, as well as health services. This degree combines knowledge from science and social science disciplines in their content and learning experiences.

Health Policy, Planning and Evaluation Concentration

The **Health Policy, Planning, and Evaluation** concentration can provide foundational knowledge related to health policy development and related evaluation, as well as programming services. This concentration can be a potential route for those wishing to pursue related graduate studies in Community Health Sciences (although students in all three concentrations are eligible to pursue graduate studies), or for individuals seeking careers in areas such as Health Policy Analysis or Program Planning and Evaluation Coordinators.

HEALTH POLICY, PLANNING AND EVALUATION CONCENTRATION ELECTIVES LIST

Course	Title	Hours
<u>ABIZ 1010</u>	Economics of World Food Issues and Policies	3
<u>ACC 1100</u>	Introductory Financial Accounting	3
<u>ANTH 2560</u>	Anthropology of Illness	3
<u>ECON 3690</u>	Economic Issues of Health Policy	3
<u>ECON 3692</u>	Economic Determinants of Health	3
<u>ENVR 3400</u>	Introduction to Environment and Health	3
<u>ENVR 4400</u>	Advanced Issues in Environment and Health	3
<u>FMLY 4012</u>	Social Development Policies	3
<u>GEOG 1280</u>	Introduction to Human Geography	3

Course	Title	Hours
<u>GEOG 1700</u>	Social Justice in the 21st Century: Global Political Economy and Environmental Change	3
<u>GEOG 2640</u>	Geography of Culture and Inequality (HS)	3
<u>HNSC 1200</u>	Food: Facts and Fallacies	3
<u>HNSC 3350</u>	Culture and Food Patterns	3
<u>HNSC 3870</u>	Food Geographies	3
<u>INDG 2100</u>	Indigenous Spirituality	3
<u>INDG 3100</u>	Indigenous Healing Ways	3
<u>KIN/NURS 2610</u>	Health and Physical Aspects of Aging	3
<u>KPER 1200</u>	Physical Activity, Health and Wellness	3
<u>KPER 2200</u>	Planning Principles	3
<u>LABR 1260</u>	Working for a Living	3
<u>LABR 3060</u>	Workplace Health and Safety	3
<u>LEAD 2010</u>	Learning to Lead	3
<u>LEAD 3010</u>	Negotiation and Conflict Management	3
<u>LEAD 4020</u>	Leadership, Power and Politics in Organizations	3
<u>PSYC 2260</u>	Introduction to Research Methods in Psychology	3
<u>PSYC 2540</u>	Social Psychology	3
<u>PSYC 3130</u>	Introduction to Health Psychology	3
<u>REC 3220</u>	Program Planning and Evaluation	3
<u>SOC 2390</u>	Social Organization	3
<u>SOC 2630</u>	Social Change	3
<u>SOC 3540</u>	The Sociology of Health Care Systems	3
<u>STAT 2000</u>	Basic Statistical Analysis 2	3
<u>SWRK 1200</u>	Introduction to Canadian Social Welfare	3
<u>SWRK 1310</u>	Introduction to Social Welfare Policy Analysis	3
<u>SWRK 2030</u>	Communication and Relational Skills in Social Work	3
<u>SWRK 2040</u>	Social Welfare Policy: Analysis and Advocacy	3

Requirements for the Health Sciences Minor

Course	Title	Hours
<u>HEAL 2600</u>	Integration of Health Determinants of Individuals	3
<u>HEAL 3600</u>	Integration of Health Determinants for Communities	3
<u>HEAL 4600</u>	Integration of Health Determinants for Canada and the World	3
Select 6 credit hours of Science Electives ^{1,2} Orientation courses at the 3000 or 4000 level from the list below		6
Select 3 credit hours of Social Science Electives ^{1,2} Orientation courses at the 3000 or 4000 level from the list below		3
Total Hours		18

¹All elective courses for the Health Sciences minor must be at the 3000 or 4000 level.

²Equivalent courses offered through Université de Saint-Boniface may be used in lieu of the specified courses identified in the Electives list.

Students should consult the Academic Calendar to ensure that they have the appropriate pre- or co-requisites before they attempt to register in a course.

Health Sciences Minor – Electives list

SCIENCE ELECTIVES

Faculty of Agricultural and Food Sciences

Course	Title	Hours
FOOD 4150	Food Microbiology 1	3

Clayton H. Riddell Faculty of Environment, Earth and Resources

ENVR 3400	Introduction to Environment and Health	3
ENVR 4400	Advanced Issues in Environment and Health	3

Rady Faculty of Health Sciences

Max Rady College of Medicine

Course	Title	Hours
BGEN 3010	Genetics in Biomedicine	3
BGEN 3022	Introduction to Human Genetics A	3
BGEN 3024	Introduction to Human Genetics B	3
PHAC 3000	Foundations of Pharmacology	3
PHAC 4030	Drugs in Human Disease I	3
PHAC 4040	Drugs in Human Disease II	3

Faculty of Science

Course	Title	Hours
BIOL 3290	Medicinal and Hallucinogenic Plants	3
STAT 3000	Applied Linear Statistical Models	3

SOCIAL SCIENCE ELECTIVES

Faculty of Agricultural and Food Sciences

Course	Title	Hours
ABIZ 3550	Environmental Policy	3
HNSC 3350	Culture and Food Patterns	3
HNSC 3870	Food Geographies	3

Faculty of Arts

Course	Title	Hours
ANTH 3200	Anthropology of Food	3
ANTH 3320	Women in Cross-Cultural Perspective	3
ANTH 3500	Peoples of the Arctic Archaeology of Inuit Nunangat	3
ANTH 3550	Canadian Subcultures	3
ANTH 3740	Human Growth and Variation	3
ANTH 3750	Anthropological Perspectives on Globalization and the World-System	3
ECON 3690	Economic Issues of Health Policy	3
ECON 3692	Economic Determinants of Health	3
INDG 3100	Indigenous Healing Ways	3
INDG 3150	Residential School Literature	3
INDG 3240	Indigenous Medicine and Health	3
INDG 3300	Indigenous Language Planning and Development	3
LABR 3060	Workplace Health and Safety	3
LABR 3070	Labour Relations and Occupational Health and Safety Law	3
PSYC 3070	Adult Development	3
PSYC 3130	Introduction to Health Psychology	3
PSYC 3150	Behaviour Modification Applications	3
PSYC 3160	Perception and Attention	3
PSYC 3310	Adolescent Development	3
PSYC 3390	Thinking	3
PSYC 3430	Sensory Processes	3
PSYC 3470	Dyadic Relations	3
PSYC 3490	Individual Differences	3
PSYC 3580	Language and Thought	3
SOC 3310	Theorizing Crime, Law, and Social Justice	3
SOC 3370	Sociology of Work	3
SOC 3380	Power, Politics and the Welfare State	3
SOC 3400	Policing and Crime Prevention	3
SOC 3540	The Sociology of Health Care Systems	3
SOC 3660	Sociology of Mental Disorder	3
SOC 3730	Society and Education	3

Course	Title	Hours
<u>SOC 3750</u>	Institutional Responses to Violence in Family and Intimate Relationships	3
<u>SOC 3770</u>	Women, Health and Medicine	3
<u>SOC 3790</u>	Women, Crime and Social Justice	3
<u>SOC 3810</u>	Sociological Perspectives on Gender and Sexuality	3
<u>SOC 3820</u>	Qualitative and Historical Methods in Sociology	3
<u>SOC 3830</u>	Youth, Crime, and Society	3
<u>SOC 3840</u>	Community and Social Reconstruction	3
<u>SOC 3860</u>	Genocide, Crime and Society	3
<u>SOC 3890</u>	Power and Inequality in Comparative Perspective	3
<u>WOMN 3000</u>	Interdisciplinary Research in Women's and Gender Studies	3
<u>WOMN 3560</u>	Feminist Perspectives on Violence Against Women	3

I. H. Asper School of Business

Course	Title	Hours
<u>HRIR 3450</u>	Labour and Employment Relations	3
<u>LEAD 3010</u>	Negotiation and Conflict Management	3
<u>LEAD 4020</u>	Leadership, Power and Politics in Organizations	3

Clayton H. Riddell Faculty of Environment, Earth and Resources

Course	Title	Hours
<u>GEOG 3870</u>	Food Geographies	3
<u>GEOG 3890</u>	Geography and Wellness (HS)	3

Faculty of Kinesiology and Recreation Management

Course	Title	Hours
<u>KIN 3510</u>	Physical Activity and Aging	3
<u>KPER 3100</u>	Inclusive Physical Activity and Leisure	3
<u>REC 3220</u>	Program Planning and Evaluation	3
<u>REC 4250</u>	Leisure and Aging	3

**Rady Faculty of Health Sciences
Max Rady College of Medicine**

Course	Title	Hours
FMLY 3012	Theories of Social Development	3
FMLY 3220	Death and the Family	3
FMLY 3240	Families in Later Years	3
FMLY 3330	Parenting and Developmental Health	3
FMLY 3400	Families as Consumers	3
FMLY 3470	Selected Studies in the Family I	3
FMLY 3600	Adolescents in Families and Society	3
FMLY 3800	Conflict Resolution in the Family	3
FMLY 3802	Intimate Partner Violence	3
FMLY 3806	Children, Violence and Rights	3
FMLY 4012	Social Development Policies	3
FMLY 4220	Aging and Risk in a Global Context	3
FMLY 4330	Management of Family Stress	3
FMLY 4400	Family Economics: Poverty and Wealth	3
FMLY 4470	Selected Studies in the Family II	3
FMLY 4480	Work and Family Issues	3
FMLY 4604	Children in Adversity	3
FMLY 4606	A Social Justice Perspective on Indigenous Maternal and Child Health	3
FMLY 4802	Family Violence Prevention	3

College of Nursing

Course	Title	Hours
NURS 4520	Professional Foundations 5: Interprofessional and Collaborative Practice	3

Requirements for the Health Studies Minor

Course	Title	Hours
<u>HEAL 2600</u>	Integration of Health Determinants of Individuals	3
<u>HEAL 3600</u>	Integration of Health Determinants for Communities	3
<u>HEAL 4600</u>	Integration of Health Determinants for Canada and the World	3
Select 6 credit hours of Social Science Electives ^{1,2} Orientation courses at the 3000 or 4000 level from the list below		6
Select 3 credit hours of Science Electives ^{1,2} Orientation courses at the 3000 or 4000 level from the list below		3
Total Hours		18

¹All elective courses for the Health Sciences minor must be at the 3000 or 4000 level.

²Equivalent courses offered through Université de Saint-Boniface may be used in lieu of the specified courses identified in the Electives list.

Students should consult the Academic Calendar to ensure that they have the appropriate pre- or co-requisites before they attempt to register in a course.

Health Studies Minor – Electives list

SCIENCE ELECTIVES

Faculty of Agricultural and Food Sciences

Course	Title	Hours
FOOD 4150	Food Microbiology 1	3

Clayton H. Riddell Faculty of Environment, Earth and Resources

ENVR 3400	Introduction to Environment and Health	3
ENVR 4400	Advanced Issues in Environment and Health	3

Rady Faculty of Health Sciences

Max Rady College of Medicine

Course	Title	Hours
BGEN 3010	Genetics in Biomedicine	3
BGEN 3022	Introduction to Human Genetics A	3
BGEN 3024	Introduction to Human Genetics B	3
PHAC 3000	Foundations of Pharmacology	3
PHAC 4030	Drugs in Human Disease I	3
PHAC 4040	Drugs in Human Disease II	3

Faculty of Science

Course	Title	Hours
BIOL 3290	Medicinal and Hallucinogenic Plants	3
STAT 3000	Applied Linear Statistical Models	3

SOCIAL SCIENCE ELECTIVES

Faculty of Agricultural and Food Sciences

Course	Title	Hours
ABIZ 3550	Environmental Policy	3
HNSC 3350	Culture and Food Patterns	3
HNSC 3870	Food Geographies	3

Faculty of Arts

Course	Title	Hours
ANTH 3200	Anthropology of Food	3
ANTH 3320	Women in Cross-Cultural Perspective	3
ANTH 3500	Peoples of the Arctic Archaeology of Inuit Nunangat	3
ANTH 3550	Canadian Subcultures	3
ANTH 3740	Human Growth and Variation	3
ANTH 3750	Anthropological Perspectives on Globalization and the World-System	3
ECON 3690	Economic Issues of Health Policy	3
ECON 3692	Economic Determinants of Health	3
INDG 3100	Indigenous Healing Ways	3
INDG 3150	Residential School Literature	3
INDG 3240	Indigenous Medicine and Health	3
INDG 3300	Indigenous Language Planning and Development	3
LABR 3060	Workplace Health and Safety	3
LABR 3070	Labour Relations and Occupational Health and Safety Law	3
PSYC 3070	Adult Development	3
PSYC 3130	Introduction to Health Psychology	3
PSYC 3150	Behaviour Modification Applications	3
PSYC 3160	Perception and Attention	3
PSYC 3310	Adolescent Development	3
PSYC 3390	Thinking	3
PSYC 3430	Sensory Processes	3
PSYC 3470	Dyadic Relations	3
PSYC 3490	Individual Differences	3
PSYC 3580	Language and Thought	3
SOC 3310	Theorizing Crime, Law, and Social Justice	3
SOC 3370	Sociology of Work	3
SOC 3380	Power, Politics and the Welfare State	3
SOC 3400	Policing and Crime Prevention	3
SOC 3540	The Sociology of Health Care Systems	3
SOC 3660	Sociology of Mental Disorder	3
SOC 3730	Society and Education	3

Course	Title	Hours
<u>SOC 3750</u>	Institutional Responses to Violence in Family and Intimate Relationships	3
<u>SOC 3770</u>	Women, Health and Medicine	3
<u>SOC 3790</u>	Women, Crime and Social Justice	3
<u>SOC 3810</u>	Sociological Perspectives on Gender and Sexuality	3
<u>SOC 3820</u>	Qualitative and Historical Methods in Sociology	3
<u>SOC 3830</u>	Youth, Crime, and Society	3
<u>SOC 3840</u>	Community and Social Reconstruction	3
<u>SOC 3860</u>	Genocide, Crime and Society	3
<u>SOC 3890</u>	Power and Inequality in Comparative Perspective	3
<u>WOMN 3000</u>	Interdisciplinary Research in Women's and Gender Studies	3
<u>WOMN 3560</u>	Feminist Perspectives on Violence Against Women	3

I. H. Asper School of Business

Course	Title	Hours
<u>HRIR 3450</u>	Labour and Employment Relations	3
<u>LEAD 3010</u>	Negotiation and Conflict Management	3
<u>LEAD 4020</u>	Leadership, Power and Politics in Organizations	3

Clayton H. Riddell Faculty of Environment, Earth and Resources

Course	Title	Hours
<u>GEOG 3870</u>	Food Geographies	3
<u>GEOG 3890</u>	Geography and Wellness (HS)	3

Faculty of Kinesiology and Recreation Management

Course	Title	Hours
<u>KIN 3510</u>	Physical Activity and Aging	3
<u>KPER 3100</u>	Inclusive Physical Activity and Leisure	3
<u>REC 3220</u>	Program Planning and Evaluation	3
<u>REC 4250</u>	Leisure and Aging	3

Rady Faculty of Health Sciences
Max Rady College of Medicine

Course	Title	Hours
FMLY 3012	Theories of Social Development	3
FMLY 3220	Death and the Family	3
FMLY 3240	Families in Later Years	3
FMLY 3330	Parenting and Developmental Health	3
FMLY 3400	Families as Consumers	3
FMLY 3470	Selected Studies in the Family I	3
FMLY 3600	Adolescents in Families and Society	3
FMLY 3800	Conflict Resolution in the Family	3
FMLY 3802	Intimate Partner Violence	3
FMLY 3806	Children, Violence and Rights	3
FMLY 4012	Social Development Policies	3
FMLY 4220	Aging and Risk in a Global Context	3
FMLY 4330	Management of Family Stress	3
FMLY 4400	Family Economics: Poverty and Wealth	3
FMLY 4470	Selected Studies in the Family II	3
FMLY 4480	Work and Family Issues	3
FMLY 4604	Children in Adversity	3
FMLY 4606	A Social Justice Perspective on Indigenous Maternal and Child Health	3
FMLY 4802	Family Violence Prevention	3

College of Nursing

Course	Title	Hours
NURS 4520	Professional Foundations 5: Interprofessional and Collaborative Practice	3

Faculty of Management

Introduction:

FIN 1010 Introduction to Personal Finance 3 cr +3.0

This course covers the basic concepts, principles, and practices related to personal finance. Based on the time value of money principles, this course teaches basic methods and skills to assess and manage personal financial issues related to various aspects of life such as tax, banking, home, insurance, investment, and retirement. Not for credit in B.Comm.(Hons.) program.

Modification:

IDM 2982 Co-op Work Term 1 1 cr 0.0

Work assignment in business, industry, or government for students registered in the Asper School of Business co-operative option. For Asper students only. May not be held with IDM 2983 or with the former IDM 2980. Prerequisite: IDM 1010 (C+) and written permission from the Asper School of Business Co-operative Education Office.

NET CHANGE IN CREDIT HOURS: +3.0

Faculty of Music

Introductions:

MUSC 3040 Perspectives on Indigenous Music 3 cr +3.0

The goal of this course is to provide a functional understanding of how Indigenous communities create music while being impacted by settler colonialism. Students will learn to situate themselves within the land they reside upon and will discuss Indigenous histories of what is presently called the Winnipeg region. Students will survey the major Indigenous groups in Canada and will be introduced to Anishinaabeg worldviews and philosophies. Students will learn about different genres of music practiced by Indigenous artists and interrogate notions of appropriation and collaboration. May not be held with MUSC 3820 when titled Perspectives on Indigenous Music.

MUSC 3060 Popular Music Analysis 3 cr +3.0

A survey of current analytic approaches to popular music (broadly defined), including investigations into rhythm/metre, form, melody/harmony, lyrics, and texture/timbre. Issues of notation, aesthetics, social/cultural context, and performance practice will be addressed through listening and transcription exercises, analysis of recordings/videos, and reading assignments. Prerequisites: (MUSC 2394 or MUSC 2388) and (MUSC 2120 or MUSC 2122). May not be held with MUSC 3820 when titled Popular Music Analysis.

Modifications:

MUSC 1110 Music Theory 1 3 cr 0.0

An introduction to the analysis and composition of music from a variety of traditions, with focus on the basic structuring elements of time (rhythm, metre, form) and space (pitch, timbre, scales/modes, intervals, melody, counterpoint, chords/harmony, texture). This course is normally restricted to students admitted to the Bachelor of Music or Bachelor of Jazz Studies

programs. Non-Music students will only be admitted if there is sufficient room in the class.
Prerequisite: MUSC 1930 or a passing grade on the Faculty of Music Theory Entrance Test.

MUSC 1120 Music Theory 2 3 cr 0.0

Analysis and composition of harmonic and melodic entities, functions, and progressions, with focus on elaboration via the principles of counterpoint, beginning in diatonicism and progressing to chromaticism via tonicization of closely related keys. Study of small-scale formal organization in a variety of repertoire. Prerequisite: MUSC 1110.

MUSC 1180 Ensemble 2 cr 0.0

Participation in University Symphony Orchestra, University Wind Ensemble, Upper Voices, Concert Choir, University Jazz Orchestra, University Concert Band or University Singers, as is appropriate to the student's major practical study area. (Ensemble audition normally required. Check audition requirements for specific ensembles on the Faculty website.)

MUSC 1190 Ensemble 2 cr 0.0

Participation in a Faculty of Music Ensemble other than the one designated in MUSC 1180 or MUSC 1184 appropriate to the student's major practical study area (Ensemble audition normally required. Check audition requirements for specific ensembles on the Faculty website.)

MUSC 2110 Music Theory 3 3 cr 0.0

Analysis and composition of the chromatic harmony that is typical of 18th- and 19th-century Western art music, but also employed in other styles. Further study of small- and medium-scale formal structures including binary forms. Prerequisite: MUSC 1120.

MUSC 2120 Music Theory 4 3 cr 0.0

Detailed analysis of large forms such as ternary, rondo, sonata, and song forms. Analysis and composition involving melodic, harmonic, rhythmic, and other techniques that are typical of 20th-century Western art music, but also employed in other styles. Prerequisite: MUSC 2110.

MUSC 2180 Ensemble 2 cr 0.0

Participation in University Symphony Orchestra, University Wind Ensemble, Upper Voices, Concert Choir, University Jazz Orchestra, University Concert Band or University Singers, as is appropriate to the student's major practical study area. (Ensemble audition normally required. Check audition requirements for specific ensembles on the Faculty website.)

MUSC 2190 Ensemble 2 cr 0.0

Participation in a Faculty of Music Ensemble other than the one designated in MUSC 2180 or MUSC 2184 appropriate to the student's major practical study area. (Ensemble audition normally required. Check audition requirements for specific ensembles on the Faculty website.) Prerequisite: MUSC 1190 or consent of the Faculty of Music.

MUSC 2460 Conducting 3 cr 0.0

The principles and development of baton technique and expressive gestures. Fundamentals of vocal and instrumental score reading, preparation and interpretation. Prerequisites: MUSC 1014 and MUSC 1110, or consent of the Faculty of Music.

MUSC 3180 Ensemble 2 cr 0.0

Participation in University Symphony Orchestra, University Wind Ensemble, Upper Voices, Concert Choir, University Jazz Orchestra, University Concert Band or University Singers, as is

appropriate to the student's major practical study area and/or program. (Ensemble audition normally required. Check audition requirements for specific ensembles on the Faculty website.)

MUSC 3190 Ensemble 2 cr 0.0

Participation in a Faculty of Music Ensemble other than the one designated in MUSC 3180 or MUSC 3184 appropriate to the student's major practical study area and/or program (Ensemble audition normally required. Check audition requirements for specific ensembles on the Faculty website.) Prerequisite: MUSC 2190 or consent of the Faculty of Music.

MUSC 3200 Orff Schulwerk 1 6 cr 0.0

(Lab required) The philosophy, techniques and materials in Orff-Schulwerk, including practical activities in the areas of Basic Orff, creative movement, recorder, aural skills, and choral techniques. Applicants should have a working knowledge of music rudiments. May not be held with the former MUSC 3130 or the former MUSC 3106, or MUSC 3360 when titled Choral, Recorder and Movement. Prerequisite: MUSC 1930 or MUSC 1110, or consent of instructor.

MUSC 3220 Kodály Music Education 1 6 cr 0.0

(Lab required) An introduction to contemporary Kodály- inspired pedagogy for preschool and early years contexts. In addition to exploring philosophy, practice, and materials for music teaching and learning, course participants will have opportunities to develop their personal vocal, musicianship and conducting skills in the lab component. May not be held with the former MUSC 3108 or MUSC 3360 when titled Kodály 1: Pedagogy and Materials. Prerequisite: MUSC 1930 or MUSC 1110, or consent of the Instructor.

MUSC 4180 Ensemble 2 cr 0.0

Participation in University Symphony Orchestra, University Wind Ensemble, Upper Voices, Concert Choir, University Jazz Orchestra, University Concert Band or University Singers, as is appropriate to the student's major practical study area and/or program. (Ensemble audition normally required. Check audition requirements for specific ensembles on the Faculty website.)

MUSC 4190 Ensemble 2 cr 0.0

Participation in a Faculty of Music Ensemble other than the one designated in MUSC 4180 or MUSC 4184 appropriate to the student's major practical study area and/or program (Ensemble audition normally required. Check audition requirements for specific ensembles on the Faculty website.) Prerequisite: MUSC 3190 or consent of the Faculty of Music.

MUSC 5180 Ensemble 3 cr 0.0

Participation in a Faculty of Music ensemble as is appropriate to the student's major applied area. (Ensemble audition normally required. Check audition requirements for specific ensembles on the Faculty website.)

NET CHANGE IN CREDIT HOURS: +6.0

Program modifications:

Modifications to the following programs are set out on the next 22 pages:

- **Bachelor of Music (Composition)**
- **Bachelor of Music (General)**
- **Bachelor of Music (History)**
- **Bachelor of Music (Performance)**
- **Bachelor of Music (Music Education)**
- **Bachelor of Jazz Studies**

Electives: Third & Fourth Years, B.Mus. (Composition, General, History, Music Education, Performance), B.Jazz Studies

Course	Title	Hours
MUSC 1020	Introduction to Popular Music	3
MUSC 1030	History of Musical Theatre	3
MUSC 1112	Jazz Theory 1	3
MUSC 1460	Minor Practical Study	3
<u>MUSC 2072</u>	Jazz History 1	3
<u>MUSC 2082</u>	Jazz History 2	3
<u>MUSC 2100</u>	Introduction to Music Teaching and Learning	3
<u>MUSC 2110</u>	Music Theory 3	3
<u>MUSC 2120</u>	Music Theory 4	3
<u>MUSC 2122</u>	Jazz Theory 2	3
<u>MUSC 2460</u>	Conducting	3
MUSC 2480	Minor Practical Study	3
MUSC 3010	Advanced Diction 1	3
MUSC 3012	Advanced Diction 2	3
MUSC 3034	Medieval Music History	3
MUSC 3040	Perspectives on Indigenous Music	3
MUSC 3044	Renaissance Music History	3
<u>MUSC 3050</u>	Research Methods	3
MUSC 3056	Plainchant and Liturgy in Medieval Europe	3
MUSC 3060	Popular Music Analysis	3
<u>MUSC 3064</u>	Baroque Music History	3
<u>MUSC 3074</u>	Classical Music History	3
<u>MUSC 3084</u>	Romantic Music History	3
<u>MUSC 3090</u>	Introduction to Ethnomusicology	3
<u>MUSC 3100</u>	Opera Repertoire	3
MUSC 3102	Composition, Technology and Improvisation for Music Educators	3
<u>MUSC 3104</u>	History of Opera 1: from Monteverdi to Mozart	3
<u>MUSC 3114</u>	History of Opera II: from Mozart to the Modern Era	3
MUSC 3116	Standard Orchestral Excerpts and Solos 1 (Cello and Bass)	3
MUSC 3118	Standard Orchestral Excerpts and Solos 2 (Cello and Bass)	3
<u>MUSC 3150</u>	Orchestration	3
<u>MUSC 3200</u>	Orff Schulwerk 1	6
MUSC 3210	Orff Schulwerk 2	6
<u>MUSC 3220</u>	Kodály Music Education 1	6
<u>MUSC 3222</u>	Kodály Music Education 2	6

Course	Title	Hours
<u>MUSC 3230</u>	Acoustics of Music (fulfills University "M" requirement)	3
<u>MUSC 3270</u>	Performance Skills	3
<u>MUSC 3360</u>	Topics in Music Education	3
<u>MUSC 3380</u>	From Rock to Rap and Beyond: A History of Popular Music in the Later 20th Century	3
<u>MUSC 3390</u>	From Ragtime to Rock 'n' Roll: A History of Popular Music in the 20th Century	3
<u>MUSC 3404</u>	From New Wave to Rave: A History of Popular Music in the Late 20th Century	3
<u>MUSC 3480</u>	Minor Practical Study	3
<u>MUSC 3620</u>	Independent Study 1	3
<u>MUSC 3650</u>	Electroacoustic Music	3
<u>MUSC 3690</u>	Percussion Techniques	3
<u>MUSC 3730</u>	Early Music Development	3
<u>MUSC 3772</u>	Vocal Pedagogy for Choirs	3
<u>MUSC 3780</u>	Woodwind Techniques	3
<u>MUSC 3790</u>	Brass Techniques	3
<u>MUSC 3800</u>	String Techniques	3
<u>MUSC 3820</u>	Topics in Music	3
<u>MUSC 3830</u>	Topics in Music	3
<u>MUSC 3884</u>	Introduction to Jazz for Music Educators	3
<u>MUSC 3894</u>	Guitar Techniques	3
<u>MUSC 3964</u>	History of Western Art Music After 1900	3
<u>MUSC 3974</u>	Music Theory After 1900	3
<u>MUSC 3992</u>	Advanced Counterpoint	3
<u>MUSC 4010</u>	French Diction and Repertoire	3
<u>MUSC 4020</u>	Italian Diction and Repertoire	3
<u>MUSC 4030</u>	German Diction and Repertoire	3
<u>MUSC 4130</u>	History of Women in Music	3
<u>MUSC 4140</u>	History of Canadian Music	3
<u>MUSC 4156</u>	Choral Music Literature and Programming	3
<u>MUSC 4212</u>	Orff Schulwerk 3	6
<u>MUSC 4224</u>	Kodály Music Education 3	6
<u>MUSC 4330</u>	Advanced Analysis	3
<u>MUSC 4360</u>	Wind Repertoire	3
<u>MUSC 4370</u>	Wind Conducting Techniques	3
<u>MUSC 4380</u>	Piano Repertoire	3
<u>MUSC 4390</u>	Piano Chamber Music Literature Seminar	3
<u>MUSC 4430</u>	Pedagogy and Repertoire	3
<u>MUSC 4440</u>	Vocal Pedagogy	3

Course	Title	Hours
MUSC 4452	Jazz Pedagogy	3
<u>MUSC 4480</u>	Minor Practical Study	3
<u>MUSC 4490</u>	Piano Pedagogy	3
<u>MUSC 4520</u>	Coaching Skills	3
<u>MUSC 4530</u>	Operatic Piano	3
<u>MUSC 4630</u>	20th to 21st Century Piano Repertoire	3
<u>MUSC 4650</u>	Interactive Computer Music	3
<u>MUSC 4660</u>	Computer Assisted Composition	3
<u>MUSC 4752</u>	Elementary and Middle Years Choral Methods	3
<u>MUSC 4762</u>	Senior Years and Community Choral Methods	3
<u>MUSC 4772</u>	Instrumental Music Methods 1	3
<u>MUSC 4782</u>	Instrumental Music Methods 2	3
<u>MUSC 4894</u>	Advanced Guitar Techniques	3
<u>MUSC 4896</u>	Cultural Perspectives for Music Educators	3

MUSIC THEORY ELECTIVES

In addition to the required Music Theory courses (MUSC 1110, MUSC 1120, MUSC 2110, MUSC 2120, and MUSC 3974), students in the B.Mus. General, Composition and History programs must choose one additional Music Theory elective (3 credit hours) from the list below.

Note: Not all of the listed courses will be offered every year.

Course	Title	Hours
MUSC 1112	Jazz Theory 1	3
MUSC 2122	Jazz Theory 2	3
MUSC 3060	Popular Music Analysis	3
MUSC 3150	Orchestration	3
MUSC 3650	Electroacoustic Music	3
MUSC 3820 or MUSC 3830	Topics in Music (Note: these courses only qualify as Music Theory electives when the course topic involves music theory or analysis)	3
MUSC 3992	Advanced Counterpoint	3
MUSC 4330	Advanced Analysis	3
MUSC 7200	Proseminar in Music Theory (with permission of instructor)	3

Music Education, B.Mus.

Degree Requirements

Early Years Concentration

Year 1		Hours
<u>MUSC 1004</u>	Introduction to Music in History 1	3
<u>MUSC 1014</u>	Introduction to Music in History 2	3
<u>MUSC 1110</u>	Music Theory 1	3
<u>MUSC 1120</u>	Music Theory 2	3
<u>MUSC 1180</u>	Ensemble	2
<u>MUSC 1190</u>	Ensemble	2
<u>MUSC 1384</u>	Musicianship 1	2
<u>MUSC 1394</u>	Musicianship 2	2
<u>MUSC 1400</u>	Major Practical Study	6
Select one Mathematics Requirement course ¹		3
Select one Written English Requirement course ¹		3
Hours		32
Year 2		
<u>MUSC 2100</u>	Introduction to Music Teaching and Learning	3
<u>MUSC 2110</u>	Music Theory 3	3
<u>MUSC 2120</u>	Music Theory 4	3
<u>MUSC 2180</u>	Ensemble	2
<u>MUSC 2190</u>	Ensemble	2
<u>MUSC 2384</u>	Musicianship 3	2
<u>MUSC 2394</u>	Musicianship 4	2
<u>MUSC 2400</u>	Major Practical Study	6
<u>MUSC 2460</u>	Conducting	3

Select two Breadth Requirement courses	Non-Music electives ¹	6
Select one Music History Elective²		3
Hours		35
Year 3		
<u>MUSC 3102</u>	Composition, Technology and Improvisation for Music Educators	3
<u>MUSC 3200</u>	Orff Schulwerk 1 (Summer Term)	6
or <u>MUSC 3220</u> or Kodály Music Education 1		
<u>MUSC 3180</u>	Ensemble	2
<u>MUSC 3190</u>	Ensemble	2
<u>MUSC 3470</u>	Major Practical Study	6
<u>MUSC 3772</u>	Vocal Pedagogy for Choirs	3
<u>MUSC 4752</u>	Elementary and Middle Years Choral Methods	3
Select two Teachable Minor courses	Four Non-music electives ¹	6 12
Select two Breadth Requirement courses		6
Hours		37
Year 4		
<u>MUSC 3730</u>	Early Music Development	3
<u>MUSC 4160</u>	Major Practical Study	3
<u>MUSC 4180</u>	Ensemble	2
<u>MUSC 4190</u>	Ensemble	2
<u>MUSC 4896</u>	Cultural Perspectives for Music Educators	3
Select two Teachable Minor courses	Four Non-music electives ¹	6 12
Select two Breadth Requirement courses		6
Select one Music History Elective²		3
Hours		28
Total Hours		132

¹ Can be used to fulfil the ~~breadth component~~ **Faculty of Education's breadth or teachable minor requirements. (See Faculty of Education admission requirements for the Bachelor of Education.)**

² **See list of Music History Electives**

FACULTY OF EDUCATION REQUIREMENTS FOR BREADTH COMPONENT EFFECTIVE 2018-2019

- 6 credit hours of English Literature and/or French Literature
- 6 credit hours of Social Studies (History and/or Geography)
- 12 credit hours of Mathematics & Science comprised of:
 - o 6 credit hours of Mathematics or Statistics
 - o 6 credit hours from Science: Biology, Chemistry, Environmental Science, Geological Science or Physics

Early Years Concentration (With "W" or "Math" Requirement as Teachable Minor)

Year 1		Hours
MUSC 1004	Introduction to Music in History 1	3
MUSC 1014	Introduction to Music in History 2	3
MUSC 1110	Music Theory 1	3
MUSC 1120	Music Theory 2	3
MUSC 1180	Ensemble	2
MUSC 1190	Ensemble	2
MUSC 1384	Musicianship 1	2
MUSC 1394	Musicianship 2	2
MUSC 1400	Major Practical Study	6
Select one Mathematics Requirement course¹		3
Select one Written English Requirement course¹		3
- Hours		32
Year 2		
MUSC 2100	Introduction to Music Teaching and Learning	3
MUSC 2110	Music Theory 3	3

<u>MUSC 2120</u>	Music Theory 4	3
<u>MUSC 2180</u>	Ensemble	2
<u>MUSC 2190</u>	Ensemble	2
<u>MUSC 2384</u>	Musicianship 3	2
<u>MUSC 2394</u>	Musicianship 4	2
<u>MUSC 2400</u>	Major Practical Study	6
<u>MUSC 2460</u>	Conducting	3
Select two Breadth Requirement courses		6
Music History Elective		3
-	Hours	35
Year 3		
<u>MUSC 3102</u>	Composition, Technology and Improvisation for Music Educators	3
<u>MUSC 3200</u>	Orff Schulwerk 1 (Summer Term)	6
or <u>MUSC 3220</u> or Kodály Music Education 1		
<u>MUSC 3180</u>	Ensemble	2
<u>MUSC 3190</u>	Ensemble	2
<u>MUSC 3470</u>	Major Practical Study	6
<u>MUSC 3772</u>	Vocal Pedagogy for Choirs	3
<u>MUSC 4752</u>	Elementary and Middle Years Choral Methods	3
Select two Teachable Minor courses		6
Select two Breadth Requirement courses		6
-	Hours	37
Year 4		
<u>MUSC 3730</u>	Early Music Development	3
Select one of the following options:		6
Option 1:		-
<u>MUSC 4470</u>	Major Practical Study	-

Option 2:	-
<u>MUSC 4160</u> Major Practical Study	-
MUSC XXXX Music Elective	-
<u>MUSC 4180</u> Ensemble	2
<u>MUSC 4190</u> Ensemble	2
<u>MUSC 4896</u> Cultural Perspectives for Music Educators	3
Select one Teachable Minor course	3
Select two Breadth Requirement courses	6
Select one Music History Musicology Elective	3
- Hours	28
- Total Hours	132

Plan of Study Grid

[†] Can be used to fulfill the breadth component (Math requirement may not be MUSC 3230)

~~REQUIREMENTS FOR BREADTH COMPONENT EFFECTIVE 2018-2019~~

- ~~6 credit hours of English Literature and/or French Literature~~
- ~~6 credit hours of Social Studies (History and/or Geography)~~
- ~~12 credit hours of Mathematics & Science comprised of:~~
 - ~~6 credit hours of Mathematics or Statistics~~
 - ~~6 credit hours from Science: Biology, Chemistry, Environmental Science, Geological Science or Physics~~

Instrumental Concentration

Year 1	Hours
<u>MUSC 1004</u> Introduction to Music in History 1	3
<u>MUSC 1014</u> Introduction to Music in History 2	3
<u>MUSC 1110</u> Music Theory 1	3
<u>MUSC 1120</u> Music Theory 2	3
<u>MUSC 1180</u> Ensemble	2
<u>MUSC 1190</u> Ensemble	2

<u>MUSC 1384</u> Musicianship 1	2
<u>MUSC 1394</u> Musicianship 2	2
<u>MUSC 1400</u> Major Practical Study	6
Select one Mathematics Requirement course ¹	3
Select one Written English Requirement course ¹	3
Hours	32
Year 2	
<u>MUSC 2100</u> Introduction to Music Teaching and Learning	3
<u>MUSC 2110</u> Music Theory 3	3
<u>MUSC 2120</u> Music Theory 4	3
<u>MUSC 2180</u> Ensemble	2
<u>MUSC 2190</u> Ensemble	2
<u>MUSC 2384</u> Musicianship 3	2
<u>MUSC 2394</u> Musicianship 4	2
<u>MUSC 2400</u> Major Practical Study	6
<u>MUSC 2460</u> Conducting	3
Select one Music History Elective ¹	3
Select two Teachable Minor courses – Non-Music Electives¹	6
Hours	35
Year 3	
<u>MUSC 3102</u> Composition, Technology and Improvisation for Music Educators	3
<u>MUSC 3180</u> Ensemble	2
<u>MUSC 3190</u> Ensemble	2
<u>MUSC 3470</u> Major Practical Study	6
<u>MUSC 3780</u> Woodwind Techniques	3
<u>MUSC 3790</u> Brass Techniques	3
<u>MUSC 4772</u> Instrumental Music Methods 1	3
Select one Music Elective	3

Select two Teachable Minor courses Non-Music Electives ¹	6
Select one Music History Elective ²	3
Hours	34
Year 4	
<u>MUSC 3690</u> Percussion Techniques	3
<u>MUSC 3884</u> Introduction to Jazz for Music Educators	3
Select one of the following options:	6
Option 1:	
<u>MUSC 4470</u> Major Practical Study	6
Option 2:	
<u>MUSC 4160</u> Major Practical Study	3
MUSC XXXX Music Elective	3
<u>MUSC 4180</u> Ensemble	2
<u>MUSC 4190</u> Ensemble	2
<u>MUSC 4782</u> Instrumental Music Methods 2	3
<u>MUSC 4896</u> Cultural Perspectives for Music Educators	3
Select one Music Elective	3
Select two Teachable Minor courses Non-Music Electives¹	6
Hours	31
Total Hours	132

¹ Can be used to fulfil the ~~breadth requirement~~ **Faculty of Education's breadth or teachable minor requirements. (See Faculty of Education admission requirements for the Bachelor of Education.)**

² **See list of Music History Electives**

Instrumental Concentration (With "W" or "Math" Requirement as Teachable Minor)	
Year 1	Hours
<u>MUSC 1004</u> Introduction to Music in History 1	3
<u>MUSC 1014</u> Introduction to Music in History 2	3

<u>MUSC 1110</u>	Music Theory 1	3
<u>MUSC 1120</u>	Music Theory 2	3
<u>MUSC 1180</u>	Ensemble	2
<u>MUSC 1190</u>	Ensemble	2
<u>MUSC 1384</u>	Musicianship 1	2
<u>MUSC 1394</u>	Musicianship 2	2
<u>MUSC 1400</u>	Major Practical Study	6
Select one Mathematics Requirement course		3
Select one Written English Requirement course		3
-	Hours	32

Year 2

<u>MUSC 2100</u>	Introduction to Music Teaching and Learning	3
<u>MUSC 2110</u>	Music Theory 3	3
<u>MUSC 2120</u>	Music Theory 4	3
<u>MUSC 2180</u>	Ensemble	2
<u>MUSC 2190</u>	Ensemble	2
<u>MUSC 2384</u>	Musicianship 3	2
<u>MUSC 2394</u>	Musicianship 4	2
<u>MUSC 2400</u>	Major Practical Study	6
<u>MUSC 2460</u>	Conducting	3
Select two Teachable Minor courses		6
Select one Music History Elective		3
-	Hours	35

Year 3

<u>MUSC 3102</u>	Composition, Technology and Improvisation for Music Educators	3
<u>MUSC 3180</u>	Ensemble	2
<u>MUSC 3190</u>	Ensemble	2
<u>MUSC 3470</u>	Major Practical Study	6

<u>MUSC 3780</u> Woodwind Techniques	3
<u>MUSC 3790</u> Brass Techniques	3
<u>MUSC 4772</u> Instrumental Music Methods 1	3
Select one Music Elective	3
Select two Teachable Minor courses	6
Select one Music History Elective	3
- Hours	34
Year 4	
<u>MUSC 3690</u> Percussion Techniques	3
<u>MUSC 3884</u> Introduction to Jazz for Music Educators	3
Select one of the following options:	6
Option 1:	-
<u>MUSC 4470</u> Major Practical Study	-
Option 2:	-
<u>MUSC 4160</u> Major Practical Study	-
MUSC XXXX Music Elective	-
<u>MUSC 4180</u> Ensemble	2
<u>MUSC 4190</u> Ensemble	2
<u>MUSC 4782</u> Instrumental Music Methods 2	3
<u>MUSC 4896</u> Cultural Perspectives for Music Educators	3
Select two Music Electives	6
Select one Teachable Minor course	3
- Hours	31
- Total Hours	132
Plan of Study Grid	

Choral Concentration

Year 1	Hours
<u>MUSC 1004</u> Introduction to Music in History 1	3
<u>MUSC 1014</u> Introduction to Music in History 2	3
<u>MUSC 1110</u> Music Theory 1	3
<u>MUSC 1120</u> Music Theory 2	3
<u>MUSC 1180</u> Ensemble	2
<u>MUSC 1190</u> Ensemble	2
<u>MUSC 1384</u> Musicianship 1	2
<u>MUSC 1394</u> Musicianship 2	2
<u>MUSC 1400</u> Major Practical Study	6
Select one Mathematics Requirement course ¹	3
Select one Written English Requirement course ¹	3
Hours	32
Year 2	
<u>MUSC 2100</u> Introduction to Music Teaching and Learning	3
<u>MUSC 2110</u> Music Theory 3	3
<u>MUSC 2120</u> Music Theory 4	3
<u>MUSC 2180</u> Ensemble	2
<u>MUSC 2190</u> Ensemble	2
<u>MUSC 2384</u> Musicianship 3	2
<u>MUSC 2394</u> Musicianship 4	2
<u>MUSC 2400</u> Major Practical Study	6
<u>MUSC 2460</u> Conducting	3
Select two Teachable Minor courses Non-Music Electives¹	6
Select one Music History Elective ²	3
Hours	35
Year 3	
<u>MUSC 3102</u> Composition, Technology and Improvisation for Music Educators	3

<u>MUSC 3180</u> Ensemble	2
<u>MUSC 3190</u> Ensemble	2
<u>MUSC 3470</u> Major Practical Study	6
<u>MUSC 3772</u> Vocal Pedagogy for Choirs	3
<u>MUSC 4752</u> Elementary and Middle Years Choral Methods	3
<u>MUSC 4762</u> Senior Years and Community Choral Methods	3
Select four Teachable Minor courses Non-Music Electives ¹	12
Select one Music Elective ²	3
Hours	37
Year 4	
<u>MUSC 3730</u> Early Music Development	3
<u>MUSC 3884</u> Introduction to Jazz for Music Educators	3
Select one of the following options:	6
Option 1:	
<u>MUSC 4470</u> Major Practical Study	
Option 2:	
<u>MUSC 4160</u> Major Practical Study	
MUSC XXXX Music Elective	
<u>MUSC 4180</u> Ensemble	2
<u>MUSC 4190</u> Ensemble	2
<u>MUSC 4156</u> Choral Music Literature and Programming	3
<u>MUSC 4896</u> Cultural Perspectives for Music Educators	3
Select one Music Elective	3
Select one Music History Elective ²	3
Hours	28
Total Hours	132

¹ Can be used to fulfil the ~~breadth requirement~~ **Faculty of Education's breadth or teachable minor requirements. (See Faculty of Education admission requirements for the Bachelor of Education.)**

² **See list of Music History Electives**

Choral Concentration (With "W" or "Math" Requirement as Teachable Minor)

Year 1	Hours
<u>MUSC 1004</u> Introduction to Music in History 1	3
<u>MUSC 1014</u> Introduction to Music in History 2	3
<u>MUSC 1110</u> Music Theory 1	3
<u>MUSC 1120</u> Music Theory 2	3
<u>MUSC 1180</u> Ensemble	2
<u>MUSC 1190</u> Ensemble	2
<u>MUSC 1384</u> Musicianship 1	2
<u>MUSC 1394</u> Musicianship 2	2
<u>MUSC 1400</u> Major Practical Study	6
Select one Mathematics Requirement course	3
Select one Written English Requirement course	3
- Hours	32
Year 2	
<u>MUSC 2100</u> Introduction to Music Teaching and Learning	3
<u>MUSC 2110</u> Music Theory 3	3
<u>MUSC 2120</u> Music Theory 4	3
<u>MUSC 2180</u> Ensemble	2
<u>MUSC 2190</u> Ensemble	2
<u>MUSC 2384</u> Musicianship 3	2
<u>MUSC 2394</u> Musicianship 4	2
<u>MUSC 2400</u> Major Practical Study	6

<u>MUSC 2460</u> Conducting	3
Select two Teachable Minor courses	6
Select one Music History Musicology Elective	3
- Hours	35
Year 3	
<u>MUSC 3102</u> Composition, Technology and Improvisation for Music Educators	3
<u>MUSC 3180</u> Ensemble	2
<u>MUSC 3190</u> Ensemble	2
<u>MUSC 3470</u> Major Practical Study	6
<u>MUSC 3772</u> Vocal Pedagogy for Choirs	3
<u>MUSC 4752</u> Elementary and Middle Years Choral Methods	3
<u>MUSC 4762</u> Senior Years and Community Choral Methods	3
Select one Music Elective	3
Select two Teachable Minor courses	6
Select one Music History Musicology Elective	3
- Hours	34
Year 4	
<u>MUSC 3730</u> Early Music Development	3
<u>MUSC 3884</u> Introduction to Jazz for Music Educators	3
Select one of the following options:	6
Option 1:	-
<u>MUSC 4470</u> Major Practical Study	-
Option 2:	-
<u>MUSC 4160</u> Major Practical Study	-
MUSC-XXXX Music Elective	-
<u>MUSC 4180</u> Ensemble	2
<u>MUSC 4190</u> Ensemble	2
<u>MUSC 4156</u> Choral Music Literature and Programming	3

MUSC 4896 Cultural Perspectives for Music Educators	3
Select two Music Electives	6
Select one Teachable Minor course	3
- Hours	31
- Total Hours	132

Plan of Study Grid

Guitar/Strings Concentration

Year 1	Hours
<u>MUSC 1004</u> Introduction to Music in History 1	3
<u>MUSC 1014</u> Introduction to Music in History 2	3
<u>MUSC 1110</u> Music Theory 1	3
<u>MUSC 1120</u> Music Theory 2	3
<u>MUSC 1180</u> Ensemble	2
<u>MUSC 1190</u> Ensemble	2
<u>MUSC 1384</u> Musicianship 1	2
<u>MUSC 1394</u> Musicianship 2	2
<u>MUSC 1400</u> Major Practical Study	6
Select one Mathematics Requirement course ¹	3
Select one Written English Requirement course ¹	3
Hours	32
Year 2	
<u>MUSC 2100</u> Introduction to Music Teaching and Learning	3
<u>MUSC 2110</u> Music Theory 3	3
<u>MUSC 2120</u> Music Theory 4	3
<u>MUSC 2180</u> Ensemble	2
<u>MUSC 2190</u> Ensemble	2
<u>MUSC 2384</u> Musicianship 3	2

<u>MUSC 2394</u>	Musicianship 4	2
<u>MUSC 2400</u>	Major Practical Study	6
<u>MUSC 2460</u>	Conducting	3
Select two Teachable Minor courses Non-Music Electives¹		6
Select one Music History Elective ²		3
Hours		35

Year 3

<u>MUSC 3102</u>	Composition, Technology and Improvisation for Music Educators	3
<u>MUSC 3180</u>	Ensemble	2
<u>MUSC 3190</u>	Ensemble	2
<u>MUSC 3470</u>	Major Practical Study	6
<u>MUSC 3894</u>	Guitar Techniques	3
or <u>MUSC 3800</u> or String Techniques		
<u>MUSC 4752</u>	Elementary and Middle Years Choral Methods	3
or <u>MUSC 4772</u> or Instrumental Music Methods 1		
Select two Music Electives		6
Select two Teachable Minor courses Non-Music Electives¹		6
Select one Music History Elective ²		3
Hours		34

Year 4

<u>MUSC 3884</u>	Introduction to Jazz for Music Educators	3
<u>MUSC 3730</u>	Early Music Development	3
Select one of the following options:		6
Option 1:		
<u>MUSC 4470</u>	Major Practical Study	
Option 2:		
<u>MUSC 4160</u>	Major Practical Study	
<u>MUSC XXXX</u>	Music Elective	

<u>MUSC 4180</u>	Ensemble	2
<u>MUSC 4190</u>	Ensemble	2
Select one of the following:		3
<u>MUSC 4752</u>	Elementary and Middle Years Choral Methods	
<u>MUSC 4762</u>	Senior Years and Community Choral Methods	
<u>MUSC 4772</u>	Instrumental Music Methods 1	
<u>MUSC 4782</u>	Instrumental Music Methods 2	
Select one of the following:		3
<u>MUSC 4894</u>	Advanced Guitar Techniques	
<u>MUSC XXXX</u>	Music Elective	
<u>MUSC 4896</u>	Cultural Perspectives for Music Educators	3
Select one Music Elective		3
Select one Teachable Minor course Non-Music Electives¹		3
Hours		31
Total Hours		132

Plan of Study Grid

¹ Can be used to fulfil the breadth requirement **Faculty of Education's breadth or teachable minor requirements. (See Faculty of Education admission requirements for the Bachelor of Education.)**

² **See list of Music History Electives**

Guitar/Strings Concentration (With "W" or "Math" Requirement as Teachable Minor)

Year 1	Hours
<u>MUSC 1004</u> Introduction to Music in History 1	3
<u>MUSC 1014</u> Introduction to Music in History 2	3
<u>MUSC 1110</u> Music Theory 1	3
<u>MUSC 1120</u> Music Theory 2	3
<u>MUSC 1180</u> Ensemble	2
<u>MUSC 1190</u> Ensemble	2

<u>MUSC 1384</u>	Musicianship 1	2
<u>MUSC 1394</u>	Musicianship 2	2
<u>MUSC 1400</u>	Major Practical Study	6
Select one Mathematics Requirement course		3
Select one Written English Requirement course		3
-	Hours	32
Year 2		
<u>MUSC 2100</u>	Introduction to Music Teaching and Learning	3
<u>MUSC 2110</u>	Music Theory 3	3
<u>MUSC 2120</u>	Music Theory 4	3
<u>MUSC 2180</u>	Ensemble	2
<u>MUSC 2190</u>	Ensemble	2
<u>MUSC 2384</u>	Musicianship 3	2
<u>MUSC 2394</u>	Musicianship 4	2
<u>MUSC 2400</u>	Major Practical Study	6
<u>MUSC 2460</u>	Conducting	3
Select two Teachable Minor courses		6
Select one Music History Musicology Elective		3
-	Hours	35
Year 3		
<u>MUSC 3102</u>	Composition, Technology and Improvisation for Music Educators	3
<u>MUSC 3180</u>	Ensemble	2
<u>MUSC 3190</u>	Ensemble	2
<u>MUSC 3470</u>	Major Practical Study	6
<u>MUSC 3894</u>	Guitar Techniques	3
or <u>MUSC 3800</u> or String Techniques		
<u>MUSC 4752</u>	Elementary and Middle Years Choral Methods	3
or <u>MUSC 4772</u> or Instrumental Music Methods 1		

Select two Music Electives	6
Select two Teachable Minor courses	6
Select one Music History Musicology Elective	3
- Hours	34
Year 4	
MUSC 3730 Early Music Development	3
MUSC 3884 Introduction to Jazz for Music Educators	3
or MUSC 4452 or Jazz Pedagogy	
Select one of the following options:	6
Option 1:	-
MUSC 4470 Major Practical Study	-
Option 2:	-
MUSC 4160 Major Practical Study	-
MUSC XXXX Music Elective	-
MUSC 4180 Ensemble	2
MUSC 4190 Ensemble	2
Select one of the following:	3
MUSC 4752 Elementary and Middle Years Choral Methods	-
MUSC 4762 Senior Years and Community Choral Methods	-
MUSC 4772 Instrumental Music Methods 1	-
MUSC 4782 Instrumental Music Methods 2	-
Select one of the following:	3
MUSC 4894 Advanced Guitar Techniques	-
MUSC XXXX Music Elective	-
MUSC 4896 Cultural Perspectives for Music Educators	3
Select one Music Elective	3
Select one Teachable Minor course	3
- Hours	31
- Total Hours	132

Faculty of Science

Computer Science

Modifications:

COMP 3430 Operating Systems 3 cr 0.0
Operating systems, their design, implementation, and usage. COMP 2160 is recommended for Computer Engineering students. May not be held with ECE 3630. Prerequisites: [one of STAT 1150, STAT 1000, STAT 1001, STAT 2220, or PHYS 2496]; and one of [[COMP 2280 and COMP 2080] or [(COMP 2140 or the former COMP 2061) and ECE 3610 and ECE 3790]].

COMP 4360 Machine Learning 3 cr 0.0
Learning strategies; evaluation of learning; learning in symbolic systems; neural networks, genetic algorithms. May not be held with ECE 4450. Prerequisite: [COMP 3190 and (one of STAT 1150 (B), STAT 2150, STAT 2220 (B), or PHYS 2496 (B)) and (one of MATH 1220, MATH 1300 (B), MATH 1301 (B), MATH 1310 (B), MATH 1210 (B), or MATH 1211 (B)) and (one of MATH 1230, MATH 1500 (B), MATH 1501 (B), MATH 1510 (B), the former MATH 1520 (B), or MATH 1524 (B))] or [STAT 2400 and MATH 2740 and DATA 2010].

COMP 4580 Computer Security 3 cr 0.0
Computer security and information management. This course will examine state-of-the-art knowledge about the issues relevant to data and computer security. Prerequisites: COMP 3430 and COMP 3010.

NET CHANGE IN CREDIT HOURS: 0.0

Physics and Astronomy

Introduction:

PHYS 3300 Special Topics in Third-Year Physics 3 cr +3.0
Topics of current interest in Physics that will vary with the needs and interests of students and faculty. This course can be completed as a topics course multiple times under different titles. Prerequisite: Consent of Department.

NET CHANGE IN CREDIT HOURS: +3.0

Report of the Executive Committee of the Faculty of Graduate Studies on Course and Curriculum Changes

Preamble

1. The Faculty of Graduate Studies (FGS) has responsibility for all matters relating to the submission of graduate course, curriculum, program and regulation changes. Recommendations for such are submitted by the Faculty Council of Graduate Studies for the approval of Senate.
2. In October 2007, the Faculty of Graduate Studies approved a process of *Streamlining Course Introductions, Modifications, & Deletions* which allows the Executive Committee to approve these changes in lieu of Faculty Council when the courses are not associated with a new program proposal.
3. The Faculty of Graduate Studies Executive Committee met on the above date to consider a proposal from the Dept. of Indigenous Studies.

Observations

1. The **Dept. of Indigenous Studies** proposes (1) Course Modification: INDG 7250 to replace the term *Aboriginal* with *First Nations* to ensure accuracy and consistency of the use of terminology.

Course Modification

INDG 7250 Culture: Theory and Praxis

3

A study of selected material in Metis, First Nations, or Inuit studies, designed to meet the special needs of graduate students interested in exploring interdisciplinary perspectives in Indigenous Studies.

NET CREDIT HOUR CHANGE

0

Recommendations

The Executive Committee recommends THAT: the course change(s) from the unit listed below be approved by Senate:

Dept. of Indigenous Studies

Respectfully submitted,

Dr. Kelley Main, Chair
Faculty of Graduate Studies Executive Committee

Comments of the Senate Executive Committee:
The Senate Executive Committee Endorses the Report to Senate.

Report of the Faculty Council of the Faculty of Graduate Studies on Course, Program, Supplementary Regulation, and Regulation Changes

Preamble

1. The Faculty of Graduate Studies (FGS) has responsibility for all matters relating to the submission of graduate course, curriculum, program, supplementary regulation and regulation changes. Recommendations for such are submitted by the Faculty Council of Graduate Studies for the approval of Senate.
2. The Faculty Council of Graduate Studies met on the above date to consider a proposal from the Dept. of Animal Science.

Observations

1. The **Dept. of Animal Science** proposes M.Sc. & Ph.D. Supplementary Regulation Changes regarding the criteria related to graduate student admissions; specifically, the requirement of and related process for securing an advisor at the time of admission. The Ph.D. candidacy exam change consists of adding “or their designate” to the stipulation that the written and oral sections are administered by the department head *or their designate*. The changes were approved by the Dept. of Animal Science Council in February and March 2023.

Recommendations

Faculty Council of Graduate Studies recommends THAT the proposal from the unit listed below be approved by Senate:

Dept. of Animal Science

Respectfully submitted,

Dr. Kelley J. Main, Chair
Faculty Council of Graduate Studies

/ak

Comments of the Senate Executive Committee:
The Senate Executive Committee Endorses the Report to Senate.

September 14, 2023

Dr. Kelley Main
Faculty of Graduate Studies, University of Manitoba

Dear Dr. Main,

We have revised the Supplementary Regulations for our graduate program according to the FGS Programs & Guidelines Committee and Dr. Ehab El-Salakawys' comments.

I am sending you a memorandum regarding changes to the Supplementary Regulations for our graduate program. A copy of the revised Supplementary Regulations is attached with tracked changes.

(1) A change is made regarding the criteria related to graduate student applications (page 2). This was approved by the Department Council in March 2023.

“Before submitting a formal application through the Faculty of Graduate Studies, potential graduate students are required to take the following steps:

Contact a professor who is working in an area of your interest directly to discuss the possibility of joining our graduate program. Please provide the professor with your Curriculum Vitae, copies of your electronic transcripts and a statement of research interests. Applicant's referees may be contacted by the professor.

Once the professor agrees and has committed two years (for MSc) or three years (for PhD) of stipend funding either from a scholarship or from the professor's research grants, only then should the student apply formally through the Faculty of Graduate Studies. After submitting the application, the student should keep the professor informed regarding possible start dates, visa requirements, or any logistical issues.

Applications submitted without a confirmed supervisor will not be considered.”

(2) A change is made regarding PhD candidacy exam (page 43). This was approved by the Department Council in February 2023.

“Both sections are administered/chaired by the Department Head or their designate.”

Please let us know if you need further information. Thank you.

Sincerely,

Karmin O
Professor, Department of Animal Science

FGS Academic Guide Regulation 2023/24	Supplementary Regulation																
"Master's student" shall be taken to mean an individual pursuing a Master's degree. This individual is considered a student up until successful completion of their Master's degree, after which they are a graduate of the Master's program. "Ph.D. candidate" or "doctoral candidate" shall be taken to mean an individual who is pursuing a Ph.D. degree and who has successfully completed all required coursework, passed the candidacy examinations, and has an approved thesis proposal. Prior to achieving these milestones, the individual is considered a "Ph.D. student" or "doctoral student."																	
1.1 Application and Admission Procedures The application (and all required documentation) is to be submitted directly to the Faculty of Graduate Studies via the online application system. Applicants should contact the department/unit to which they are applying for the procedures and requirements which are specific to the program of application. Contact information for each department/unit can be found on the <u>Graduate programs of study website</u>. 1.1.1 Process: 1. A completed official application for admission form must be submitted, together with the application fee and supporting documentation, to the Faculty of Graduate Studies, via the online application system. Applicants are required to submit the application and documentation to the Faculty of Graduate Studies in time to meet the application deadline in place for a particular department/unit. Deadlines vary depending on the program to which the applicant is applying and whether the applicant is domestic or international. Deadlines can be found by clicking the appropriate application program page on the <u>Graduate programs of study website</u>. 2. Applications are subsequently reviewed by the unit offering the program which will decide whether the applicant meets the unit's criteria including, but not limited to, availability of advisors, space, and facilities. The unit Head will submit their recommended decisions (i.e., acceptance or rejection) to the Faculty of Graduate Studies. The unit should not notify applicants of their recommendations. 3. Applications recommended for admission are checked to determine if they meet the Faculty of Graduate Studies' eligibility requirements. The Faculty of Graduate Studies then notifies applicants of their acceptance or rejection.	Department of Animal Science Faculty of Agricultural and Food Sciences University of Manitoba Winnipeg, MB, Canada R3T 2N2 Tel: (204) 474-9383 Fax: (204) 474-7628 Email: Animal_Science@umanitoba.ca Before submitting a formal application through the Faculty of Graduate Studies, potential graduate students are required to take the following steps: Contact a professor who is working in an area of your interest directly to discuss the possibility of joining our graduate program. Please provide the professor with your Curriculum Vitae, copies of your electronic transcripts and a statement of research interests. Applicant's referees may be contacted by the professor. Once the professor agrees and has committed two years (for MSc) or three years (for PhD) of stipend funding either from a scholarship or from the professor's research grants, only then should the student apply formally through the Faculty of Graduate Studies. After submitting the application, the student should keep the professor informed regarding possible start dates, visa requirements, or any logistical issues. Applications submitted without a confirmed supervisor will not be considered.																
1.1.2 Deadlines for Recommended Applications (from Departments/Units to the Faculty of Graduate Studies) The following are the deadlines for receipt by the Faculty of Graduate Studies of recommendations from departments/units. <table><tr><th>Term</th><th>Start Date</th><th>Canadian/US</th><th>International</th></tr><tr><td>Fall</td><td>September</td><td>July 1</td><td>April 1</td></tr><tr><td>Winter</td><td>January</td><td>November 1</td><td>August 1</td></tr><tr><td>Summer</td><td>May</td><td>March 1</td><td>December 1</td></tr></table> IMPORTANT: These are not unit-specific application deadlines. Prospective applicants must consult the appropriate application program page on the Graduate programs of	Term	Start Date	Canadian/US	International	Fall	September	July 1	April 1	Winter	January	November 1	August 1	Summer	May	March 1	December 1	The Department of Animal Science admits students usually for a September or January start; however, students may be admitted for May or July. Note: All Canadian applicants must apply at least one month prior to the deadlines indicated and all International applicants must apply at least two months prior to the deadlines indicated to allow for initial processing by the Animal Science Graduate Studies committee. For upcoming application deadlines, please consult the Graduate Program Pages:
Term	Start Date	Canadian/US	International														
Fall	September	July 1	April 1														
Winter	January	November 1	August 1														
Summer	May	March 1	December 1														

FGS Academic Guide Regulation 2023/24	Supplementary Regulation
will usually be Required to Withdraw from the Faculty of Graduate Studies and the notation on the student record will be "Required to Withdraw".	
7.6.1 Performance in Coursework A minimum degree grade point average (DGPA) of 3.0 with no grade below C+ must be maintained to continue in the Faculty of Graduate Studies. Departments/Units may specify, in their supplementary regulations, standards that are higher than those of the Faculty of Graduate Studies. Students who fail to maintain the specified grades or DGPA will be Required to Withdraw unless a department/unit recommends remedial action. Any such action must be approved by the Dean of the Faculty of Graduate Studies.	Students must earn a minimum grade of B in each course.
7.6.2 Performance Not Related to Coursework Students may be Required to Withdraw from their Ph.D. program for reasons of unsatisfactory performance other than those related to failing grades. These include, but are not restricted to, unsatisfactory attendance and lack of progress in research and/or thesis preparation. Unsatisfactory performance must be reported to the Faculty of Graduate Studies on the "Progress Report" form. Students who fail to maintain satisfactory performance may be Required to Withdraw on the recommendation of the Department/Unit Head to the Dean of the Faculty of Graduate Studies. Students are usually expected to complete remedial action by the end of the subsequent term.	
7.7 Academic Requirement for Graduation All students must: • maintain a minimum degree grade point average (DGPA) of 3.0 with no grade below C+; • complete <u>GRAD 7500</u>; • complete <u>GRAD 7300</u>; • <u>complete the Candidacy Examination (GRAD 8010)</u>; • meet the minimum and not exceed the maximum course requirements; and • meet the minimum and not exceed the maximum time requirements (in terms of time in program and lapse or expiration of credit of courses). Individual departments/units may have additional specific requirements for graduation and students should consult department/unit supplementary regulations for these specific requirements. A degree grade point average of 3.0 or greater is required in those courses that constitute the program of study for graduation from the Faculty of Graduate Studies.	
7.8 Candidacy Examination The candidacy examination is a requirement of the Faculty of Graduate Studies and, as such, cannot be waived under any circumstances. However, the format and content of the candidacy exam varies from department/unit to department/unit. The purpose of the candidacy exam in doctoral programs is to determine the student's competence in the discipline with respect to understanding and absorbing a broad spectrum of material, and then researching, identifying, analyzing, synthesizing, and communicating ideas about that material in depth. At the time specified by the advisory committee, usually within the first year after the completion of the Ph.D. program coursework, but in no case later than one year prior to expected graduation, the student must successfully complete the formal candidacy examination. The examination is conducted according to a procedure established by the department/unit which is approved and documented in departmental/unit	• Animal Science has a written and oral section in the Candidacy Examination. • Both sections are administered/chaired by the Department Head or their designate. • Topics to be covered are made known to the student at least one month before the written examination. • For the written component, there will not usually be more than four sections, written in separate 4-hour sessions on consecutive or alternate days. Each of the advisory committee members sets an examination section that will not usually exceed five questions. Questions are to be submitted to the Department Head 1-2 weeks

Report of the Faculty Council of the Faculty of Graduate Studies on Course, Program, Supplementary Regulation, and Regulation Changes

Preamble

1. The Faculty of Graduate Studies (FGS) has responsibility for all matters relating to the submission of graduate course, curriculum, program, supplementary regulation and regulation changes. Recommendations for such are submitted by the Faculty Council of Graduate Studies for the approval of Senate.
2. The Faculty Council of Graduate Studies met on the above date to consider a proposal from the Dept. of Community Health Sciences.

Observations

1. The **Dept. of Community Health Sciences** proposes M.Sc. & Ph.D. Supplementary Regulation Changes. This entails changing one M.Sc. course requirement (and PhD pre-requisites for students coming in with a Master's degree from a unit outside CHS) to include some flexibility. Specifically, changing the requirement that all students must take CHSC 7320 Organization and Financing of the Canadian Health Care System (3) to allowing students to choose between CHSC 7320 or CHSC 7300 Health Policy and Planning (3).

The proposal was approved at the Dept. of Community Health Sciences council on March 20, 2023.

Recommendations

Faculty Council of Graduate Studies recommends THAT the proposal from the unit listed below be approved by Senate:

Dept. of Community Health Sciences

Respectfully submitted,

Dr. Kelley J. Main, Chair
Faculty Council of Graduate Studies

/ak

Comments of the Senate Executive Committee:
The Senate Executive Committee Endorses the Report to Senate.

May 3, 2023

To: FGS Programs and Guidelines Committee
Cc: Dr. Todd Duhamel, Associate Dean FGS (responsible for CHS)

Please find a program change for our MSc and PhD programs in Community Health Sciences for consideration at the next Programs and Guidelines meeting.

Change: Changing one MSc course requirement (and PhD pre-reqs for students coming in with a Masters degree from a unit outside CHS) to include some flexibility. Specifically, changing the requirement that all students must take CHSC 7320 (Organization and Finance of the Canadian Health Care System) to allowing students to choose between CHSC 7320 OR CHSC 7300 (Health Policy and Planning) (Approved at CHS Council Meeting March 20, 2023)

Background to change: Several aspects have become apparent regarding student experiences in our programs.

- CHSC 7320 course is heavily subscribed: All of our incoming MSc students are required to complete this course, MPH students can take this course as an elective, and any incoming PhD students who did not complete an MSc in CHS must also take this as an elective (if they did not have an equivalent course or content as part of prior degree programs). This course is also of interest to students in other units (e.g. the Management Interdisciplinary program as well as other RADY units). The high enrollment in this course creates a less enjoyable student experience if there is not sufficient time for discussion and debate of ideas, which becomes more challenging with a larger class size. This class is not intended to be lecture alone, but rather a combination of lecture and seminar to truly engage with and respectfully debate ideas.
- For graduate students whose research projects have more of a global health focus, CHSC 7320 does not have the same value-added benefit. In fact, CHSC Advisors affiliated with the Institute for Global Public Health have indicated that their students would benefit more from CHSC 7300 (Health Policy and Planning). The rationale these Advisors have provided is that their students are focusing on healthcare contexts outside of the Canadian system, and would benefit from training in understanding health policy processes function (even within a Canadian context) more so than how the Canadian healthcare system is organized and financed.
- A particular challenge for our incoming PhD students who did not do their MSc in CHS is that CHSC 7320 might not be as beneficial to their graduate program and training for their research interests, and where they might be better served in taking an elective course that helps provide them with relevant content for their dissertation research. It is also possible that these same students have some equivalent health policy level graduate course, which could potentially meet a revised set of pre-reqs, allowing them more choice for how they use their elective

credits. In the event an incoming PhD still had to meet this particular MSc pre-req, having choice would allow them to select whichever course best meets their needs and interests.

Change to core requirements: We want to provide a flexible option for students for the core courses between CHSC 7320 OR CHSC 7300. We have modified the sup regs for section 6.3.1 for MSc students and MSc students taking the Concentration in Biostatistics, and section 7.4 for the PhD section in reference to pre-requisite courses which would apply to incoming PhD students who did not complete a MSc in CHS.

Please do not hesitate to contact me should you require additional information.

Sincerely,

A handwritten signature in black ink that reads "S. Michelle Driedger". The script is cursive and fluid, with the first letters of each word being capitalized and prominent.

S. Michelle Driedger
Director, CHS Graduate Program

FGS Academic Guide Regulation 2023/24	Supplementary Regulation
the balance of the coursework at the 3000-level or above. A maximum of twenty-four (24) credit hours of coursework is allowed unless the department's/unit's supplementary regulations indicate otherwise. The student must complete the thesis/practicum at The University of Manitoba.	field placement opportunity or through the completion of a capstone research project. Thirty (30) credit-hours from 7000-level courses will be required for completion of the degree: eighteen (18) credit hours from core courses, and twelve (12) credit hours from elective courses. For the supervised practicum, students will choose from either the field placement or the capstone research component, and these are both considered (0) credit hour components of the program. The following six (6) 3-credit hour courses are required: • CHSC 7500 Core Concepts in Public Health 1 • CHSC 7502 Core Concepts in Public Health 2 • CHSC 7520 Principles of Epidemiology • CHSC 7530 Applied Public Health Epidemiology; • CHSC 7632 Evaluation of Family, Health & Social Development Programs; and either • CHSC 7820 Biostatistics for Community Health Sciences; or • CHSC 7810 Biostatistics for the Health and Human Sciences. An additional twelve (12) credit hours of CHS courses must be taken at the 7000* level as electives. *On the recommendation of the student's advisor and with the approval of the Director of the CHS Graduate Program elective courses for the M.P.H. program may be taken in other departments. Supervised practicum: The majority of M.P.H. students will complete CHSC 7580 Public Health Field Placement. M.P.H. students with extensive applied public health experience may apply to replace CHSC 7580 with CHSC 7590 Capstone Research Project in Public Health, pending approval by the Director of the CHS Graduate Program. M.P.H. students may only do either CHSC 7580 or CHSC 7590, not both. In addition to meeting other criteria, M.P.H. Students approved to do the Capstone Research Project in Public Health will be required to take among their allowable electives courses the following pre-requisite to CHSC 7590: • CHSC 7860 Research Methods and Concepts in Community Health Sciences M.P.H. Students whose research practicum may involve exposure to a qualitative research project may also need to take the following course as an elective: • CHSC 7738 Qualitative Research Methods in Community Health Sciences <u>M.Sc. course requirements</u>

The M.Sc. program consists of completion of core courses, elective courses and a thesis. Twenty-one (21) credit-hours from 7000-level courses will be required for completion of the degree: ~~nine-six (96)~~ credit hours from core courses, three (3) credit hours from a choice of two courses, three (3) credit hours from methods course options and nine (9) credit hours from elective courses.

The following ~~three-two (23)~~ 3-credit hour courses are required:

- CHSC 7520 Principles of Epidemiology
- CHSC 7860 Methods and Concepts for Community Health Sciences

Plus one required three (3)-credit hour option:

- ~~CHSC 7320 Organization and Financing of the Canadian Health Care System~~
- CHSC 7300 Health Policy and Planning

Plus one required three (3)-credit hour methods course option from:

- CHSC 7820 Biostatistics for Community Health Sciences; or
- CHSC 7810 Biostatistics for the Health and Human Sciences; or
- CHSC 7738 Qualitative Research Methods in Community Health Sciences

An additional nine (9) credit hours of CHSC courses must be taken at the 7000 level* as electives.

*On the recommendation of the student's advisor and with the approval of the Director of the CHS Graduate Program elective courses for the M.Sc. program may be taken in other departments.

M.Sc. Concentration in Biostatistics

Core courses (~~69~~ credit hours):

- ~~CHSC 7320 Organization and Financing of the Canadian Health Care System~~
- CHSC 7520 Principle of Epidemiology
- CHSC 7860 Methods and Concepts for Community Health Sciences

Core course option (3 credit hours):

- CHSC 7320 Organization and Financing of the Canadian Health Care System; or
- CHSC 7300 Health Policy and Planning

CHSC 7820 is currently a required methods option for the M.Sc. program. Applicants who have completed STAT 3400, STAT 3800, STAT 4100 and STAT 4200 at the University of Manitoba will normally have CHSC 7820 waived. Applicants seeking a waiver will provide the course instructor with an outline of the equivalent course(s), and the course instructor will make the waiver decision. In order to maintain an overall program total of 21 credit hours, these students who are not successful

FGS Academic Guide Regulation 2023/24	Supplementary Regulation
7.2.5 Conflict of Interest There are several circumstances that might lead to a real, perceived or potential Conflict of Interest (COI) in advisory and examining committees. A real COI could be present due to the existence of a (past or present) personal relationship that is romantic, sexual, marital, personal or familial. There is a potential for a perceived COI in cases of recent (within the last 5 years) collaboration among committee members, which may result in the perception of a lack of fairness or impartiality. These examples are not intended to be comprehensive, and are provided solely for illustration. The University of Manitoba Conflict of Interest Policy and Conflict of Interest Procedures as well as the Conflict of Interest Between Evaluators and Students due to Close Personal Relationships should also be consulted. In addition to following the processes outlined in the above policies, COIs that exist within advisory and examining committees and proposed mitigation should be declared in writing to the Faculty of Graduate Studies to provide transparency to all relevant parties (including the student, committee members, unit leadership, and the Faculty of Graduate Studies) at the time they arise. All reported conflicts will be reviewed by the Dean of the Faculty of Graduate Studies (or designate) and reported to the Vice President (Administration). If the conflict is deemed sufficiently significant and cannot be mitigated, a new committee may need to be struck. Committees should consider each year at the time of the progress report whether new conflicts of interest have arisen since the prior year. It is the student's role to inform FGS of any changes in their student registration or employment status that may be perceived as a COI. For example, if a student is hired as an Instructor or an Assistant Professor into any unit at the university, they are to inform FGS of their employment status change in order to have a dialogue to address potential COIs.	
7.3 Program of Study As soon as possible, but no later than 24 months after a student has commenced their program, the student's program of study should be registered with the Faculty of Graduate Studies on the "Program of Study and Appointment of Advisory Committee" form and should include: • information about the minimum or expected time for completion of the degree; • coursework to be taken along with course classification ("S", "X", "A" or "O"); • any additional language requirement; • the research area in which the thesis will be written. The approval of the student's advisor/co-advisor and the Head of the department/unit are sufficient for registration. The program of study, including withdrawal from individual courses and any subsequent changes, must be approved by the student's advisor/co-advisor, the advisory committee, and the Head or Graduate Chair of the department/unit. Withdrawal from courses or changes of course category without such approval may result in the student being Required to Withdraw from the Faculty of Graduate Studies.	
7.4 Program Requirements All students must complete one of the following programs of study for the Ph.D. degree, unless otherwise specified in the approved department/unit supplementary regulations:	Course Requirements for Ph.D. Program The Ph.D. program requires completion of pre-requisite courses, core courses and elective courses. Pre-requisite Courses

- Where admission to the Ph.D. is directly from a Master's degree, a minimum of 12 credit hours at the 7000- level or higher plus a thesis is required. Any further coursework beyond the minimum 12 credit hours at the 7000-level must be at the 3000-level or above. A maximum of 24 credit hours of coursework is allowed toward the Ph.D. program.¹
- Where admission to the Ph.D. is directly from an Honours Bachelor degree or equivalent, a minimum of 24 credit hours plus a thesis is required. The coursework must include a minimum of 18 credit hours at the 7000-level or higher with the balance of the coursework at the 3000-level or higher. A maximum of 48 credit hours of coursework is allowed toward the Ph.D. program unless department/unit's supplementary regulations indicate otherwise.

The following courses or their equivalents must be completed by all students, either prior to entry into the doctoral program or once accepted to the program. These four (4) 3-credit hour courses are the core courses required by M.Sc. students in CHS. Thus a student with a M.Sc. degree in CHS will have completed these pre-requisite courses. For students who do not have a M.Sc. in CHS, these courses may count towards their PhD requirement of 12 elective credit hours.

The following 3-credit hour courses are required:

- CHSC 7320 Organization and Financing of the Canadian Health Care System, or CHSC 7300 Health Policy and Planning,
- CHSC 7520 Principles of Epidemiology,
- CHSC 7860 Methods and Concepts for Community Health Sciences, and either
- CHSC 7820 Biostatistics for Community Health Sciences; or
- CHSC 7810 Biostatistics for the Health and Human Sciences; or
- CHSC 7738 Qualitative Research Methods in Community Health Sciences

Required Courses for Ph.D. program

Eighteen (18) credit-hours from 7000-level courses will be required for completion of the degree: six (6) credit hours of core courses and twelve (12) credit hours of elective courses.

Core courses include:

- CHSC 8600 Senior Seminar in Community Health (3)

Plus one 3-credit hour methods course from:

- CHSC 7830 Advanced Biostatistics for Community Health Sciences
- CHSC 7740 Advanced Qualitative Methods in Community Health Sciences
- CHSC 7540 Advanced Epidemiology

Plus twelve (12) credit hours of 7000* level CHSC elective courses.

*On the recommendation of the student's advisor and with the approval of the Director of the CHS Graduate Program elective courses for the Ph.D. program may be taken in other departments.

If any courses required for the Ph.D. program were taken to meet the requirements for another degree program (including the M.Sc. degree in CHS) these courses are not to be repeated but replaced with other 7000 level courses, to bring the total credit hours to the 18 required in the Ph.D. program.

Report of the Faculty Council of the Faculty of Graduate Studies on Course, Program, Supplementary Regulation, and Regulation Changes

Preamble

1. The Faculty of Graduate Studies (FGS) has responsibility for all matters relating to the submission of graduate course, curriculum, program, supplementary regulation and regulation changes. Recommendations for such are submitted by the Faculty Council of Graduate Studies for the approval of Senate.
2. The Faculty Council of Graduate Studies met on the above date to consider a proposal from the Dept. of English, Theatre, Film & Media.

Observations

1. The **Dept. of English, Theatre, Film & Media** proposes M.A. Supplementary Regulation Changes. These will clarify expectations regarding *creative* M.A. theses, which have not been specified in the supplementary regulations to-date. Creative theses are most commonly composed of poetry or non-critical prose. The existing supplementary regulations concerning the thesis refer to a *critical* M.A. thesis, which has now also been clarified in the regulations.

The proposal was approved by Arts CPAC and Executive Committees on August 8th and 30th, 2023, respectively.

Recommendations

Faculty Council of Graduate Studies recommends THAT the proposal from the unit listed below be approved by Senate:

Dept. of English, Theatre, Film & Media

Respectfully submitted,

Dr. Kelley J. Main, Chair
Faculty Council of Graduate Studies

/ak

Comments of the Senate Executive Committee:
The Senate Executive Committee Endorses the Report to Senate.



University
of Manitoba

Faculty of Arts

Department of
English, Theatre, Film & Media
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15 Chancellors Circle
Winnipeg, Manitoba
Canada R3T 5V5
T: 204 474 9678
F: 204 474 7669
english@umanitoba.ca

11 May, 2023

Lucas Tromly, Graduate Chair, ETFM

Re: Proposed CPAC Modification

The department of English, Theatre, Film & Media offers both critical and creative MA degrees. To date, our Supplementary Regulations only provide details about critical MA theses. We propose to modify Section 6.7.1.1. of our Supplementary Regulations to clarify expectations regarding creative MA theses. These modifications will be helpful for our graduate students and their advisors.

We propose the following modifications to Section 6.7.1.1. of our Supplementary Regulations. First, we would like to clarify that the current description of MA theses refers to *critical* theses. Second, we would like to clarify our expectations for the two most common forms of creative MA theses: those that are composed primarily of poetry and those that are composed primarily of non-critical prose, including fiction and memoir.

Our expectations for poetry-based theses are modelled on the form of the chapbook, which is a stand-alone publication of approximately 40 pages. The chapbook is the standard publishing format for independent and small-press collections of poetry. Our expectations for prose-based theses are loosely modelled on the length of a short novella. Both poetry- and prose-based theses require a critical section of 3,000 to 6,000 words, in which the student discusses their work. The critical section may include a discussion of literary influence, literary form, or the theoretical discourses relevant to the project. Our expectations for creative MA theses are consistent with those held by other equivalent institutions.

Current Language in Supplementary Regulations

The general standards for the M.A. thesis, as outlined by the University of Manitoba Faculty of Graduate Studies, must be met. The Graduate Studies Committee of the Department of English, Theatre, Film & Media expects any thesis submitted to be a mature, well written and thoroughly reasoned discussion of a serious literary question or topic, based upon a carefully researched investigation of the subject, a logically structured presentation of it, and a conclusive analysis that derives from the evidence.

Although the length of the thesis cannot be arbitrarily fixed, the student should aim for between 20,000 and 25,000 words.

(6.7.1.1.)

Proposed Modification to Supplementary Regulations

The general standards for the M.A. thesis, as outlined by the University of Manitoba Faculty of Graduate Studies, must be met. The Graduate Studies Committee of the Department of English, Theatre, Film & Media expects any thesis submitted to be a mature, well written and thoroughly reasoned discussion of a serious literary question or topic, based upon a carefully researched investigation of the subject, a logically structured presentation of it, and a conclusive analysis that derives from the evidence.

Although the length of the **critical** thesis cannot be arbitrarily fixed, the student should aim for between 20,000 and 25,000 words.

Creative M.A. theses involving poetry should be of chapbook length, or approximately 35 to 45 pages of poetry, plus a critical section of approximately 3,000-6,000 words.

Creative M.A. theses in prose should be approximately 25,000 to 30,000 words in length, with an additional critical section of approximately 3,000-6,000 words.

FGS Academic Guide Regulation 2023/24	Supplementary Regulation
Individual departments/units may have additional specific requirements for graduation and students should consult department/unit supplementary regulations for these specific requirements.	
6.7.1 Thesis/Practicum Route 6.7.1.1 Thesis vs. Practicum Students must demonstrate their mastery of the field and that they are fully conversant with the relevant literature through their thesis/practicum. The thesis/practicum will usually be written in English but may be written in French. Departmental/unit supplementary regulations may allow the thesis/practicum to be written in a language other than English or French. Committee members must be able to evaluate the thesis/practicum in the chosen language. The thesis must be written according to a standard style acknowledged within the student's particular field of study and recommended by the department/unit, be lucid and well-written, and be reasonably free from errors of style and grammar (including typographical errors). Additional requirements for thesis formatting are outlined in Appendix 1: Thesis/Practicum Types. The thesis is developed under the mentorship of the advisor/co-advisor. Individual departments/units may have specific guidelines regarding the thesis proposal and its acceptance by the student's advisory committee and Department/Unit Head; students should consult department/unit supplementary regulations for specific requirements. Research must be approved by the appropriate Human Research Ethics Board or Animal Care Committee, if applicable, before the work has begun on the thesis research. A practicum differs from the thesis in its emphasis on the application of theory, it is however similar in scope, span, and rigour. The practicum takes the form of an exercise in the practical application of knowledge and skill. It usually involves the careful definition of a problem, the application of appropriate knowledge and skills to the problem, and a report of the results in a manner suitable for evaluation by an examining committee. Individual departments/units have specific requirements for graduation and students should consult department/unit supplementary regulations for specific requirements. Research must be approved by the appropriate Human Research Ethics Board or Animal Care Committee, if applicable, before the work has begun on the practicum.	Within two months of the successful completion of coursework, and preferably by the end of the second term in the program, the student, in consultation with the Graduate Chair, will name an Advisor who will supervise the student's development of a proposal for submission to the Graduate Chair as soon as possible thereafter. The thesis proposal will be 500-700 words in length. If the thesis is focused on a critical examination of a research problem, then the proposal should include clear information on key research questions, primary texts, secondary texts of importance to the project, and a statement about the anticipated contribution to scholarship. A bibliography is required. If the thesis is focused on a creative problem, then the proposal should include clear information on the parameters of the thesis and the creative problem to be explored. It should demonstrate knowledge of relevant works, including both primary and secondary sources. A bibliography is required. Once the proposal is approved by the Advisor, it is submitted to the Graduate Assistant, who will circulate it to all faculty members. Faculty members are invited to comment on the proposal in terms of quality of argument and research, in feedback addressed to the Graduate Chair. The Graduate Chair will then convey any feedback to the Advisor. Faculty members do not accept or reject the proposal, but offer constructive criticism to help the student complete the thesis successfully. The general standards for the M.A. thesis, as outlined by the University of Manitoba Faculty of Graduate Studies, must be met. The Graduate Studies Committee of the Department of English, Theatre, Film & Media expects any thesis submitted to be a mature, well written and thoroughly reasoned discussion of a serious literary question or topic, based upon a carefully researched investigation of the subject, a logically structured presentation of it, and a conclusive analysis that derives from the evidence. Although the length of the <u>critical</u> thesis cannot be arbitrarily fixed, the student should aim for between 20,000 and 25,000 words. <u>Creative M.A. theses involving poetry should be of chapbook length, or approximately 35 to 45 pages of poetry, plus a critical section of approximately 3,000-6,000 words.</u> <u>Creative M.A. theses in prose should be approximately 25,000 to 30,000 words in length.</u>

FGS Academic Guide Regulation 2023/24	Supplementary Regulation
6.7.1.2 Examining Committee The advisor/co-advisor will recommend an examining committee to the Department/Unit Head for approval, which shall then be reported to the Faculty of Graduate Studies on the “Master’s Thesis/Practicum Title and Appointment of Examiners” form. This form must be approved by the Dean of the Faculty of Graduate Studies at least two (2) weeks prior to the distribution of the thesis to committee members for written examination. Usually, the examining committee will be the same as the advisory committee unless otherwise stipulated in the department’s/unit’s supplementary regulations. The examining committee must consist of a minimum of three (3) members (including the advisor/co-advisor), at least two (2) of whom must be members of the Faculty of Graduate Studies. All examiners must be deemed qualified by the Department/Unit Head and be willing to serve. It is usually expected that examination committee members will have a Master’s degree or equivalent. Knowledge Experts and invited members are exempt from this requirement. The composition of, and any changes to, the examining committee, including the advisor/co-advisor, must be approved by the Faculty of Graduate Studies. Individual departments/units establish specific requirements for examination and students should consult department/unit supplementary regulations for specific requirements. Under no circumstances are graduate students, Postdoctoral Fellows, and Research Assistants or Associates to serve on graduate student examining committees, regardless of if they hold a rank of Adjunct Professor. Written Examination The Head of the department/unit arranges for the distribution of the thesis/practicum to the examiners for written examination. A student has the right to an examination of the thesis/practicum if they believe it is ready for examination. It is the department/unit’s responsibility to advise the student of any risk involved should they decide to proceed against the department/unit’s recommendation. It is the duty of all examiners to read the thesis/practicum and report on its merits according to the following categories: • Acceptable, without modification or with minor revision(s); or • Acceptable, subject to modification and/or revision(s); or • Not acceptable. If two or more examiners do not approve the thesis, then the student is deemed to have failed the written examination. The failure must be reported to the Faculty of Graduate studies as “not approved” on the Master’s Thesis/Practicum Final Report form. Note that advisors and co-advisors share a single vote.	<u>with an additional critical section of approximately 3,000-6,000 words.</u> Thesis Defence: Notice must be published at least one week prior to the thesis defence, which is open to any member of the academic community. The Graduate Chair, in consultation with the Advisor, will appoint the two other members of the Examining Committee, one of whom shall be from the Department of English, Theatre, Film & Media and one from a different department. When in the judgement of the Advisor the thesis is complete and ready for defence, the student shall submit three paper copies and one electronic copy to the Graduate Office. The thesis will be distributed by the Graduate Assistant to the three members of the Examining Committee who shall be given a reasonable time to read it (approximately 3 weeks). Members shall indicate to the Graduate Chair in writing whether the thesis is in their view ready for defence. If two or more examiners agree that the thesis is ready for defence, the Graduate Assistant will schedule the oral examination, provided that all language and course requirements have been met. The Graduate Chair will then convene the Examining Committee for a formal examination of the student’s work.

Report of the Faculty Council of the Faculty of Graduate Studies on Course, Program, Supplementary Regulation, and Regulation Changes

Preamble

1. The Faculty of Graduate Studies (FGS) has responsibility for all matters relating to the submission of graduate course, curriculum, program, supplementary regulation and regulation changes. Recommendations for such are submitted by the Faculty Council of Graduate Studies for the approval of Senate.
2. The Faculty Council of Graduate Studies met on the above date to consider a proposal from the Faculty of Kinesiology & Recreation Management.

Observations

1. The **Faculty of Kinesiology & Recreation Management** proposes M.A. and M.Sc. Supplementary Regulation Changes. These include adjusting the Admission requirements to include written confirmation from the advisor along with confirmation of funding to be included to the application prior to the admission deadline. Historically, some advisors provide a letter and others do not. When the letter is provided, it assures the admissions committee that the advisor is aware that the student has selected them as an advisor and of the advisor's intention to accept the student. Also, a conversation about funding prior to acceptance is required to ensure that applicants have all the information needed to make a decision and clears any miscommunication surrounding funding.

The proposal was approved by Faculty of Kinesiology & Recreation Management Council on Sept. 19, 2023.

Recommendations

Faculty Council of Graduate Studies recommends THAT the proposal from the unit listed below be approved by Senate:

Faculty of Kinesiology & Recreation Management

Respectfully submitted,

Dr. Kelley J. Main, Chair
Faculty Council of Graduate Studies

/ak

Comments of the Senate Executive Committee:
The Senate Executive Committee Endorses the Report to Senate.



September 19th, 2023

To: Dr. Kelley Main

Please accept the following edits from the Faculty of Kinesiology and Recreation Management for a change to the supplemental regulations for the MA and MSc programs. The Faculty of Kinesiology and Recreation Management have adjusted the requirements of the Admission and Program requirements 1.1.1, 3.1 and 6.4 to include written confirmation from the advisor along with confirmation of funding to be included to the application prior to the admission deadline.

These Supplemental Regulation changes have been approved by the FCRM Graduate Program Committee on Tuesday, May 2nd and FCRM Faculty Council on Tuesday, September 19th, 2023.

Through the admissions process, the committee noticed that some advisors provide a letter and others do not. When the letter is provided, it assures the committee that the advisor is aware that the student has selected them as an advisor and the advisor's intention to accept the student. Also, a conversation about funding prior to acceptance is to ensure that applicants have all the information needed to make a decision and clears any miscommunication surrounding funding.

Please contact me if you have any questions.

Sincerely,

Leisha Strachan, PhD
FCRM Associate Dean (Research and Graduate Studies)
Faculty of Kinesiology and Recreation Management

LS/jb

vary depending on the program to which the applicant is applying and whether the applicant is domestic or international. Deadlines can be found by clicking the appropriate application program page on the [Graduate programs of study website](#).

Note: International students must pay special attention to transcript requirements (see application form for details).

1.1.1 (b) Applications are subsequently reviewed by the unit offering the program which will decide whether the applicant meets the unit's criteria including, but not limited to, availability of advisors, space, and facilities.

1.1.1 (c) Notification of recommended/rejected applications is sent by the Head of the unit to the Faculty of Graduate Studies. Applications recommended for admission are checked to determine if they meet the Faculty of Graduate Studies' eligibility requirements. The Faculty of Graduate Studies then notifies applicants of their acceptance or rejection.

In addition to the minimum requirements of the [Faculty of Graduate Studies](#), applicants must also provide:

Students entering the program are required to have secured a faculty advisor at time of application and have written confirmation included with their application prior to the admission deadline. The letter from the advisor must also state that funding was discussed with the student and disclose the total amount that was discussed.

1. A Letter of Intent stating his/her desired area of study and research interests.

2. A sample of his/her own written work, in English, of at least 250 words (or a scholarly writing piece).

Applications are reviewed by the Faculty of Kinesiology and Recreation Management Admissions Committee. This committee consists of the Associate Dean (Research & Graduate Studies), two (2) faculty members from the M.A. (Kinesiology & Recreation Management) program and two (2) faculty members from the M.Sc. (Kinesiology & Recreation Management) program.

Recommendations and rejections are forwarded to the Faculty of Graduate Studies for final approval/notification.

1.1.2 Deadlines for Recommended Applications (from Departments/Units to the Faculty of Graduate Studies)

The following are the deadlines for receipt by the Faculty of Graduate Studies of recommendations from departments/units.

Term	Start Date	Canadian/US	International
Fall	September	July 1	April 1
Winter	January	November 1	August 1
Summer	May	March 1	December 1

IMPORTANT: These are not unit-specific application deadlines. Prospective applicants must consult the appropriate application program page on the [Graduate programs of study website](#).

For upcoming application deadlines, please consult the Graduate Program Page: <https://umanitoba.ca/explore/programs-of-study/kinesiology-and-recreation-management-ma-msc>

The normal recommended start date is September; however, applications will be considered on a case-by-case basis for students wishing to apply for Winter or Summer. Please consult the Graduate Program in the Faculty of Kinesiology and Recreation Management for information on these start dates.

Applications received by the deadline for a September start-date will receive first consideration for any available funding. Applications received after the deadline will be considered on a case-by-case basis for any available funding. Please contact the department for further details.

1.1.3 Application Fee

A \$100.00 (CDN) non-refundable fee must accompany an application for admission. The Physician Assistant Studies and Orthodontics programs charge an additional fee of \$25 and \$50, respectively.

FGS Academic Guide Regulation 2022/23	Supplementary Regulation
Students who have not completed GRAD 7300 prior to embarking on a leave of absence must register in the course upon their return to their program. Visiting and Occasional students are not expected to complete <u>GRAD 7300</u>. For further information see <u>GRAD 7300 FAQ</u>.	
2.7 Graduate Focus on Aging Concentration The Graduate Focus on Aging Concentration is available to any interested student who is enrolled in the Faculty of Graduate Studies and whose graduate work is concentrated in aging. To be eligible, a "" form must be submitted to the Faculty of Graduate Studies. Master's or Doctoral students must complete the requirements of the program to which they have been admitted and the requirements of the Graduate Focus on Aging Concentration. The Graduate Focus on Aging Concentration requirements include: 1. Six (6) credit hours of graduate (7000-level or higher) courses that focus on aging and are approved by the student's Advisory Committee; 2. A thesis/practicum on an aging-related topic; 3. Having at least one advisory committee member who is officially affiliated with the Centre on Aging as a <u>Research Affiliate</u>; and 4. Participating in the annual Spring Research Symposium of the Centre on Aging at least once as a poster presenter. Graduate students may be able to attain their 6 credit hours of courses within the existing course requirements of their graduate program. Students must attain a minimum grade of C+ (or higher, if stipulated in the department/unit supplementary regulations), for the required 6 credit hours of aging courses. Graduate students who are not in a thesis/practicum-based program will be considered on a case-by-case basis and will require approval in advance by the Dean of FGS. Student progress in the Graduate Focus on Aging Concentration would normally be discussed with the student's Advisory committee, and progress documented on the "Student Intention to Receive the Graduate Focus on Aging Concentration" form which must accompany the Progress Report form submitted to the Faculty of Graduate Studies. The final <u>Graduate Focus on Aging Concentration Completion</u> form must be submitted no later than at least one week prior to the FGS deadline for graduands to submit theses/practica and other reports.	
SECTION 3: General Regulations: Pre-Master's 3.1 Admission and Program Requirements Graduates of bachelor degree programs with a minimum Grade Point Average (GPA) of 3.0 (or equivalent) in the last two (2) previous years of full-time university study (60 credit hours) may be considered for admission to a Pre-Master's program. Departments/Units may specify higher or additional criteria. <u>Admission to a Pre-Master's program does not guarantee future admission to a Master's program.</u> The purpose of the Pre-Master's program of study is to bring a student's background up to the equivalent of a required four (4)-year undergraduate degree and/or fulfill deficiencies in knowledge of a particular discipline. Departments/Units should assign to students, as part of their Pre-Master's program of study, an appropriate number of applicable upper level (3000 or 4000) undergraduate courses. These courses may not be transferred into a Master's program. Pre-Master's students are not normally allowed to register in 7000-level courses or above, with the exception of <u>GRAD 7300</u> and <u>GRAD 7500</u> (or GRAD 7501), unless prior permission is granted by the Dean of the Faculty of Graduate Studies or designate. If permission is granted, students may take a maximum of three (3) credit hours at the 7000 level or above and these credit hours must be taken	<u>In addition to the minimum requirements of the Faculty of Graduate Studies, applicants to the pre-master's program must provide:</u> 1. A Letter of Intent stating his/her desired area of study and research interests. 2. A sample of his/her own written work, in English, of at least 250 words (or a scholarly writing piece). 3. Two Letters of Recommendation. Preferably, the letters will be written by full time professors who are familiar with the applicant's academic abilities Students entering the pre-master's program are required to have a faculty advisor at time of registration. <u>Students entering the program are required to have secured a faculty advisor at time of application and have written documentation from the advisor</u>

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as Occasional ("O"). A Pre-Master's student may only transfer a maximum of three (3) credit hours at the 7000 level into a prospective Master's program of study.	<u>included with their application prior to the admission deadline. The letter from the advisor must also state that funding was discussed with the student and disclose the total amount that was discussed.</u> Applications are reviewed by the Faculty of Kinesiology and Recreation Management Admissions Committee. Recommendations and rejections are forwarded to the Faculty of Graduate Studies for final decision.
3.2 Academic Performance 3.2.1. The Department/Unit Head is responsible for assigning the courses and monitoring the progress of each student. 3.2.2. A minimum degree grade point average of 3.0 with no grade below C+ must be maintained to continue in a Pre-Master's program. Students who fail to maintain this standing will be Required to Withdraw unless remedial action recommended by the department/unit (as described below) is approved by the Dean of the Faculty of Graduate Studies. 3.2.3. Students deficient in six (6) hours of credit or less may be permitted to write a supplemental examination (when offered in the department/unit's supplementary regulations) in courses in which a grade of C or less was obtained. 3.2.4. Students deficient in six (6) hours of credit or less with a grade of C, D, or F in a course or courses may be permitted, if the overall average is C or better, to write one (1) supplemental examination in each course (when permitted by the department/unit's supplementary regulations), to repeat the courses, or to take equivalent substitute courses. A student may be permitted to remove deficiencies in grades by writing a supplemental examination or repeating courses only one (1) time for each course to a maximum of nine (9) credit hours of remedial coursework. If a course is repeated or a supplemental examination is written, the highest grade obtained in that course will be used in the determination of the degree GPA. The degree GPA is cumulative in a Pre-Master's program if more than one (1) year is required to complete the course requirements. A summary of all action taken administratively is to be reported to the Faculty of Graduate Studies Executive Committee.	Academic Requirements: Pre-master's students normally must complete a minimum of 24 credit hours of course work approved by the faculty advisor and Associate Dean (Research & Graduate Studies) with at least 12 credit hours at the upper level (3000/4000). Note: It is <i>strongly recommended</i> that students in the Pre-Master's program complete six (6) credit hours of approved course work in research methods and/or statistics during their undergraduate degree or Pre-Master's program.
SECTION 4: General Regulations: Micro-Diploma 4.1 Program Requirements A Graduate Micro-Diploma is a short, flexible program of study focused on core knowledge in a field or interdisciplinary field of study at the graduate level. A Graduate Micro-Diploma consists of a minimum of six (6) credit hours to a maximum of nine (9) credit hours of coursework at the 7000-level or above. It may be stand alone and/or embedded in a graduate degree. A minimum of six (6) credit hours must be delivered by The University of Manitoba. All students should consult department/unit supplementary regulations for specific details regarding a particular Graduate Micro-Diploma.	
4.2 Admission Students who are eligible to be considered for direct admission to a program of study leading to the Graduate Micro-Diploma include:	

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may not exceed 50% of the minimum credit hours of coursework required of the student's graduate program at The University of Manitoba. Permission is granted in the form of a <u>Letter of Permission</u> which may be obtained by making an application to the Registrar's Office; an official transcript and course equivalency must be provided.	
6.3.6 Time in Program The minimum time for students in the Master's program is equivalent to two (2) terms (8 months). Completion of most programs requires more than this and students should check department/unit supplementary regulations regarding specific requirements. The maximum time allowed for the completion of the Master's degree is four (4) years for students declared as full-time and six (6) years for students declared as part-time (see <u>Student Status/Categories of Students</u> for information on calculating maximum time for students). Individual departments/units and/or programs may have specified minimum and maximum time limits. Requests for extensions of time to complete the degree will be considered on an individual basis and must be submitted to the Dean of the Faculty of Graduate Studies using the "<u>Time Extension Request</u>" form at least three (3), but no more than four (4), months prior to expiration of the respective maximum time limit. A student who has not completed the degree requirements within the time limit or within the time limit of the extension will be Required to Withdraw from the Faculty of Graduate Studies and the notation on the student record will be "Required to Withdraw".	
6.4 Student's Advisor and Co-Advisor 6.4.1 Student's Advisor Each student should have an advisor upon entry into the program, and must have one assigned no later than one (1) term following initial registration. Advisors are required for thesis/practicum routes, but not usually course-based routes or some comprehensive exam routes. In department/units where the choice of thesis/practicum topic and thesis/practicum advisor are postponed after a student's entry into the program, the Department/Unit Head, within one (1) term, shall appoint a faculty member to advise the student in the interim period before the regular advisor is assigned or chosen. Students must have an advisor through to the end of their program in programs requiring an advisor. The advisor is responsible for supervising the student's graduate program. The advisor is the student's first point of contact at the University of Manitoba and must be familiar with the general policies and regulations of the Faculty of Graduate Studies as well as the specific supplementary regulations of their academic department/unit. In this capacity, the advisor assists the student in planning the graduate program and ensures that the student is aware of all graduate program requirements, degree regulations, and general regulations of the academic department/unit, the Faculty of Graduate Studies, the university, and external funding agencies. The advisor provides counsel for all aspects of the graduate program, and stays informed of the student's scholarly activities and progress. The student's advisor also acts as a channel of communication to the student's advisory committee, the department/unit and the Faculty of Graduate Studies. The advisor must: - hold an appointment in the student's department/unit; - be a member of the Faculty of Graduate Studies (see the FGS website for details); - hold at least a Master's degree or equivalent (see note below);	<u>Students entering the program are required to have secured a faculty advisor at time of application and have written documentation from the advisor included with their application prior to the admission deadline. The letter from the advisor must also state that funding was discussed with the student and disclose the total amount that was discussed. Students entering the program are required to have identified a faculty advisor at time of application.</u> Adjunct and cross appointments (internal and external to the University of Manitoba) to the Faculty of Kinesiology and Recreation Management will require a co-advisor whose primary appointment is from within the Faculty of Kinesiology and Recreation Management in order to supervise graduate students.

Report of the Faculty Council of the Faculty of Graduate Studies on Course, Program, Supplementary Regulation, and Regulation Changes

Preamble

1. The Faculty of Graduate Studies (FGS) has responsibility for all matters relating to the submission of graduate course, curriculum, program, supplementary regulation and regulation changes. Recommendations for such are submitted by the Faculty Council of Graduate Studies for the approval of Senate.
2. The Faculty Council of Graduate Studies met on the above date to consider a proposal from the Dept. of Occupational Therapy.

Observations

1. The **Dept. of Occupational Therapy** proposes M.O.T. Supplementary Regulation Changes. This entails two changes to admissions and one to add reference to the Professional Unsuitability Bylaw.

In section 1.1.1, the resume and letter of introduction are currently not used in the selection of students for the admissions interview, or for the selection of students to the Master of Occupational Therapy Regular program. Therefore, this requirement is no longer needed. Eliminating this requirement will not change the MOT's admissions and selections processes in any way and reduces the amount of work required by students to apply to the program, increasing accessibility.

In section 1.1.9, the name of the company that owns CASPer has changed. Also, dates for results are no longer included in the MOT Application Guide; applicants are referred to the Acuity website.

Section 6.6.5, a reference and link to the Professional Unsuitability Bylaw has been added which came into effect on September 1, 2021.

The proposal was approved by the Dept. of Occupational Therapy council on May 29, 2023.

Recommendations

Faculty Council of Graduate Studies recommends THAT the proposal from the unit listed below be approved by Senate:

Dept. of Occupational Therapy

Respectfully submitted,

Dr. Kelley J. Main, Chair
Faculty Council of Graduate Studies

/ak

Comments of the Senate Executive Committee:
The Senate Executive Committee Endorses the Report to Senate.



June 16, 2023

Dr. Kelley Main, Dean
Faculty of Graduate Studies
500 University Centre
Fort Garry Campus

Re: Changes to the MOT Supplemental Regulations

Dear Kelly,

Please find below several recommended changes and rationale for the changes for the Master of Occupational Therapy Supplemental Regulations. I have attached the revised Supplemental Regulations with the suggested changes highlighted using track changes in the documents. All changes were approved by OT Council on May 29, 2023 and are being forwarded to CoRS Council for information.

Summary of Changes to MOT Supplemental Regulations:	Rationale for changes to Supplemental Regulations
1. 1.1.1 Deletion – Applicants are also <u>required</u> to submit: - a one page letter of introduction; - a resume outlining academic, volunteer and work experience; - proof of Indigenous ancestry (copy of Treaty card, Manitoba Métis membership card, or letter from Band Council; copy of Nunavut Trust Certificate card), if applicable	These requirements were introduced at the inception of the Master of Occupational Therapy Regular program. The resume and letter of introduction are currently not used in the selection of students for the admissions interview, or for the selection of students to the Master of Occupational Therapy Regular program. Therefore, this requirement is no longer needed. Eliminating this requirement will not change our admissions and selections processes in any way and reduces the amount of work required by students to apply to the program, increasing accessibility.
2. 1.1.9 Revision – CASPer Test administered by Altus Assessments Acuity Insights: a minimum Z-Score of greater than 2.0 standard deviations below the mean is required. The	The name of the company that owns CASPer has changed so updating reference. Also, dates for results no longer included in MOT Application Guide; applicants are referred to Acuity website.

minimum Z-Score does not apply to applicants to the Canadian Indigenous Peoples category. Results must be distributed to the MOT program at the University of Manitoba by the date indicated in the MOT Application Guide on the Acuity Insights website: dates and fees in order to be considered.	
3. 6.6.5 Addition – adding reference to Professional Unsuitability Bylaw that came into effect on September 1, 2021.	Under Personal Integrity section, adding reference to Professional Unsuitability Bylaw, as recommended in consultation with Faculty of Graduate Studies.

I appreciate your attention to this matter, and if there is anything else you require, please do not hesitate to contact me.

Sincerely,



Leanne Leclair, PhD
Associate Professor and Head
Department of Occupational Therapy

Attach.

cc: Dr. Todd Duhamel, Associate Dean (Health Sciences), Faculty of Graduate Studies
Ms. Andrea Kailer, Confidential Assistant to the Associate Deans & Programs Coordinator
Ms. Kasey Morgan, Assistant Programs Coordinator

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"Master's student" shall be taken to mean an individual pursuing a Master's degree. This individual is considered a student up until successful completion of their Master's degree, after which they are a graduate of the Master's program. "Ph.D. candidate" or "doctoral candidate" shall be taken to mean an individual who is pursuing a Ph.D. degree and who has successfully completed all required coursework, passed the candidacy examinations, and has an approved thesis proposal. Prior to achieving these milestones, the individual is considered a "Ph.D. student" or "doctoral student."	
1.1 Application and Admission Procedures The application (and all required documentation) is to be submitted directly to the Faculty of Graduate Studies via the online application system. Applicants should contact the department/unit to which they are applying for the procedures and requirements which are specific to the program of application. Contact information for each department/unit can be found on the Graduate programs of study website. 1.1.1 Process: 1. A completed official application for admission form must be submitted, together with the application fee and supporting documentation, to the Faculty of Graduate Studies, via the online application system. Applicants are required to submit the application and documentation to the Faculty of Graduate Studies in time to meet the application deadline in place for a particular department/unit. Deadlines vary depending on the program to which the applicant is applying and whether the applicant is domestic or international. Deadlines can be found by clicking the appropriate application program page on the Graduate programs of study website. 2. Applications are subsequently reviewed by the unit offering the program which will decide whether the applicant meets the unit's criteria including, but not limited to, availability of advisors, space, and facilities. The unit Head will submit their recommended decisions (i.e., acceptance or rejection) to the Faculty of Graduate Studies. The unit should not notify applicants of their recommendations. 3. Applications recommended for admission are checked to determine if they meet the Faculty of Graduate Studies' eligibility requirements. The Faculty of Graduate Studies then notifies applicants of their acceptance or rejection.	<i>Department of Occupational Therapy, College of Rehabilitation Sciences, University of Manitoba, R106 - 771 McDermot Avenue, Winnipeg, MB R3E 0T6 Canada Phone: 204 789-3897 Fax: 204 789-3927 Email: CORS.MOTprogram@umanitoba.ca Web: https://umanitoba.ca/rehabilitation-sciences/</i> The Master of Occupational Therapy (MOT) degree is a professional practice degree that can be obtained through participation in either a <u>Regular</u> program or an <u>Accelerated</u> program option. The Regular program option is for individuals who do not have a previous degree in occupational therapy. The Accelerated option is for occupational therapists who have a Bachelor of Medical Rehabilitation (Occupational Therapy) degree or equivalent. Applications are submitted directly to the Faculty of Graduate Studies via the online application system. Regular Program Applicants are also <u>required</u> to submit: ➤ a one-page letter of introduction; ➤ a resume outlining academic, volunteer and work experience; ➤ proof of Indigenous ancestry (copy of Treaty card, Manitoba Métis membership card, or letter from Band Council; copy of Nunavut Trust Certificate card), if applicable. Accelerated Program Applicants are also <u>required</u> to submit: ➤ a one-page letter of introduction; ➤ a resume outlining academic, volunteer and work experience; ➤ proof of having passed the CAOT Certification Exam or of eligibility for registration, in Manitoba, by the College of Occupational Therapists of Manitoba; ➤ two letters of reference.
1.1.2 Deadlines for Recommended Applications (from Departments/Units to the Faculty of Graduate Studies)	For upcoming application deadlines, please consult the Graduate Program Page:

FGS Academic Guide Regulation 2023/24	Supplementary Regulation
Thresholds required for successful completion are indicated in parentheses. • Test of English as a Foreign Language (TOEFL) Internet based -iBT® (86; minimum score of 20 in each of reading, writing, listening and speaking categories). The “best score” will not be considered for admission. Only individual test scores will be used to meet the minimum requirements. • International English Language Testing System (IELTS™) (6.5 in the Academic Module) • Intensive Academic English Program (IAEP) minimum score required: Pass Level 5/AEPUCE Academic English Program for University and College Entrance (AEPUCE) (65%) • PTE Academic (61% overall) Note: Some units may require a specific test or test scores greater than those indicated above. Students should check department/unit supplementary regulations for details. Applicants holding secondary school diplomas and/or recognized university degrees from countries on the Faculty of Graduate Studies English Language exemption list are not required to submit an English Language Proficiency score. For more information please see our website.	TOEFL (<i>iBT</i>) – a minimum total score of 100 is required, with a score of 22 in each of Reading, Writing, Listening, and Speaking.
1.1.8 Letters of Recommendation Letters of Recommendation are to be completed via the online application. Recommendation letters submitted via post or email are not accepted. Applicants are required to add their ‘Recommendation Provider(s)’ contact information so that each recommender is sent an automated email notification. Generally, two (2) Letters of Recommendation must be submitted to the Faculty of Graduate Studies. The number of required recommendation letters for an application for admission is stated on the program’s webpage which is available at this link. Units may have different requirements on the number of and content required in recommendation letters.	Not required for MOT Regular program.
1.1.9 Admission Tests Some departments/units require admissions tests, such as the Graduate Record Examination (GRE®) or the Graduate Management Aptitude Test (GMAT™). These requirements are listed in the department/unit’s supplementary regulations. If required, the scores must be submitted at the time of application.	CASPer Test administered by Altus Assessments Acuity Insights: a minimum Z-Score of greater than 2.0 standard deviations below the mean is required. The minimum Z-Score does not apply to applicants to the Canadian Indigenous Peoples category. Results must be distributed to the MOT program at the University of Manitoba by the date indicated in the MOT Application Guide on the Acuity Insights website: dates and fees in order to be considered.
1.1.10 Entrance Requirements The minimum standard for acceptance into any category in the Faculty of Graduate Studies is a 3.0 Grade Point Average (GPA) (or equivalent) out of 4.5 in the last two (2) years of full-time university study or last 60 credit hours. (GPA equivalency information available at this link: Graduate studies admission requirements Faculty of Graduate Studies University of Manitoba (umanitoba.ca)) Note: This is the minimum requirement of the Faculty of Graduate Studies and departments/units may have higher standards and additional criteria.	

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6.6.5 Performance not related to Coursework In some departments/units and program routes, students are required to demonstrate satisfactory academic performance in areas not related to performance in courses (including, but not limited to, attendance at or participation in lectures, seminars and laboratories and progress in research, thesis, or practicum). The specific nature of satisfactory academic performance is outlined in individual department/unit supplementary regulations and students should consult these supplementary regulations for specific requirements. Unsatisfactory performance must be reported to the Faculty of Graduate Studies on the "Progress Report" form. Students who fail to maintain satisfactory performance may be Required to Withdraw on the recommendation of the Department/Unit Head to the Dean of the Faculty of Graduate Studies.	experience just prior to graduation and entry into occupational therapy practice. <u>Professional Behaviour</u> As an entry to practice professional degree program, there are program expectations designed to ensure that students in the program are developing the competencies and accountability standards that reflect the public expectation of practicing professionals in the field. As such, students are expected to take responsibility for their learning and to adhere to policies of attendance and participation related to classes and fieldwork placements. <u>Personal Integrity</u> Each student must provide results of a Child Abuse Registry Check, an Adult Abuse Registry Check, and a Criminal Record Check. Any student who demonstrates behaviour with respect to other students, colleagues, faculty, clients or the general public that is exploitative, irresponsible, or destructive or unsafe in connection with any work engaged in while enrolled in the program will be subject to discipline as described in the Master of Occupational Therapy Professional Unsuitability Bylaw and the University of Manitoba Student Discipline By-Law: https://umanitoba.ca/governance/governing-documents-students#student-discipline
6.7 Academic Requirements for Graduation All students must: • maintain a minimum degree grade point average (DGPA) of 3.0 with no grade below C+; • complete GRAD 7500 • complete GRAD 7300 • meet the minimum and not exceed the maximum course requirements; and • meet the minimum and not exceed the maximum time requirements for program completion and lapse and expiration of course credit Individual departments/units may have additional specific requirements for graduation and students should consult department/unit supplementary regulations for these specific requirements.	
6.7.1 Thesis/Practicum Route 6.7.1.1 Thesis vs. Practicum Students must demonstrate their mastery of the field and that they are fully conversant with the relevant literature through their thesis/practicum. The thesis/practicum will usually be written in English but may be written in French. Departmental/unit supplementary regulations may allow the thesis/practicum to be written in a language other than English or French. Committee members must be able to evaluate the thesis/practicum in the chosen language.	Not applicable for MOT program.

Report of the Faculty Council of the Faculty of Graduate Studies on Course, Program, Supplementary Regulation, and Regulation Changes

Preamble

1. The Faculty of Graduate Studies (FGS) has responsibility for all matters relating to the submission of graduate course, curriculum, program, supplementary regulation and regulation changes. Recommendations for such are submitted by the Faculty Council of Graduate Studies for the approval of Senate.
2. The Faculty Council of Graduate Studies met on the above date to consider a proposal from the College of Pharmacy.

Observations

1. The **College of Pharmacy** proposes Ph.D. Supplementary Regulation Changes.

In section 7.4., students are permitted to take PHRM 7102 Pharmacoepidemiology (3) or PHRM 7202 Advanced Topics in Pharmacoepidemiology 1 (3). This was always the intention and serves to correct the supplementary regulations.

section 7.8., the process by which the themes for the candidacy exam are documented is changed from 6 months prior to the candidacy exam to 2 months prior. The advisor will send the list of the themes to the PGSC chair. Alternate themes may be proposed, and the timeline for such is revised from 9 months prior to the candidacy examination, to 3 months prior. A statement has been added that “students in the pharmacoepidemiology concentration may have two themes on distinct pharmacoepidemiology topics.”

In section 7.9, the statement “If it is more than 18 months after the start of the program, there should be a committee meeting to draft a letter to explain the reasons for delay to the PGSC and whether these delays make timely program completion viable” has been added.

The proposal was passed by the College of Pharmacy Graduate Studies Committee on January 9, 2023.

Recommendations

Faculty Council of Graduate Studies recommends THAT the proposal from the unit listed below be approved by Senate:

College of Pharmacy

Respectfully submitted,

Dr. Kelley J. Main, Chair
Faculty Council of Graduate Studies

/ak

Comments of the Senate Executive Committee:
The Senate Executive Committee Endorses the Report to Senate.

May 9, 2023

The revisions were approved at the College of Pharmacy Graduate Studies Committee on Monday, January 9, 2023.

The red text is new text.

The blue text is reason for change

- Page 38 (7.4 Program Requirements):

Core courses (6 CH):

- PHRM 7302-Advanced Topics in Pharmacoepidemiology 2 (3 CH)*

- PHRM 7260-Pharmacy Seminar 1 PhD (3 CH)

* Prerequisite courses for PHRM 7302 are PHRM 7102-Pharmacoepidemiology (3 CH) or equivalent or PHRM 7202-Advanced Topics in Pharmacoepidemiology 1 (3 CH) or equivalent.

Reason for change: this was a typo, where the courses in the concentration in pharmacoepidemiology for PhD students are described. The correction is where “and” is replaced with “or”. This was clearly something lost in translation at the time.

- Page 43 (7.8 Candidacy Examination):

The advisor, in consultation with the student and the Advisory Committee, will determine the themes to be examined at least ~~6~~ 2 months prior to the Candidacy Examination and will send the list by e-mail to the PGSC chair. Students are encouraged to further consult with Advisory Committee members in preparation for this exam.

Reason for change: - changes from 6 months to 2 months prior to the candidacy exam to choose the themes (similar to Community Health Sciences)

- Process by which you can document the themes

Alternate themes not listed above may be proposed by the advisor, in consultation with the student and the Advisory Committee, at least ~~9~~ 3 months prior to the Candidacy Examination. These will be considered by the PGSC within 2 weeks of submission and may, or may not, be accepted; students in the pharmacoepidemiology concentration may have two themes on distinct pharmacoepidemiology topics.

Reason for change: Changes to themes outside of the approved list: changes from 9 months to 3 months

- Exception for student Pharmacoepidemiology concentration may have two themes and distinct Pharmacoepidemiology topics

- Page 44 (7.9 Thesis Proposal):

Scheduling: The Thesis Proposal and presentation will occur at a time specified by the Advisory Committee, as soon as possible after preliminary studies are performed, but prior to any substantial portion of the research toward the Ph.D. thesis. For most students, the Thesis Proposal will be completed during the first year of their Ph.D. program. If it is more than 18 months after the start of the program, there should be a committee meeting to draft a letter to explain the reasons for delay to the PGSC and whether these delays make timely program completion viable.

There are two changes. One is to clarify the pharmacoepidemiology concentration rules. FGS found the rules ambiguous when the first student graduated and so we decided to make these results more clear. Two is to improve the preparation process for the candidacy exam. Actual practice in the department had long diverged from the 6 months and resulted in student hardship when this was discovered. We are amending the duration to better represent the actual time that students and examiners think is the minimum time required, with students always having the option to add more time. Similarly, with the pharmacoepidemiology concentration, there was an increasing number of cases where the most relevant themes for the exam were in the broad field of “pharmacoepidemiology” and it seemed like a poor use of resources to keep approving these meritorious exceptions for an entire concentration.

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	Core courses (6 CH): •PHRM 7302-Advanced Topics in Pharmacoepidemiology 2 (3 CH)* •PHRM 7260-Pharmacy Seminar 1 PhD (3 CH) * Prerequisite courses for PHRM 7302 are PHRM 7102-Pharmacoepidemiology (3 CH) or equivalent and/or PHRM 7202-Advanced Topics in Pharmacoepidemiology 1 (3 CH) or equivalent. 6 additional CH will be obtained from elective courses chosen from the following options and/or upon recommendation of the student's advisor. •PHRM 7120-Medical and Scientific Writing (3 CH) •PHRM 7270-Pharmacy Seminar 2 PhD (3 CH) •CHSC 7830-Advanced Biostatistics for Community Health Sciences (3 CH) •CHSC 7540-Advanced Epidemiology (3 CH) •CHSC 7850-Advanced Biostatistical Methods for Hierarchical and Longitudinal Data (3 CH) •CHSC 7840 – Current Topics in Biostatistics: Design and Analysis (3 CH) •CHSC 7362- Systematic Reviews and Meta-Analysis (3 CH) Other credited learnings from the University of Manitoba may be considered for program fulfilment with approval from the student's advisor and the Chair of the Pharmacy Graduate Studies Committee, and with permission from the coordinator of the course. Courses from other institutions may be considered but must obtain additional approval from the Dean of Pharmacy.
7.4.1 Language Requirements Some departments/units specify a language requirement for the Ph.D. degree. Students are advised to consult department/unit supplementary regulations regarding this requirement.	
7.4.2 Advance Credit Advance credit for courses completed prior to admission to a Ph.D. program will be considered on a case-by-case basis. The student's department/unit makes the request to the Faculty of Graduate Studies by completing the "<u>Advance Credit-Transfer of Courses</u>" form. • Application for advance credit must be made within the first year of the program (please refer to <u>Lapse or Expiration of Credit of Courses</u>) • No more than 50% of the required coursework for the program can be achieved using advance credit. • A course may not be used for credit toward more than one degree, diploma, micro-diploma or certificate. • The student must register at the University of Manitoba for at least two consecutive terms and must also complete the thesis and candidacy examination at The University of Manitoba. Regardless of the extent of advance credit received, all students are required to pay applicable program fees.	

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Any student who fails the candidacy examination twice will be Required to Withdraw from the Faculty of Graduate Studies and the notation on the student record will be "Required to Withdraw". On successful completion of this examination, the student will be considered a candidate for the Ph.D. degree.	that questions are asked fairly (with cognizance of the nature of the student's research project), and monitoring the time allowed for the Candidacy Examination. Format of the examination: The Candidacy Examination will consist of written and oral components and shall be open to all faculty-level members of Pharmacy, and the University of Manitoba. Both the written overview and the oral presentation visual aids will be submitted to the members of the Examining Committee at least one week prior to the date of the oral examination. Written Component: The written component of the examination will comprise an overview (written in technical/scientific language) of each of the two themes (see below) selected as they relate to the student's field of study (1500 words each). Oral Component: The Chair will begin the examination by outlining the procedure. The student will make a 20 minute oral presentation, in plain language, i.e.: at a level understandable by a non-expert audience member, on the general field of study. It should be noted that the ability of the candidate to communicate his/her field of study clearly and within the time required is considered part of the examination process and will be considered when deciding the result of the examination. The examiners will be invited to pose questions; each examiner will be initially allowed approximately 20 minutes to pose their questions. If time permits, examiners may raise additional matters after hearing the initial round of questions. The questions, which will be developed by individual examiners, are intended to evaluate: i. the depth of background knowledge in the research area (i.e. knowledge of the pertinent literature); ii. the breadth of overall knowledge as pertains to the field of study in two of the following themes: • medicinal chemistry • pharmaceutical sciences • basic medical science • pharmacoeconomics • pharmacoepidemiology • pharmaceutical policy • pharmacy practice • patient/medication safety • clinical pharmacy The advisor, in consultation with the student and the Advisory Committee, will determine the themes to be examined at least <u>62</u> months prior to the Candidacy Examination <u>and will have sent the list by email to the PGSC chair</u>. Students are encouraged to

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	further consult with Advisory Committee members in preparation for this exam. Alternate themes not listed above may be proposed by the advisor, in consultation with the student and the Advisory Committee, at least <u>93</u> months prior to the Candidacy Examination. These will be considered by the PGSC within 2 weeks of submission and may, or may not, be accepted; <u>students in the pharmacoepidemiology concentration may have two themes on distinct pharmacoepidemiology topics.</u> iii. critical thinking skills. The time allocated to each examiner will be at the discretion of the Chair but the total length of the examination, including presentation and questions, will not exceed two hours. At the end of the examination, the student, along with the audience, will be asked to leave so that a confidential meeting of the Examining Committee may be held. Each examiner will be asked, in sequence, to comment on the student's performance and on whether the candidate should Pass or Fail the Candidacy Examination. Performance during all aspects of the examination (written overview, oral presentation, and response to questions) will be considered; unsatisfactory performance in any one or combination of these aspects is sufficient to warrant a Fail decision. The decision to award a Pass must be unanimous; a split decision is considered a Fail. The result of the examination will be reported, in writing, to the student, the Chair of the PGSC, the Pharmacy Associate Dean (Research), the Dean of the College of Pharmacy, and on the "Report on the Ph.D. Candidacy Examination" form submitted to the Faculty of Graduate Studies. A student who fails the Candidacy Examination is allowed one additional attempt, no later than 6 months after the first attempt.
7.9 Thesis Proposal Some departments/units have specific procedures in place for approval of thesis proposals and students are advised to refer to the specific department/unit supplementary regulations. The thesis proposal must be independent from the candidacy examination. No recordings will be permitted of the evaluation of the thesis proposal. The proposed thesis research must be approved by the advisory committee and, if necessary, by the Human Research Ethics Board or Animal Care Committee before the work has begun on the thesis research or project.	Goals: The goals of the Thesis Proposal are to examine the student's understanding in their area of specialization, and to provide the student and advisor with a critical appraisal of the research proposed for the thesis. Scheduling: The Thesis Proposal and presentation will occur at a time specified by the Advisory Committee, as soon as possible after preliminary studies are performed, but prior to any substantial portion of the research toward the Ph.D. thesis. For most students, the Thesis

Proposal will be completed during the first year of their Ph.D. program. If it is more than 18 months after the start of the program, there should be a committee meeting to draft a letter to explain the reasons for delay to the PGSC and whether these delays make timely program completion viable.

Format: The Thesis Proposal will consist of a written proposal and an oral presentation.

Written Proposal: The written proposal is intended to allow the Advisory Committee to understand the rationale, hypothesis, and approach to the study. There should be enough detail to evaluate the research methods, feasibility, and timeline. The written proposal should be developed between the student and advisor, and in consultation with the Advisory Committee if required, and submitted to the Advisory Committee at least one week prior to the date of the presentation. As a general guideline, the written proposal should be 5-10 pages in length excluding reference list, figures, tables, and appendices.

Oral Presentation: At least two weeks prior to the date of the presentation, the student must provide both notice of the presentation, and the written proposal, to the Pharmacy Graduate Program Administrator. It is the student's responsibility to confirm the date and availability of the advisor, the Advisory Committee, and a non-voting Chair, normally a member of the PGSC. The student will present the proposal publicly and defend it before both faculty and students. 30 minutes will be allowed for the presentation, and one hour for questioning by members of the Advisory Committee.

Evaluation: Immediately following the Oral Presentation deliberations, the Advisory Committee shall advise the student with constructive comments and suggestions for improving the thesis proposal. The Advisory Committee will then meet in camera. Each member will be asked to vote on whether the proposal is satisfactory. If the proposal is satisfactory, a copy of the final proposal (with minor revisions as appropriate) will be placed on file with the student's records in the Dean's office. If the proposal is not satisfactory, revisions will be made by the student in conjunction with the advisor, and the revised proposal will be re-submitted to the Advisory Committee within 2 weeks. A copy of the final proposal will be filed with the student's records in the Dean's office. Once the proposal is approved, the "Ph.D. Thesis Proposal" form will be completed and returned to the Faculty of Graduate Studies.

Report of the Faculty Council of the Faculty of Graduate Studies on Course, Program, Supplementary Regulation, and Regulation Changes

Preamble

1. The Faculty of Graduate Studies (FGS) has responsibility for all matters relating to the submission of graduate course, curriculum, program, supplementary regulation and regulation changes. Recommendations for such are submitted by the Faculty Council of Graduate Studies for the approval of Senate.
2. The Faculty Council of Graduate Studies met on the above date to consider a proposal from the Dept. of Political Studies.

Observations

1. The **Dept. of Political Studies** proposes M.A. Supplementary Regulation Changes. These will improve clarity on (1) who can act as the chair of an oral examination and (2) who can serve on a thesis advisory committee. The third (3) proposed change updates language to better represent the work of the graduate administrator.

The proposal was approved by Arts CPAC and Executive Committees on August 8th and 30th, 2023, respectively.

Recommendations

Faculty Council of Graduate Studies recommends THAT the proposal from the unit listed below be approved by Senate:

Dept. of Political Studies

Respectfully submitted,

Dr. Kelley J. Main, Chair
Faculty Council of Graduate Studies

/ak

Comments of the Senate Executive Committee:
The Senate Executive Committee Endorses the Report to Senate.

MEMORANDUM

TO: CPAC and Faculty of Graduate Studies

FROM: Dr. Karine Levasseur, CPAC Representative, Department of Political Studies,
Faculty of Arts

DATE: April 4, 2023

RE: Proposed changes to MA Political Studies Supp Regs

The Department of Political Studies proposes two minor changes in our M.A. Supplemental Regulations to improve clarity on (1) who can act as the Chair of an Oral Examination and (2) who can serve on a Thesis Advisory Committee. The third (3), and final proposed change, updates language to better represent the work of the Graduate Administrator.

Three proposals were approved on April 4, 2023 by Department Council and August 8, 2023 by Faculty of Arts Course and Programs Approvals Committee (CPAC).

1. We are proposing a change to language to clarify rules on who can serve on the Thesis Advisory Committee.

We are proposing a change to language in Section 6.5.2 Thesis / Practicum Route in our Supplemental Regulations to resolve confusion that could arise from our current wording. For example, it's not possible to be a non-departmental faculty member from inside the department.

The current wording in Section 6.5.2 Thesis / Practicum Route reads:

The thesis advisor will submit to the Graduate Chair in writing the name of one additional departmental faculty member and one non-departmental faculty member chosen from inside the department, within the University of Manitoba community (and outside the department), or outside the University of Manitoba to serve on the Thesis Advisory Committee. At least two members of the Advisory Committee must be members of the Faculty of Graduate Studies.

The new proposed wording reads (**bold** below indicate changes):

The thesis advisor will submit to the Graduate Chair in writing, **the names of two individuals who can serve as the Thesis Advisory Committee. One of the submitted names must be a member of the Department of Political Studies. The second submitted name can be either: a University of Manitoba faculty member or a faculty member outside the University of Manitoba who has extensive expertise and experience related to the student's thesis work. The thesis advisor can also choose to propose a Knowledge Expert as the third member of the**

Thesis Advisory Committee. Knowledge Experts are individuals from the larger academic and/or non-academic communities who have specific and extensive expertise and experience related to the student's thesis work. If a Knowledge Expert is proposed, the advisor must submit a written justification to the Graduate Chair that explains how the proposed Knowledge Expert's specific and extensive expertise and experience is related to and will enhance the student's program of thesis research. The Graduate Chair will consider and decide on the proposed Knowledge Expert's inclusion on the committee. At least two members of the Thesis Advisory Committee must be members of the Faculty of Graduate Studies.

This wording more clearly articulates the departmental procedure for forming a Thesis Advisory Committee and who can serve on the committee. In addition, this new text introduces the ability to propose a Knowledge Expert, which is important because the Department of Political Studies teaches and researches in areas such as Indigenous governance, Indigenous-settler relations and other areas that may benefit from a Knowledge Expert.

This wording is now inserted with track changes in Section 6.5.2 Thesis / Practicum Route in the accompanying copy of our Supplemental Regulations (page 27 of 62).

2. We propose new wording to clarify who can serve as the Examination Chair of the oral defence.

The current Section 6.7.1.3 Oral Examination reads:

The oral examination has a maximum duration of two hours and consists of a defence of the candidate's thesis before the thesis examination committee and another departmental faculty member appointed by the Graduate Chair who will act as non-voting chair of the oral defence. Such a defence invariably requires that the student demonstrate a sound knowledge of the field in which the thesis has been submitted. The oral examination is open to members of the university community.

The new proposed wording reads (**bold** below indicate changes):

*The oral examination has a maximum duration of two hours and consists of a defence of the candidate's thesis **in front of the Thesis Advisory Committee and an Examination Chair. The Examination Chair is appointed by the Department's Graduate Chair. The Examination Chair will be a faculty member who is normally a member of the Department of Political Studies. The Examination Chair has a non-voting role.** Such a defence invariably requires that the student demonstrate a sound knowledge of the field in which the thesis has been submitted. The oral examination is open to members of the university community.*

The new wording introduces language to differentiate the Examination Chair versus Graduate Chair to disambiguate the two uses of Chair in the previous wording.

This new wording is inserted with track changes in Section 6.7.1.3 Oral Examination in the accompanying copy of our Supplemental Regulations (pages 31-32 of 62).

3. We propose updating language that more adequately reflects the important work staff perform in the MA Program.

The current Section 6.7.1.3 Oral Examination reads:

“The completed thesis should be delivered to the Graduate Secretary, who will arrange for its distribution to the examiners. The thesis examiners (normally the members of the Thesis Advisory Committee who passed the proposal) will read and report on its merits according to the following categories: Approved or Not Approved.”

The new proposed wording reads (**bold** below indicate changes):

“The completed thesis should be delivered to the **Political Studies** Graduate **Administrator**, who will arrange for its distribution to the examiners. The thesis examiners (normally the members of the Thesis Advisory Committee who passed the proposal) will read and report on its merits according to the following categories: Approved or Not Approved.”

The term ‘secretary’ does not adequately represent the work completed by staff. Moreover, the term is highly gendered and implies less work than what is performed. Under S. 1.1.2, the term ‘Political Studies Graduate Administrator’ is used already so this proposed change keeps pace with societal values already reflected in our MA Supp Regs.

This new wording is inserted with track changes in Section 6.7.1.3 Oral Examination in the accompanying copy of our Supplemental Regulations (pages 31-32 of 62).

Thank you for your time and that of your committees for considering our proposed changes,

Karine Levasseur, Ph.D.
CPAC Representative
Department of Political Studies
Faculty of Arts

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support from other offices including, but not limited to, Student Advocacy & Case Management and the Student Counselling Center. It is the responsibility of the department/unit offering the program in which the student is studying to arrange an alternate advisor if this is appropriate and necessary. All students should consult department/unit supplementary regulations for specific details regarding advisor/co-advisor requirements. Departments/units who have difficulty finding an alternate advisor need to consult with the Faculty of Graduate Studies' Associate Dean working with the department/unit for support to pursue all reasonable options given the theoretical and research expertise required of an advisor in relation to the thesis/practicum. If an advisor cannot be secured within one term, the student cannot remain in their program. * In department/units where the choice of thesis/practicum topic and thesis/practicum advisor are postponed after a student's entry into the program, the Department/Unit Head, within one (1) term, shall appoint a faculty member to advise the student in the interim period before the regular advisor is assigned or chosen.	
6.5 Advisory Committee 6.5.1 Conflict of Interest There are several circumstances that might lead to a real, perceived or potential Conflict of Interest (COI) in advisory and examining committees. A real COI could be present due to the existence of a (past or present) personal relationship that is romantic, sexual, marital, personal or familial. There is a potential for a perceived COI in cases of recent (within the last 5 years) collaboration among committee members, which may result in the perception of a lack of fairness or impartiality. These examples are not intended to be comprehensive, and are provided solely for illustration. The University of Manitoba Conflict of Interest Policy and Conflict of Interest Procedures as well as the Conflict of Interest Between Evaluators and Students due to Close Personal Relationships should also be consulted. In addition to following the processes outlined in the above policies, COIs that exist within advisory and examining committees and proposed mitigation measures must be declared in writing to the Faculty of Graduate Studies to provide transparency to all relevant parties (including the student, committee members, unit leadership, and the Faculty of Graduate Studies) at the time they arise. All reported conflicts will be reviewed by the Dean of the Faculty of Graduate Studies (or designate) and reported to the Vice President (Administration). If the conflict is deemed sufficiently significant and cannot be mitigated, one or more committee members may need to be replaced or a new committee established. Committees should consider each year at the time of the progress report whether new conflicts of interest have arisen during the reporting period. It is the student's role to inform the Faculty of Graduate Studies of any changes in their student registration or employment status that may be perceived as a COI. For example, if a student is hired as an Instructor or an Assistant Professor in any unit at the university, they are to inform FGS of their employment status change in order to disclose and address potential COIs.	
6.5.2 Thesis/Practicum Route Advisory committees are selected by the advisor/co-advisor in consultation with the student and should consist of individuals whose expertise is consistent with that necessary to provide additional advice and guidance to the student during their research program. The advisor/co-advisor is the Chair of the advisory committee.	The thesis advisor will submit to the Graduate Chair in writing, the names of two individuals who can serve as the Thesis Advisory Committee. One of the submitted names must be a member of the Department of Political Studies. The second submitted name can be either: a University of Manitoba faculty member or a faculty member

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The advisory committee must consist of a minimum of three (3) voting members (the advisor/co-advisor have a single vote), at least two (2) of whom must be members of the <u>Faculty of Graduate Studies</u>. All examiners must be deemed qualified by the Department/Unit Head and be willing to serve. It is expected that advisory committee members will have a Master's degree or equivalent. Equivalency will be determined by the Dean of the Faculty of Graduate Studies or designate. Individuals who are not a member of the Faculty of Graduate Studies, and who do not hold a Master's degree or equivalent, but who possess specific and extensive expertise and experience, such as professionals, artists, Knowledge Keepers or Elders, may serve on the advisory committee as a full voting member. No more than one such knowledge expert may serve on any individual advisory committee and must be nominated by the Department/Unit Head or Graduate Chair with a justification of their role and be approved by the Dean of the Faculty of Graduate Studies or designate. Advisory committees may <u>alternatively</u> include one (1) non-voting invited member who has expertise in a related discipline but is not a member of the Faculty of Graduate Studies. Committees may include a Knowledge Expert or invited member, not both. Under no circumstances are graduate students, Postdoctoral Fellows, and Research Assistants or Associates registered/employed at any institution to serve on graduate student advisory or examining committees, regardless of whether or not they hold a rank of Adjunct Professor. The composition of, and any changes to, the advisory committee, including the advisor/co-advisor, must be approved by the Faculty of Graduate Studies. Additional specifications, if any, regarding the advisory committee are found in the department/unit supplementary regulations and students should consult these regulations for specific requirements.	<u>outside the University of Manitoba who has extensive expertise and experience related to the student's thesis work. The thesis advisor can also choose to propose a Knowledge Expert as the third member of the Thesis Advisory Committee. Knowledge Experts are individuals from the larger academic and/or non-academic communities who have specific and extensive expertise and experience related to the student's thesis work. If a Knowledge Expert is proposed, the advisor must submit a written justification to the Graduate Chair that explains how the proposed Knowledge Expert's specific and extensive expertise and experience is related to and will enhance the student's program of thesis research. The Graduate Chair will consider and decide on the proposed Knowledge Expert's inclusion on the committee. At least two members of the Thesis Advisory Committee must be members of the Faculty of Graduate Studies.</u> The thesis advisor will submit to the Graduate Chair in writing the name of one additional departmental faculty member and one non-departmental faculty member chosen from inside the department, within the University of Manitoba community (and outside the department), or outside the University of Manitoba to serve on the Thesis Advisory Committee. At least two members of the Advisory Committee must be members of the Faculty of Graduate Studies.
6.5.3 Course-based, Major Research Paper, or Comprehensive Examination Route Usually, advisory committees are not required in these routes; however, the department/unit may specify advisory committee requirements in their supplementary regulations.	
6.6 Courses and Performance 6.6.1 Course or Program Changes Students are not permitted to change their program of study, including withdrawal from individual courses, without the approval of their advisor/co-advisor (and/or advisory committee) and Department/Unit Head. Withdrawal from courses or changes of course category without such approval may result in the student being Required to Withdraw from the Faculty of Graduate Studies.	
6.6.2 Lapse or Expiration of Credit of Courses Courses completed more than seven (7) years prior to the date of awarding of a degree are considered to have lapsed and may not usually be used for credit toward that degree. A department/unit may request an exception to this limit on behalf of the student. Such requests, which will be evaluated on a case-by-case basis, must be submitted via the Course Currency form and accompanied by supporting information including a detailed summary of the content of the course as taken initially and as offered most recently, and a detailed rationale explaining how the student has maintained knowledge of the course content. If FGS approves the course's currency,	

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requirements for examination and students should consult department/unit supplementary regulations for specific requirements. Under no circumstances are graduate students, Postdoctoral Fellows, and Research Assistants or Associates to serve on graduate student examining committees, regardless of if they hold a rank of Adjunct Professor. Written Examination The Head of the department/unit arranges for the distribution of the thesis/practicum to the examiners for written examination. A student has the right to an examination of the thesis/practicum if they believe it is ready for examination. It is the department/unit's responsibility to advise the student of any risk involved should they decide to proceed against the department/unit's recommendation. It is the duty of all examiners to read the thesis/practicum and report on its merits according to the following categories: • Acceptable, without modification or with minor revision(s); or • Acceptable, subject to modification and/or revision(s); or • Not acceptable. If two or more examiners do not approve the thesis, then the student is deemed to have failed the written examination. The failure must be reported to the Faculty of Graduate studies as "not approved" on the Master's Thesis/Practicum Final Report form. Note that advisors and co-advisors share a single vote.	
6.7.1.3 Oral Examination For departments/units requiring students to pass an oral examination on the subject of the thesis/practicum and matters relating thereto, the format of the oral examination is described in the supplementary regulations of the department/unit. Students should consult these supplementary regulations for specific requirements. A student has the right to an examination of the thesis/practicum if they believe it is ready for examination. It is the department/unit's responsibility to advise the student of any risk involved should they decide to proceed against the department/unit's recommendation. The oral examination should be completed within one (1) month of distribution of the reports on the written thesis/practicum to the examining committee. The oral examination may be held in-person, remotely, or using a hybrid model. All members of the examining committee should be present in real time at the examination. Under exceptional circumstances, and with the prior approval of the Dean of the Faculty of Graduate Studies, one (1) member may be absent from the proceedings and required to submit questions. No recordings will be permitted. Any in-person components of the oral examination must be held at either The University of Manitoba Fort Garry or Bannatyne campus, Université de Saint-Boniface, or the St. Boniface Hospital Albrechtsen Research Centre usually during regular business hours.	<u>The oral examination has a maximum duration of two hours and consists of a defence of the candidate's thesis in front of the Thesis Advisory Committee and an Examination Chair. The Examination Chair is appointed by the Department's Graduate Chair. The Examination Chair will be a faculty member who is normally a member of the Department of Political Studies. The Examination Chair has a non-voting role. Such a defence invariably requires that the student demonstrate a sound knowledge of the field in which the thesis has been submitted. The oral examination is open to members of the university community.</u> The oral examination has a maximum duration of two hours and consists of a defence of the candidate's thesis before the thesis examination committee and another departmental faculty member appointed by the Graduate Chair who will act as non-voting chair of the oral defence. Such a defence invariably requires that the student demonstrate a sound knowledge of the field in which the thesis has been submitted. The oral examination is open to members of the university community.

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The oral examination shall be open to all members of The University of Manitoba community except in exceptional cases. The oral examination may be closed, for example, when the results of the thesis/practicum research must be kept confidential for a period of time. In such cases, the examining committee and Department/Unit Head must request a closed examination to the Dean of the Faculty of Graduate Studies, who shall then decide that the final examination be closed to all but the examining committee. The Dean of the Faculty of Graduate Studies (or delegate) reserves the right to attend a closed examination. The oral examination will usually be held in English but may be held in French. Departmental/Unit supplementary regulations may allow the oral examination to be held in a language other than English or French. Following completion of the examination of the thesis/practicum, examiners will determine the results of the oral examination and the written thesis/practicum. The examiners will also determine the nature of and procedures for approval of any revisions that will be required prior to submission of the thesis/practicum to the Faculty of Graduate Studies (via MSpace). The advisor/co-advisor is usually responsible for ensuring that revisions are completed according to the instructions from the examining committee. The final assessment of the examiners shall be reported to the Faculty of Graduate Studies as either “approved” or “not approved” on the Master’s <u>Thesis/Practicum Final Report form</u> submitted by the advisor. Each examiner must sign the form. If two (2) or more examiners do not approve the thesis/practicum, the student is deemed to have failed the examination.	The completed thesis should be delivered to the <u>Political Studies</u> Graduate Administrator<u>Secretary</u>, who will arrange for its distribution to the examiners. The thesis examiners (normally the members of the Thesis Advisory Committee who passed the proposal) will read and report on its merits according to the following categories: Approved or Not Approved. The thesis examination should be completed within one month of the distribution of the thesis.
6.7.1.4 Failure All failures must be reported to the Faculty of Graduate Studies at either the written or oral examination stage. In the case of a failure of the thesis/practicum at the Master’s level, the student may be allowed a second examination attempt. In this case, a detailed written report will be prepared by the Chair of the examination committee and submitted to the Faculty of Graduate Studies, who will make the report available to the student, the student’s advisor/co-advisor and the Department/Unit Head. Without this detailed report, the student may not undergo a second examination. The Department/Unit Head shall convene a meeting of the members of the examining committee and the student’s advisor/co-advisor to decide how to bring the thesis to an acceptable scholarly standard and/or prepare for the second examination. A student will be Required to Withdraw when the thesis/practicum has been rejected twice at the stage where: • The examining committee reports on the merits of the written thesis/practicum; • The oral examination; or • A combination of both stages. Style and Format The thesis/practicum must be written according to a standard style acknowledged by a particular field of study (please refer to <u>Appendix 1: Thesis/Practicum Types</u>).	Candidates who fail the thesis oral examination are permitted to undertake a second oral defence within the maximum period for degree completion as specified by the Faculty of Graduate Studies.

Report of the Faculty Council of the Faculty of Graduate Studies on Course, Program, Supplementary Regulation, and Regulation Changes

Preamble

1. The Faculty of Graduate Studies (FGS) has responsibility for all matters relating to the submission of graduate course, curriculum, program, supplementary regulation and regulation changes. Recommendations for such are submitted by the Faculty Council of Graduate Studies for the approval of Senate.
2. The Faculty Council of Graduate Studies met on the above date to consider a proposal from the Dept. of Psychology.

Observations

1. The **Dept. of Psychology** proposes M.A. School Psychology Supplementary Regulation Changes. These include adding a new, alternative criterion for admission to the comprehensive stream to enable school staff with a 4 year degree and the listed pre-requisites to enter the M.A. This change will make the School Psychology M.A. comparable to many other programs, as well as address equity and diversity needs, particularly for rural, northern, and Indigenous settings where there is currently a paucity of qualified practitioners.

The proposal was approved by Arts CPAC and Executive Committees on August 8th and 30th, 2023, respectively.

Recommendations

Faculty Council of Graduate Studies recommends THAT the proposal from the unit listed below be approved by Senate:

Dept. of Psychology

Respectfully submitted,

Dr. Kelley J. Main, Chair
Faculty Council of Graduate Studies

/ak

Comments of the Senate Executive Committee:
The Senate Executive Committee Endorses the
Report to Senate.



University
of Manitoba

| Department of Psychology

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Re: School Psychology Comprehensive stream admission criteria changes
June 2, 2023

Dear CPAC members,

Please accept this package outlining modifications to the School Psychology Graduate Program's Comprehensive Stream admission criteria changes. We have provided background and rationale, in addition to information on other Canadian programs and changes that would appear in the FGS Supplemental Regulations for Psychology. Please note we are not deleting any text, but simply adding a new (alternative) criterion for the comprehensive stream to enable school staff with a 4 year degree and the listed pre-requisites to enter (see track-changes on page 27 of the psychology supplementary regulations). This change will make us comparable to many other programs, as well as address equity and diversity needs, particularly for rural, northern, and Indigenous settings where there is currently a paucity of qualified practitioners. Further, we would like to expedite this request as we are in discussions to develop partnerships with at least seven first nations communities to increase access to school psychologists and aim to offer a part time program as soon as possible. Since the comprehensive stream program is the fastest way to do this, at this time we are only considering changes to admission for this particular stream. The proposal has been approved by the Department of Psychology in a council meeting on May 31st, 2023.

Background: We currently have two existing streams in school psychology designed to meet certification and professional requirements.

- o Thesis stream (3 years, regular program with 450 hours practicum, plus 2 research courses and thesis)
- o Comprehensive program (non-thesis) (2 years, with 450 hours of in school practicum and comprehensive exam at end of year 1 and 2)
- Previous entrance requirements (4 year honours degree with thesis) are a barrier, new entrance requirements for comprehensive stream only being proposed
- This change will align with other Canadian programs and increase applicants with school experience

Rationale: We aim to remove barriers to admission that have reduced numbers of Indigenous applicants in particular.

Thank you for considering this request.

Sincerely,

Dr. Janine Newton Montgomery
Program Coordinator & Professor (School Psychology),
Department of Psychology
University of Manitoba
janine.montgomery@umanitoba.ca

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• Thesis/practicum-based; • Course-based; • Comprehensive Exam; • Project; • Major research paper.	• Brain and Cognitive Sciences • Developmental Psychology • Quantitative Psychology • Social/Personality Psychology The school psychology program has two streams, a 2-year comprehensive (non-thesis) stream, and a 3-year thesis stream.
6.2 Admission Students who are eligible to be considered for direct admission to a program of study leading to the Master's degree include: • Graduates of four (4)-year undergraduate degree programs (or equivalent as deemed by the Faculty of Graduate Studies) from: - o Canadian institutions empowered by law to grant degrees; or - o Colleges and universities outside Canada which are officially recognized by the Faculty of Graduate Studies. • Graduates from first-cycle Bologna compliant degrees. • Students who have completed a Pre-Master's program from: - o The University of Manitoba (see <u>General Regulations - Pre-Master's</u>); or - o Canadian institutions empowered by law to grant degrees; or - o Colleges and universities outside Canada which are officially recognized by The Faculty of Graduate Studies. All students applying for a Master's degree program must have attained a minimum GPA of 3.0 out of 4.5 (or equivalent) in the last two (2) years of full-time university study (60 credit hours). This includes those applying for direct admission and courses completed as part of a Pre-Master's program. Students who meet the minimum requirements for admission to the Faculty of Graduate Studies are not guaranteed admission. Note: This is the minimum requirement of the Faculty of Graduate Studies and departments/units may have higher standards and additional criteria.	General Applications for graduate study are accepted from students holding either a B.A. (Honours) or B.Sc.(Honours) degree from the University of Manitoba or its equivalent from another university. Students holding a four-year B.A. (Advanced Major) or B.Sc. (Major) from the University of Manitoba, or another Canadian university, are usually accepted into the pre-M.A. program. However, program areas can recommend applicants for admission to the M.A. program, notwithstanding, if they hold a four-year B.A. or B.Sc. degree from a program at any university recognized by the Faculty of Graduate Studies, that does not provide an opportunity to complete an honours degree and/or an honours thesis. <u>Additionally, applicants for the comprehensive exam stream in school psychology will be eligible with a 4 year non-honours degree if a) they have a degree in Arts , Education, or related discipline, b) they have professional experience working with children and/or youth, and c) they have completed course work in Child Development, Research Methods/Design, Statistics, Abnormal psychology, and Cognitive Psychology, or their equivalents. A review of previous coursework may be conducted to ascertain equivalency.</u>
6.3 Program Requirements Students must complete the requirements for one of the programs of study described below for the Master's degree. Specific requirements for individual programs of study are determined by the department/unit offering the program. Credit hours and course requirements of programs subject to an external accrediting body shall reflect the requirements of the appropriate accrediting body and shall be detailed in the program's supplementary regulations. Any single course cannot be used for credit toward more than one degree.	All Psychology Graduate Programs are thesis based with the exception of School Psychology Two Year stream which is comprehensive examination based.
6.3.1 Thesis/Practicum Route A minimum of twelve (12) credit hours of coursework, unless otherwise stated in the department's/unit's supplementary regulations, plus a thesis or practicum is required. The minimum must include at least six (6) credit hours at the 7000-level or above, with the balance of the coursework at the 3000-level or above. A maximum of twenty-four (24) credit hours of coursework is allowed unless the department's/unit's	MA Program Requirements:

Report of the Faculty Council of the Faculty of Graduate Studies on Course, Program, Supplementary Regulation, and Regulation Changes

Preamble

1. The Faculty of Graduate Studies (FGS) has responsibility for all matters relating to the submission of graduate course, curriculum, program, supplementary regulation and regulation changes. Recommendations for such are submitted by the Faculty Council of Graduate Studies for the approval of Senate.
2. The Faculty Council of Graduate Studies met on the above date to consider a proposal from the Faculty of Social Work.

Observations

1. The **Faculty of Social Work** proposes (6) Course Deletions: SWRK 6040, 6050, 6010, 6020, 6060, 6070; (1) Course Modification: SWRK 7002; (5) Course Introductions: SWRK 7004, 7006, 7008, 7012, 7014; M.S.W Supplementary Regulation Changes.

The foundation year in the MSW program provides an entry route into a master level degree in social work for students who do not have a BSW degree. The curriculum for the foundation year program is intended to expose students to content that is equivalent to content in the BSW curriculum. Recently, the BSW curriculum was reviewed, and significant changes were made to the courses and the overall curriculum. These changes mean that some of the foundation year courses that were part of the BSW program also need to be changed. A decision was made to use courses that were part of the previous Pre-MSW program. The substantive request is also to have these courses changed from 6000 level to 7000 level courses and to introduce an enrollment restriction such that these courses are only available to MSW students in the foundation year of the MSW program. Additionally, there are minor changes needed for some of the courses, and one course, SWRK 6040 is no longer needed.

To complete the MSW degree, students entering without a BSW degree must complete 24 or 27 credit hours in the advanced year of the program.

The supplementary regulations up until now have included an older and now changed MSW curriculum, as there were students in the MSW program who continued to complete the program according to these regulations. The last student has now completed that program and the outdated regulations are proposed for deletion.

The proposal was approved by the Faculty of Social Work Council on January 27, 2023.

Course Deletions

SWRK 6040 Anti-Oppressive Social Work Practice	-3
SWRK 6050 Field Practice	-6
SWRK 6010 Data Analysis for Social Work Research	-3
SWRK 6020 Social Work Practice Seminar	-6
SWRK 6060 Social Work and Aboriginal People	-3
SWRK 6070 Qualitative Research in Social Work	-3

Course Modification

SWRK 7002 Foundation in Social Work Practice and the Profession

3

Situates the social work profession within the context of a settler colonial state and examines the intersection of knowledge, theory, values, ethics, and power relations that form the foundation of the profession and shape interventions and norms within social service agencies. Restricted to MSW Foundation Year Program students only.

Course Introductions

SWRK 7004 Social Work Practice Seminar

+6

Introduces students to ecological and other generalist practice models in the provision of social services. Attention is given to key contextual aspects of social work practice such as gender, poverty, and culture in the study of professional roles and ethics. Intervention modalities considered range from direct practice with individuals to strategies of community change. Pre- or Co-requisite SWRK 7002 (C+) for fall/winter registrations. Pre-requisite SWRK 7002 (C+) for summer term registrations. Restricted to MSW Foundation Year Program students only. May not be held with former SWRK 6020.

SWRK 7006 Field Practice

+6

An educationally focused practice experience where the student carries a sustained professional role as a beginning practitioner. Requires 450 hours of time including an orientation program, engagement in practicum activities under supervision, educational contact time with the field instructor and evaluation of performance. Subject to satisfactory completion and reports, students will be graded on a pass/fail basis. Co-requisite: SWRK 7004 (C+). Pre-requisite for summer term registrations: SWRK 7002 (C+). May not be held with the former SWRK 6050.

SWRK 7008 Social Work and Indigenous People

+3

Focuses on the analysis of social welfare policy and social work practice from an Indigenous perspective. The influence of colonization as an attribute of oppression is examined along with an exploration of developments oriented to the goal of decolonization and empowerment. Restricted to MSW Foundation Year students only. Pre- or co-requisite: SWRK 7002 (C+). May not be held with the former SWRK 6060.

SWRK 7012 Quantitative Data Analysis for Social Work Research

+3

An intermediate course in the analysis of quantitative social work data. The course will emphasize application and interpretation of analytical techniques useful in the pursuit of social justice through social work. Pre- or co-requisite: SWRK 7620 (C+) or instructor approval. Priority registration given to MSW students. May not be held with the former SWRK 6010.

SWRK 7014 Qualitative Research in Social Work

+3

An intermediate course in qualitative approaches for research for the pursuit of social justice through social work. It will examine various approaches to the design and analysis of qualitative social work research. Pre- or co-requisite: SWRK 7620 (C+) or instructor approval. Priority registration given to MSW students. May not be held with the former SWRK 6070.

NET CREDIT HOUR CHANGE

-3

Faculty Council of Graduate Studies recommends THAT the proposal from the unit listed below be approved by Senate:

Faculty of Social Work

Respectfully submitted,

Dr. Kelley J. Main, Chair
Faculty Council of Graduate Studies

/ak

Comments of the Senate Executive Committee:
The Senate Executive Committee Endorses the
Report to Senate.



University
of Manitoba

Faculty of Social Work

August 4, 2023

I am writing this memo to submit changes for the courses in the foundation year of the MSW Program and to request an update to the social work supplemental regulations.

The foundation year in the MSW Program provides an entry route into a master level degree in social work for students who do not have a BSW degree. The curriculum for the foundation year program is intended to expose students to content that is equivalent to content in the BSW curriculum. Some of the courses for the foundation year include courses that are part of the current BSW Program.

Recently, the BSW curriculum was reviewed, and significant changes were made to the courses and the overall curriculum. These changes mean that some of the foundation year courses that were part of the BSW Program also need to be changed. A decision was made to use courses that were part of the previous Pre-MSW Program and still retained in the graduate calendar. These changes to the courses were passed by motion during the January 27, 2023 faculty council meeting. The changes to the courses are outlined in the table below.

The substantive request is also to have these courses changed from 6000 level to 7000 level courses and to introduce an enrollment restriction such that these courses are only available to MSW students in the foundation year of the MSW program. The course enrollment restriction is to ensure that students in the advanced year do not attempt to register for these courses by making the distinctions between the courses for the two levels in the MSW program, especially after these courses are converted to 7000 level numbers.

Additionally, there are minor changes needed for some of the courses as noted on the attached course modification forms. To complete the MSW degree, students entering without a BSW degree must also complete 24 or 27 credit hours in the advanced year of the program. One course, SWRK 6040 is no longer needed, and a course deletion form is attached for this course. An additional course, SWRK 7002 needs to have the restriction added (available to MSW students in the foundation year of the program).

...2

Courses Changes for Foundation Year of MSW Program

Past Course Number	New Course Number	Proposed Change
SWRK 7002	SWRK 7002	Add Restricted to MSW Foundation Year students only.
SWRK 6020	SWRK 7004	Add SWRK 7002 as a pre or co-requisite. Change to 7000 level number. Add "Restricted to MSW Foundation Year students only".
SWRK 6040	To be deleted	Delete this course.
SWRK 6050	SWRK 7006	Change to 7000 level number. Add "Restricted to MSW Foundation Year students only". Remove SWRK 4200 as pre or co-requisite.
SWRK 6060	SWRK 7008	Change the use of "Aboriginal" to "Indigenous" in the course title and from "an Indigenous perspective" to "Indigenous Perspectives" in the description. Change to 7000 level number. Add, "Restricted to MSW Foundation Year students only". Make SWRK 7002 a pre- or co-requisite.

Two other courses for the Advanced Year of the MSW Program are also being updated. The two courses are SWRK 6010 and SWRK 6070. These two courses have been part of the MSW Program for many years. Both courses have had 6000 level numbers, which the faculty wants to update to 7000 level numbers (SWRK 7012 and SWRK 7014, respectively) see the chart below. The course change forms are attached.

Changes to the Advanced Year of the MSW Program

Past Course Number	New Course Number	Proposed Change
SWRK 6010	SWRK 7012	Change to 7000 level number
SWRK 6070	SWRK 7014	Change to 7000 level number

The additional change is an update the social work supplemental regulations. The regulations for an older and now changed MSW curriculum are embedded in the supplemental regulations. These regulations were retained until now, as there were students in the MSW Program who continued to complete the program according to these regulations. The last student has now completed that program.

The desired change is in Section 6 of the Supplemental Regulations. As some of the information can be retained, including the list of readings or topics courses (7220, 7230, 7280) that can be added to the list of courses that students can take – we’ve moved up under the list of other courses. Another set of courses is GRAD 7000 (Master’s Thesis) and within the course-based option, SWRK 7180 and 7190. The section that describes how students may seek an elective outside of social work will also be retained. In reading these regulations, I found some typos and indicated changes. The removal of that information is shown using track changes in the attached copy of the supplemental regulations.

Sincerely,

A handwritten signature in cursive script that reads "Ddelay".

David C J Delay PhD MSW RSW
Associate Dean, Graduate Programs and Research
Faculty of Social Work
204-474-6669
David.delay@umanitoba.ca

FGS Academic Guide Regulation 2023/24	Supplementary Regulation
employment or have medical, family or other circumstances that make it impossible to devote themselves to their graduate program full-time. Students are not permitted to change to part-time status more than once within their program unless under exceptional circumstances. Once a student declares as part-time, they may return to full-time status once, but cannot subsequently revert to part-time. Transferring to part-time status will affect a student's maximum time to complete degree requirements as follows: - For every full year (12 months) that a Master's student is declared as part time, they will receive an additional four (4) months in time to complete their program. - For every two (2) full years (24 months) a Master's student is declared as part time, they will receive an additional year (12 months) in time to complete their program. - Master's students who declare part time status for less than one year (12 months) are not permitted any additional time to complete their program. - For every two (2) full years (24 months) that a Ph.D. student is declared as part time, they will receive an additional four (4) months in time to complete their program. - Ph.D. students who declare part time status for less than two (2) full years (24 months) are not permitted any additional time to complete their program.	
1.4.2 Pre-Master's Students In specific cases where the academic background of the student is judged to be insufficient for the given program in a department/unit, the department/unit may recommend that the student be admitted to a Pre-Master's program of study. The Pre-Master's program is intended to bring the student's standing to approximately the level of an Honours graduate in the major department/unit, and to satisfy prerequisites for courses. See Section 3 General Regulations: Pre-Master's.	
1.4.3 Occasional Students An occasional student is a student who is not currently in a degree program at The University of Manitoba and is wishing to take graduate level courses. Occasional students must apply via the regular FGS admission process (to the department/unit offering the course or majority of courses) and meet the same degree and grade point average entrance requirements as regular graduate students. Occasional students must write final examinations in the courses taken (unless audited) but will not receive credit toward a degree. Occasional students are to take the courses as "occasional" (see section Course Classifications – General Classifications above). In special circumstances, an occasional student may apply to a degree program and, if admitted, may also apply to transfer courses previously taken in the "occasional" category for credit towards their degree program. Occasional student status is not advised for international students due to study permit limitations. International students interested in becoming an occasional student should contact the Graduate Studies admissions office and University of Manitoba International Centre. Note: - Transfer of courses from the "occasional" category to a degree program is not automatic; a request for advance credit must be made within the first year of a degree program on the "Advance Credit – Transfer of Credit" form. - Fees paid by a student while registered as an occasional student are not credited to a degree program at a later date.	Occasional Students in the MSW Program: Applicants who hold a degree in Social Work at the point of application from an accredited university which is recognized by the University of Manitoba may apply as MSW Occasional students. <u>Admission requirements to apply as MSW Occasional students include:</u> - possession of a BSW, MSW, Ph.D. in Social Work at point of application from an accredited university which is recognized by the University of Manitoba; - a minimum Grade Point Average of 3.0 (B) in the last 60 credit hours of university study. If courses have been taken as a special student, occasional student and/or in a subsequent degree or Pre-Master's program, they will be calculated into the Grade Point Average as part of the last 60 credit hours. <u>Social Work courses available to MSW Occasional students:</u>

FGS Academic Guide Regulation 2023/24	Supplementary Regulation
3. Occasional students must register via their home unit/department. Registration as an occasional student is limited to a period of one (1) academic year (September 1 - August 31). Students who wish to continue taking courses as an occasional student must reapply annually. 4. The majority of coursework per academic year must be taken at the graduate level while registered as an occasional student. 5. Students admitted as Occasional are required to upload proof of instructor permission in their application for admission to take the course(s) as Occasional.	• SWRK 6040-7012 Quantitative Data Analysis for Social Work Research (3 CH) • SWRK 6070-7014 Qualitative Research in Social Work (3 CH) • SWRK 7300 Clinical Evaluation of Social Work Interventions (3 CH) • SWRK 7430 Evaluation Research in Social Work Practice (3 CH) • SWRK 7440 Policy Analysis in Social Work Practice (3 CH) • SWRK 7230 Problem Seminar (3 CH) The maximum number of credit hours (CH) permitted is 6 CH plus SWRK 7012 6040 (3 CH) or SWRK 7014 6070 (3 CH). All occasional and non-social work students are required to abide by the same pre/co-requisite policy that applies to Social Work students. All occasional students register online using the Aurora Student system. MSW students are given priority in registration and space allocation. Occasional students must seek written permission of the instructor to register for all courses except for SWRK 3100, SWRK 7012 6040 and SWRK 7014 6070 (permission not required). The written permission must be submitted to the Student Services and Admissions/Advising Office, Faculty of Social Work, at least 5 working days prior to one's registration access date. Occasional Students in the MSW-IK Program: • possession of a BSW, MSW, or Ph.D. in Social Work at point of application from an accredited university which is recognized by the University of Manitoba; • a minimum grade point average of 3.0 (B) in the last 60 credit hours of university study. If courses have been taken as a special student, occasional student and/or in a subsequent degree or Pre-Master's program, they will be calculated into the grade point average as part of the last 60 credit hours. Social Work courses available to MSW-IK Occasional students: • SWRK 7720 Critical Theory and Indigenous Peoples (3 CH) • SWRK 7730 Indigenous Research Methodologies and Knowledge Development (3 CH).

FGS Academic Guide Regulation 2023/24	Supplementary Regulation
	calculated into the Grade Point Average as part of the last 60 credit hours.
6.3 Program Requirements Students must complete the requirements for one of the programs of study described below for the Master's degree. Specific requirements for individual programs of study are determined by the department/unit offering the program. Credit hours and course requirements of programs subject to an external accrediting body shall reflect the requirements of the appropriate accrediting body and shall be detailed in the program's supplementary regulations. Any single course cannot be used for credit toward more than one degree.	
6.3.1 Thesis/Practicum Route A minimum of twelve (12) credit hours of coursework, unless otherwise stated in the department's/unit's supplementary regulations, plus a thesis or practicum is required. The minimum must include at least six (6) credit hours at the 7000-level or above, with the balance of the coursework at the 3000-level or above. A maximum of twenty-four (24) credit hours of coursework is allowed unless the department's/unit's supplementary regulations indicate otherwise. The student must complete the thesis/practicum at The University of Manitoba.	The two-year Master of Social Work (MSW) Program provides two entry routes: 1. Foundation Level for students who have completed a four-year undergraduate degree, but do not have a Bachelor of Social Work (BSW) degree from an accredited program or its equivalent; 2. Advanced Level for students with a BSW degree from an accredited program. Students may take the MSW program on a full-time or part-time basis. There is a four-year time limit to complete the MSW program on a full-time basis and a six-year time limit to complete the MSW program on a part-time basis. Year One Foundation Level Students who have completed a four-year undergraduate degree, but do not have a Bachelor of Social Work (BSW) degree from an accredited program or its equivalent will be offered admission into the first and foundation year of the MSW program. This first year will be <u>24-21</u> credit hours of foundation level courses and six <u>(6)</u> credit hours of field work. All courses and the field component of the foundation year must be completed before students register into the year two advanced level courses. In order to complete and receive the MSW degree, students must complete both the year one foundation level and the year two advanced level courses of the MSW or MSW-IK Program. The program requires at least one year to complete the foundation level courses and at least another 12-18 months of full-time study for the advanced level courses of the MSW or MSW-IK Program. COURSE REQUIREMENTS (<u>30-27</u> CH) • SWRK 7002 Foundation in Social Work Practice and the Profession (3 CH) • SWRK <u>3430-4050</u> <u>Selected Topics in Social Work</u> (3 CH)

FGS Academic Guide Regulation 2023/24	Supplementary Regulation
	• SWRK 7008 4220 Social Work and Aboriginal-Indigenous People (6 <u>3</u> CH) • SWRK 4200 Field Focus of Social Work Practice (6CH) • SWRK 7006 6050 Advanced-Field Practice (6CH) • SWRK 6020-7004 Social Work Practice Seminar Course (6CH) Year Two Advanced Level Students with a BSW degree from an accredited program will be admitted directly into the second and advanced year of the MSW Program. The Program requires at least 12-18 months of full-time study (students who choose the thesis option may require more time depending on the nature of their research). The second year advanced level courses include both common core and specialized courses. This structure ensures that students have knowledge and skills required to meet the standards of our accreditation body, the Canadian Association for Social Work Education (CASWE). The program offers students flexibility in designing a program that meets their learning objectives. The credit hour requirement is 27 credit hours in the course-based option and 24 credit hours in the thesis option. All students must complete four core courses (12 CH), and an additional 9CH of specialized courses from within Social Work. All students must complete an additional 3 credit hours of electives which may be taken within Social Work or other departments. MSW students registered in the Graduate Focus on Aging Concentration can increase the number of non-social work courses from 3 to 6 credit hours, while reducing the specialized social work course requirements from 9 to 6 credit hours. COURSE REQUIREMENTS <u>Core Courses (12CH):</u> <u>These courses are required for all students.</u> • <u>SWRK 7600</u> Critical Perspectives and Social Work (3 CH); • <u>SWRK 7620</u> Paradigms, Methodologies, and Methods for Social Work Research (3 CH); • SWRK 7012 6040 <u>Quantitative</u> Data Analysis for Social Work Research (3 CH); • SWRK 7014 6070 Qualitative Research in Social Work (3 CH). <u>Specialized Courses (9 CH)</u>

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	All students are required to take 9 credit hours from <u>this list of specialized courses</u>. <u>Not all of the courses will offered in each academic year.</u> • SWRK 7630 Advanced Social Work Practice with Individuals and Families (3 CH); • SWRK 7640 Application and Critique of Theory and Research in Social Work Practice with Individuals and Families (3 CH); • SWRK 7300 Clinical Evaluation of Social Work Interventions (3 CH); • SWRK 7650 Advanced Social Work Practice with Groups (3 CH); • SWRK 7660 Social Work Perspectives on Practice with Networks, Neighbourhoods, and Communities (3 CH); • SWRK 7670 Community Mobilization: Application of Concepts in Social Work Practice with Groups, Networks, and Communities (3 CH); • SWRK 7430 Evaluation Research in Social Work Practice (3 CH); • SWRK 7440 Policy Analysis in Social Work Practice (3 CH); STUDENTS ADMITTED PRIOR TO 2014 Students admitted to the MSW program concentrate their studies in one of two streams: Social Clinical Intervention Stream OR Social Services Administration Stream. Students must complete 24 credit hours of courses in one stream plus a thesis or course-based specialization option. Major course requirements for each stream are outlined below. Course descriptions are provided in the Graduate Calendar. Social Clinical Stream: Core Courses: SWRK 6010 Data Analysis for Social Work Research (3 CH) or SWRK 6070 Qualitative Research for Social Work (3 CH); SWRK 7290 Family Focused Social Work Practice (6 CH); SWRK 7300 Clinical Evaluation (3 CH); SWRK 7390 Advanced Social Work Practice Seminar (3 CH)

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	Elective Courses (0 credit hours may be selected from the following): SWRK 7230 Problem Seminar (3 CH); SWRK 7220 Selected Topics in Social Work (3 CH); SWRK 7280 Readings in Social Work and Social Welfare Research (3 CH); courses in the Social Services Administration Stream OR another department. Thesis GRAD 7000 Master's Thesis (0 CH) OR Course-based option: SWRK 7180 Advanced Field Practice (0 CH) and SWRK 7190 Integrating Theory and Research in Advanced Field Practice (3 CH). Social Services Administration Stream: <u>Core Courses:</u> SWRK 6010 Data Analysis for Social Work Research (3 CH) or SWRK 6070 Qualitative Research in Social Work (3 CH); SWRK 7310 Social Service Administration Practice (6 CH); SWRK 7400 Theoretical Foundations of Social Service Administration (3 CH); SWRK 7420 Theoretical Foundations of Social Policy Analysis, Planning and Evaluation (3 CH); SWRK 7430 Evaluation Research in Social Work Practice (3 CH); SWRK 7440 Policy Analysis in Social Work Practice (3 CH). Elective Courses (3 credit hours may be selected from the following): SWRK 7220 Selected Topics in Social Work (3 CH); SWRK 7280 Readings in Social Work and Social Welfare Research (3 CH); SWRK 7230 Problem Seminar (3 CH); courses offered in the Social Clinical Stream OR another department.

~~Part-time students enrolled in the Social Services Administration Stream are normally required to take SWRK 7400 Theoretical Foundations of Social Service Administration (3 CH) and SWRK 7310 Social Service Administration Practice (6 CH) as co-requisites; as well, SWRK 7420 Theoretical Foundations of Social Policy Analysis, Planning and Evaluation (3 CH), SWRK 7430 Evaluation Research in Social Work Practice (3 CH) and SWRK 7440 Policy Analysis in Social Work Practice (3 CH) should be taken in the same academic year. SWRK 6010 Data Analysis for Social Work Research (3 CH) or SWRK 6070 Qualitative Research in Social Work (3 CH) is a pre/co requisite to SWRK 7430.~~

~~Thesis GRAD 7000 Master's Thesis (0 CH)~~

~~-OR-~~

~~course based option: SWRK 7180 Advanced Field Practice (0 CH) and SWRK 7190 Integrating Theory and Research in Advanced Field Practice (3 CH).~~

Elective Courses

~~Electives must be chosen in consultation with, and approved by, the faculty advisor. Students must seek written approval of their electives prior to registration. Courses chosen as electives may be at the 3000, 4000, 5000, 6000, or 7000 level.~~

~~The selection of electives outside the Faculty of Social Work can be a time-consuming procedure. Students may be required to obtain written permission from their faculty advisor and/or instructor offering the course. It is advisable to attend to this well in advance of registration.~~

~~Students choosing an outside elective(s) should:~~

~~Consult the Undergraduate and Graduate Calendars for course offerings and descriptions;~~

~~Contact the appropriate faculty or department directly to determine when and if the course is being offered in the current year; and~~

~~Find out if/how you will be able to register for the course (i.e.: by written consent of instructor, written consent of department head, etc.).~~

~~Students are normally permitted to take one readings course as an elective.~~

Thesis or Course-Based Specialization Option

~~Specialized study in an area of practice or a field of interest is accomplished through either a course-based option or the completion of a thesis for those admitted in 2004 or later.~~

~~If the course-based option is selected, the advisor acts as the faculty Coordinator for the Advanced Field Practice course and teaches the Integrating Theory and Research in Advanced Field Practice as a tutorial. An advisory committee consisting of one or two additional individual, including an agency-based supervisor may be established but is not required.~~

~~If a thesis is selected, a committee consisting of a minimum of two individuals, in addition to the advisor, must be established. The selection of a thesis committee should be made jointly by the student and the advisor.~~

~~The advisor is responsible for recommending a thesis committee for approval by the Faculty of Graduate Studies, preferably not later than December 1st of the academic year in which the student undertakes to do her/his thesis.~~

~~It is the role of the thesis committee to:~~

~~Approve the student's thesis proposal;~~

~~Monitor and evaluate the student's progress regarding his/her thesis;~~

~~Examine the completed thesis report.~~

~~Generally advise and assist the student in the process of completing the thesis and to clarify for the student in which way it will perform this function.~~

MSW-IK Program:**Core course requirements:**

Students admitted to the MSW-IK program concentrate their studies in Indigenous knowledges, practices, and ways of being. Courses in the MSW-IK program will be offered in Fall, Winter, and Summer terms. It is expected that the program will require 12 to 18 months of full-time study. Students who choose the thesis option may require more time depending on the

FGS Academic Guide Regulation 2023/24	Supplementary Regulation
A student who has not completed the degree requirements within the maximum time limit or within the time limit of the extension will be Required to Withdraw from the Faculty of Graduate Studies and the notation on the student record will be "Required to Withdraw".	
6.4 Student's Advisor and Co-Advisor 6.4.1 Student's Advisor Each student should have an advisor upon entry into the program, and must have one assigned no later than one (1) term following initial registration. Advisors are required for thesis/practicum routes, but not usually course-based routes or some comprehensive exam routes. In department/units where the choice of thesis/practicum topic and thesis/practicum advisor are postponed after a student's entry into the program, the Department/Unit Head, within one (1) term, shall appoint a faculty member to advise the student in the interim period before the regular advisor is assigned or chosen. In all programs that require an advisor, students must have an advisor through to the end of their program. The advisor is responsible for supervising the student's graduate program. The advisor is the student's primary contact at the University of Manitoba and must be familiar with the general policies and regulations of the Faculty of Graduate Studies as well as the specific supplementary regulations of their academic department/unit. In this capacity, the advisor assists the student in planning the graduate program and ensures that the student is aware of all graduate program requirements, degree regulations, and general regulations of the academic department/unit, the Faculty of Graduate Studies, the university, and external funding agencies. The advisor provides counsel for all aspects of the graduate program and stays informed of the student's scholarly activities and progress. The student's advisor also acts as a channel of communication to the student's advisory committee, the department/unit and the Faculty of Graduate Studies. The advisor must: • hold an appointment in the student's department/unit; • be a member of the Faculty of Graduate Studies¹; • hold at least a Master's degree or equivalent²; • be active in their field of research; • have expertise in a discipline related to the student's program. Note 1- See https://umanitoba.ca/graduate-studies/graduate-studies-administration for details. 2- Equivalency will be approved by the Dean of the Faculty of Graduate Studies and determined on a case-by-case basis. The potential advisor's demonstrated research record and current research activities will be considered as part of the equivalency assessment. Note that M.D., D.M.D., Pharm.D. and J.D. are undergraduate degrees and are not equivalent to a Master's or Ph.D. It is the responsibility of the Department/Unit Head to determine whether faculty members meet these criteria, and also to report to the Dean of the Faculty of Graduate Studies on equivalency as necessary. Any exceptions or special	MSW Program – Advanced Year <u>Choosing Faculty Advisors</u> This program has been designed to allow students to select a topic or area of special focus for study. Thus, students have an opportunity to select one or more electives and a thesis or advanced field practice based on their professional interest. Faculty members who are members of the Faculty of Graduate Studies are eligible to advise MSW students. Faculty advisors are matched with students during the admission process for the second and advanced year, or when the course and field program requirements for the foundation year are complete. The advisor must <u>approve</u> <u>consult and advise</u> the student's <u>regarding their</u> initial course plan and any changes that are <u>proposed to be</u> made during the student's program of study. The student may take the initiative in selecting a faculty advisor. The faculty advisor should be a person who is willing and able to work with the student in her/his major personal academic and professional field of study. Students who have not reached an agreement with a faculty advisor by the time of formal admission to the MSW Program will be assigned an advisor by the Faculty of Social Work. The student may find that s/he wants to change advisors after a contract has been made with the faculty advisor. This can be done after the student has found that another advisor is willing to work with her/him. The student should notify the first advisor in writing when a new advisor has consented to enter into a contract. As well, the student must fill out a Change of Advisor form to notify the Chair of the Graduate Program Committee. These forms are available in the General Office of the Faculty of Social Work and on the Faculty website. If difficulties arise in advising, the chair of the Graduate Program Committee may be consulted. If the chair of the Graduate Program Committee is not able to provide the help needed, the Dean of the Faculty of Social Work should be consulted.

circumstances must be recommended by the Department/Unit Head and approved by the Dean of the Faculty of Graduate Studies who considers each case on an individual basis.

The Role of the Faculty Advisor

- The advisor assists the student in selecting electives that best support and enrich her/his area of interest and expected expertise. Before a student can register for an elective course in or outside the Faculty, the advisor must approve consult and advise on the student's selection. If a student wishes to transfer a course taken prior to entry in the MSW program, approval of the advisor is required. Only those courses that have not been used towards a prior degree and appear on the student's transcript with a grade of C+ or higher can be considered;
- A Progress Report form must be completed by the student and the advisor by the end of May every year. This form must be submitted to the Faculty of Graduate Studies by June 1 of each year. Failure to do so will prevent students from registering, leading to discontinuation of the student from her/his program;
- The advisor acts as the Chair of the student's thesis committee if the thesis-based option has been selected.
- When an advisor leaves the Faculty or will be absent for more than 4 months a considerable period of time, s/he will be responsible for finding a suitable replacement or substitute, and will advise the Chair of the Graduate Program Committee of her/his absence;
- The Chair of the Graduate Program Committee is responsible for ensuring that the student has an advisor;
- The advisor may teach a tutorial through the "Selected Topics" course, but is not required to do so;
- The advisor acts as a link to the Graduate Program Committee regarding situations in which the student is not maintaining sufficient grades.

MSW-IK Program: Advisor Councils:

1. Choosing Faculty Advisors and Advisor Council Members

This program provides maximum support to students in the MSW-IK courses. Thus, students will be assigned an MSW-IK advisor council. The advisor council consists of: one of the program's Elders, one of the Faculty members within the MSW-IK program (advisor), and a third individual from the agency or organization where the student is completing the project or in the case of a project where a student is working with an Elder in the

Report of the Faculty Council of the Faculty of Graduate Studies on Course, Program, Supplementary Regulation, and Regulation Changes

Preamble

1. The Faculty of Graduate Studies (FGS) has responsibility for all matters relating to the submission of graduate course, curriculum, program, supplementary regulation and regulation changes. Recommendations for such are submitted by the Faculty Council of Graduate Studies for the approval of Senate.
2. The Faculty Council of Graduate Studies met on the above date to consider a proposal from the Dept. of Sociology & Criminology.

Observations

1. The **Dept. of Sociology & Criminology** proposes Ph.D. Supplementary Regulation Changes. Students must successfully complete two comprehensive examinations which constitute the student's doctoral candidacy examination. Currently, if a comprehensive exam committee requires clarification or elaboration (from the student) to evaluate a comprehensive exam, there is only one option, which is to require an oral exam. The Department has approved a second option, which is to request a follow-up written component. The written option can provide greater clarity than an oral exam, particularly with methods comprehensives. In addition, oral exams can be anxiety-inducing, and further, students have different strengths in presenting their knowledge and mastery of a subject: some perform better in an oral exam, and others perform better in writing.

The proposal was approved by Arts CPAC and Executive Committees on August 8th and 30th, 2023, respectively.

Recommendations

Faculty Council of Graduate Studies recommends THAT the proposal from the unit listed below be approved by Senate:

Dept. of Sociology & Criminology

Respectfully submitted,

Dr. Kelley J. Main, Chair
Faculty Council of Graduate Studies

/ak

Comments of the Senate Executive Committee:
The Senate Executive Committee Endorses the Report to Senate.

 **University
of Manitoba**
Memo is
Department of Sociology and Criminology
Inter-Departmental Correspondence

Date: April 17, 2023

To: Jennifer Riddell, Course and Program Approvals Committee (CPAC), Faculty of Arts

From: Jason Edgerton, Graduate Chair

Subject: Changes to Supplementary Regulations RE: follow-up written option to a comprehensive exam

In the Department of Sociology and Criminology, all Ph.D. students must successfully complete two comprehensive examinations after the prescribed course work has been completed and before beginning work on a thesis proposal. **These examinations constitute the student's "candidacy examination."**

Currently, if a comprehensive exam committee requires clarification or elaboration (from the student) to evaluate a comprehensive exam, there is only one option, which is to require an oral exam.

The Department has approved a second option which is to request a follow-up written component. This new option will be situated in Box 7.8 (page 44) of the supplementary regulations.

This department would like this text:

"An oral examination may be required (to be held within three weeks following the written exam) to clarify issues emerging out of the written component. The oral examination will provide the candidate with the opportunity to clarify or elaborate on responses. The oral examination will be organized by the Chair and all committee members will participate. This component of the examination process should not exceed two hours in duration."

To be replaced with this text:

"If the committee members deem it necessary, the candidate may be required to undergo a followup examination in which they will be given the opportunity to clarify or elaborate their answers. This follow-up examination (to occur within three weeks after the candidate receives feedback from the committee on their initial exam answers) can take one of two formats, either oral or written (to be determined by the committee). For the oral exam option: the oral examination will be organized by the Chair and all committee members will participate. This component of the follow-up examination process should not exceed two hours in duration. For the written exam option: the clarifying follow-up question(s) will be prepared by the Chair and

evaluated by all committee members, and the candidate's answer(s) should not exceed 5000 words in total. Once the candidate receives the written exam follow-up questions(s), they will have to submit their written answers(s) to the Chair within a timeframe agreed upon by the committee (not to exceed 1 week)."

And on page 45 under "**Evaluation**," an additional phrase will be added.

"All examinations will be graded on a pass/fail basis by a unanimous vote of members of the examination committee on completion of the examination, or, if required, the follow-up

1

examination. The Chair of the examination committee will report the result (in writing) to the student and to the Graduate Chair. All written materials produced by the candidate are the candidate's intellectual property."

Rationale:

- The written option can provide greater clarity than an oral exam, particularly with methods comps.
- Oral exams can be anxiety-inducing.
- Students have different strengths in presenting their knowledge and mastery of a subject. Some perform better in an oral exam, and others perform better in writing.

Please see a separate attachment of the supplementary regulations with track changes.

FGS Academic Guide Regulation 2023/24	Supplementary Regulation
	consultation with the candidate, will determine the time available for the candidate to prepare for the exam and study the literature (usually about three months). Questions for the exam/essay will be prepared by members of the examination committee. For examination formats a) and b), candidates will be provided with advance study questions (or 'practice questions'). Advance study questions will not be the same as those that are prepared for the actual examination. Upon completion of the exam/essay, the Chair will immediately distribute copies to other members of the examination committee for assessment. An oral examination may be required (to be held within three weeks following the written exam) to clarify issues emerging out of the written component. The oral examination will provide the candidate with the opportunity to clarify or elaborate on responses. The oral examination will be organized by the Chair and all committee members will participate. This component of the examination process should not exceed two hours in duration. <u>If the committee members deem it necessary, the candidate may be required to undergo a follow-up examination in which they will be given the opportunity to clarify or elaborate their answers. This follow-up examination (to occur within three weeks after the candidate receives feedback from the committee on their initial exam answers) can take one of two formats, either oral or written (to be determined by the committee). For the oral exam option: the oral examination will be organized by the Chair and all committee members will participate. This component of the follow-up examination process should not exceed two hours in duration. For the written exam option: the clarifying follow-up question(s) will be prepared by the Chair and evaluated by all committee members, and the candidate's answer(s) should not exceed 5000 words in total. Once the candidate receives the written exam follow-up questions(s), they will have to submit their written answers(s) to the Chair within a timeframe agreed upon by the committee (not to exceed 1 week).</u> Preparation: For each comprehensive examination, a preliminary list of readings will be developed by the Chair (in consultation with the student). Committee members will review the preliminary list of readings, and suggest further/alternative readings, as necessary. The Chair, the committee, and the student are jointly

FGS Academic Guide Regulation 2023/24	Supplementary Regulation
	responsible for finalizing the reading list (of approximately 50-75 sources, to include the range of books, articles, and chapters), which will make up the substantive content of the exam/essay. This is essential, since satisfactory performance in course work alone is unlikely to be sufficient preparation for the comprehensive examinations. The Chair of the comprehensive examination committee should inform the Graduate Chair of the intended examination format, when the student begins preparation and study. The examination committee Chair is responsible for ensuring that the comprehensive examination form and reading list is submitted to the Graduate Program Assistant in the Department of Sociology and Criminology. Evaluation: The Chair of the examining committee is responsible for ensuring the examination is evaluated. The Chair will write a summary of the comments provided by each committee member to be given to the student. Comprehensive examination committee members must submit their assessment to the committee within 2 weeks of the examination date. The committee will then decide whether to proceed to an oral examination. All examinations will be graded on a pass/fail basis by a unanimous vote of members of the examination committee on completion of the examination, or, if required, the follow-up examination and any oral defense. The Chair of the examination committee will report the result (in writing) to the student and to the Graduate Chair. All written materials produced by the candidate are the candidate's intellectual property. Students must pass both of their comprehensive examinations before proceeding to the thesis proposal stage of the program. If a student fails one comprehensive examination, he or she is allowed to repeat an examination in the same area. If a student fails a second examination (either a repeated examination or a second examination), he or she will be required to withdraw from the program and the Faculty of Graduate Studies.
7.9 Thesis Proposal Some departments/units have specific procedures in place for approval of thesis proposals and students are advised to refer to the specific department/unit supplementary regulations. The thesis proposal must be independent from the candidacy examination. No recordings will be permitted of the evaluation of the thesis proposal.	The advisory committee is responsible for guiding and supervising the student's work toward a thesis. The first stage in this process is the submission by the student of an acceptable thesis proposal, outlining in some detail the problem that s/he intends to investigate as well as the theory and

In Memoriam: Sheila Andrich

Sheila was born in Winnipeg in 1947 to parents Betty and Jack Andrich, and moved to Yorkton for a year with her parents and then to Saskatoon for about 10 years before coming back to Winnipeg where she lived until her passing.

She attended Vincent Massey Collegiate and United College then the U. of M. where she received her 1st degree in Arts and later her Honours in Psychology. In 1969 she moved to Ottawa for a job in Personnel for the government. In 1973 she attended graduate school in library science at the University of Western Ontario. After she graduated, Sheila returned to Winnipeg where she worked for the Winnipeg Core Area Initiative for a number of years. In 1988 Sheila began work at the University of Manitoba Education Library where she remained until the library closed and she transferred to the Elizabeth Dafoe Library Reference Department in 1997, where her responsibilities were in Psychology and Women's Studies. She always said the best part of her job was interacting with the students. While at the library, Sheila was active in the Status of Women Committee with Dr. Rosa Bruno-Jofre.

She and her father created the Betty Andrich award in 2001 in memory of her mother who had been the first student to take the Library Technician's course at Red River College (at that time known as MIT - Manitoba Institute of Technology). The money designated for that award was to help students already in the workforce going back to school for their library technician's degree. Sheila and her mother had set up a scholarship at the Veterinary college at the University of Guelph in honour of her father who was a veterinarian and specialized in large animal diseases.

Sheila retired in 2008 and she and her subsequent travels included Canada, Cuba, Germany, Switzerland, Austria, Italy, Czech Republic and Hungary. Sheila loved her new house that she and her friend had built and enjoyed the many flowers they grew on the deck and the birds that visited. She had fun picking the different varieties of tomatoes her friend planted and loved being in her home.

Sheila leaves to mourn her dear friend Stella and will be deeply missed by her numerous friends in Winnipeg, Toronto, Ottawa, Ingersoll, Montreal, Saskatoon, Calgary, San Francisco and Germany.

In Memoriam: Michael Angel

Michael Robert Colin Angel, age 83, died September 24, 2023 on Salt Spring Island. Michael was born in Edmonton, Alberta on March 15, 1940. Michael's father, Colin Victor Angel, an Anglo-German immigrant to Canada, served overseas with the Royal Canadian Artillery until 1946. Almina Jeannotte, Michael's French-Canadian mother, raised her son on her own for the first six years of his life, on the Jeannotte family farm in the Big Hay Lakes region of Central Alberta, where Grandmère Eugénie and Oncle Léo also resided.

When Colin returned from the war in early 1946, the family moved to Lacombe, Alberta, where Michael's sister Jeanette was born. After graduating from high school, Michael joined the Royal Canadian Navy (RCN) University Naval Training Division (the "Untidies") and enrolled at the University of Alberta. There, he met the love of his life, Barbara Ann Jackson, a precocious young student in the Department of History, classical pianist, and fellow lover of the outdoors. Married on August 24, 1963, in Edmonton, their first son, Eric David, was born in November of the following year. These were the 1960s, and Michael and Barbara were keen to explore the world and make their mark. Their first stop was Iowa City, where daughter Jeannette Cybèle was born, followed by Guyana, where Michael and Barbara taught while serving with the Canadian University Service Overseas, better known as CUSO.

When their CUSO stint drew to a close in 1969, Michael and Barbara relocated to Winnipeg, Manitoba, where Michael took a job with Red River Community College, instructing in their Library Sciences program. Colin Victor, their second son, was born a few months after the family's return to Canada. Winnipeg would be home to Michael, Barbara and family for the next thirty years. A family cabin on the Winnipeg River near Myrtle Rapids, the regular summer pilgrimage to Birds Hill Park for the Winnipeg Folk Festival, canoe trips with friends and family in the trusty Brigden fibreglass canoe from the Happy Outdoorsman, cross-country ski-ing trips all over southern Manitoba and northwestern Ontario in the winter, a wide circle of friends from around the world, including innumerable house guests who became part of the extended family – it was a rich and fulfilling life with many joys and satisfactions.

Michael retired from the University of Manitoba in 1999 as the Associate Head of the university library system. His career as a librarian had begun at the Edmonton Public Library in the early 1960s. After obtaining a Master's in Library Sciences from the University of British Columbia, Michael worked as a librarian for the University of Iowa, the Manitoba Department of Education, and the University of Manitoba. For many years he held executive positions with the Manitoba Library Association and the Canadian Library Association. In his 50s, a longstanding interest in the history and culture of First Nations led Michael to pursue an interdisciplinary PhD at the University of Manitoba, where he combined history, anthropology and religious studies.

Michael leaves behind Barbara, sister Jeanette and her partner Marlene, son Eric and his partner Erin and grandson Kyden, daughter Jeannette and her husband Randi and their daughters Lydia Jane, Eva Rae and Etta Marguerite, son Colin and his wife Tracy and their son Miles.

In Memoriam – Dr. Vivian May Bruce

Dr. Vivian May Bruce, retired professor in the former Department of Human Nutritional Sciences, passed away on October 12, 2023.

Vivian spent her whole career in what was originally the School of Home Economics that eventually became the Faculty of Home Economics and then the Faculty of Human Ecology.

Her field of expertise was in nutrition, and she collaborated with the late Dr. Bruce McDonald in pioneering work that established the nutritional qualities of canola oil and its effectiveness in lowering blood cholesterol. As a result, it was soon recognized worldwide as high quality, heart healthy oil. This paralleled work by the late Professor Marion Vaisey-Genser and Dr. Michael Eskin on the physicochemical and performance properties of canola oil. The success of their work essentially changed the agricultural landscape of Canada making canola oil the third largest edible oil globally.

For her important contributions Vivian received the Order of Manitoba in 2019. She was a consummate professor who loved to teach, mentor, and carry out research. She developed a wonderful relationship with her graduate students who remained in close contact with her wherever they were in the world. She also served a term as Department Head and was highly regarded by her colleagues. Vivian remained a passionate supporter of the faculty even after her retirement. She was also an active and strong supporter of the Women's Institute at the University of Manitoba. It can truly be said of Vivian that she had a life well lived.

Winnipeg Free Press Obituary - <https://passages.winnipegfreepress.com/passage-details/id-319832/VIVIAN-BRUCE>

REPORT OF THE SENATE COMMITTEE ON AWARDS

Preamble

Terms of reference for the Senate Committee on Awards include the following responsibilities:

On behalf of Senate, to approve and inform Senate of all new offers and revised offers of awards that comply with the Student Awards Policy.

Observations

At its meeting of October 24, 2023, the Senate Committee on Awards approved 3 new offers, 9 revised offers and 3 withdrawals as set out in the *Report of the Senate Committee on Awards (October 24, 2023)*.

Recommendations

On behalf of Senate, the Senate Committee on Awards recommends that the Board of Governors approve 3 new offers, 9 revised offers and 3 withdrawals as set out in the *Report of the Senate Committee on Awards (October 24, 2023)*. These award decisions comply with the Student Awards Policy.

Respectfully submitted,

Dr Glen Clark

Acting Chair, Senate Committee on Awards

SENATE COMMITTEE ON AWARDS

October 24, 2023

1. NEW OFFERS

Burgess Family Bursary

The Burgess Family established an annually funded bursary for six years at the University of Manitoba in 2023. The purpose of the fund is to provide financial support to a student in the School of Art. Each year, beginning in 2024-2025 and ending in 2029-2030, one bursary valued at \$5,000 will be offered to a graduate student who:

- (1) is enrolled full-time in the Faculty of Graduate Studies in the Master of Arts and Architectural History program offered through the School of Art;
- (2) has achieved a minimum grade point average of 3.0; and
- (3) has demonstrated financial need on the standard University of Manitoba general bursary application form.

The Dean of the Faculty of Graduate Studies (or designate) will ask the Director of the School of Art (or designate) to name the selection committee for this award.

This agreement may be amended by the mutual consent of the donor (or designate) and the University of Manitoba. All such amendments shall be in writing. In the absence of the donor (or designate), and providing all reasonable efforts have been made to consult, the Board of Governors of the University of Manitoba has the right to modify the terms of this award if, because of changed conditions, it becomes necessary to do so. Such modification shall conform as closely as possible to the expressed intention of the donor in establishing the award.

Charles Paragg Memorial Bursary

In memory of Charles Paragg, his family and friends established an annually funded bursary in his name at the University of Manitoba in 2022. The purpose of the fund is to provide financial support to a student in the Max Rady College of Medicine. Each year, beginning in 2023-2024, one bursary at a value of \$1,000 will be offered to an undergraduate student who:

- (1) is enrolled full-time (minimum 60% course load) in the first or second year of study in the Undergraduate Medical Education program in the Max Rady College of Medicine;
- (2) is in good academic standing; and
- (3) has demonstrated financial need on the standard University of Manitoba general bursary application form.

The Dean of the Rady Faculty of Health Sciences (or designate) will ask the Vice Dean of Education for the Rady Faculty of Health Sciences (or designate) to chair the committee.

This agreement may be amended by the mutual consent of the donor (or designate) and the University of Manitoba. All such amendments shall be in writing. In the absence of the donor (or designate), and providing all reasonable efforts have been made to consult, the Board of Governors of the University of Manitoba has the right to modify the terms of this award if, because of changed conditions, it becomes necessary to do so. Such modification shall conform as closely as possible to the expressed intention of the donor in establishing the award.

Master of Landscape Architecture Program 50th Anniversary Student Recruitment Scholarship

In honour of the 50th Anniversary of the Master of Landscape Architecture (MLA) program and the Department of Landscape Architecture at the University of Manitoba, an endowment fund has been established at the University of Manitoba in 2023. The purpose of the fund is to reward the academic achievements of students in the Department of Landscape Architecture. Each year, beginning in 2025-2026, the available annual income from the fund will be used to offer one or more scholarships to graduate students who:

- (1) are enrolled full-time in the Faculty of Graduate Studies in the first year of study in the Master of Landscape Architecture program;
- (2) have graduated with a Bachelor of Environmental Design (Landscape + Urbanism option) offered through the Faculty of Architecture at the University of Manitoba; and
- (3) have achieved a minimum grade point average of 3.5 based on the last 60 credit hours (or equivalent) of study.

The selection committee will have the discretion to determine the number and value of the awards offered each year based on the available income from the fund.

The Dean of the Faculty of Graduate Studies (or designate) will ask the Dean of the Faculty of Architecture (or designate) to name the selection committee for this award.

This agreement may be amended by the mutual consent of the donor (or designate) and the University of Manitoba. All such amendments shall be in writing. In the absence of the donor (or designate), and providing all reasonable efforts have been made to consult, the Board of Governors of the University of Manitoba has the right to modify the terms of this award if, because of changed conditions, it becomes necessary to do so. Such modification shall conform as closely as possible to the expressed intention of the donor in establishing the award.

2. AMENDMENTS

Adalsteinn Kristjansson Travelling Scholarship

The following amendments were made to the terms of reference for the Adalsteinn Kristjansson Travelling Scholarship:

- The preamble was revised to:
One scholarship is offered annually to an applicant who has graduated from the University of Manitoba or from one of its affiliated colleges and who will be pursuing a master's or doctoral program. The scholarship is renewable for one additional year following the successful completion of the recipient's first year of graduate studies. The purpose of the fund is to reward the academic achievements of students who have completed an undergraduate degree from the University of Manitoba and have chosen to pursue graduate studies outside of the University of Manitoba. Each year, half of the available annual income from the fund will be used to offer one scholarship to the graduate student who:
- The numbered criteria were revised to:
(1) has graduated from any undergraduate program offered within the Faculty of Science or the Faculty of Arts at the University of Manitoba within the past five years at the time of the application's submission;

- (2) *has achieved a minimum grade point average of 3.5 based on the last 60 credit hours (or equivalent) of completed university-level study;*
- (3) *has been accepted to, and intends to pursue studies within the next twelve months in any graduate program which leads to a master's or doctoral degree that is one year or more in duration at an accredited university in Europe, the United States of America, or Canada (not including the University of Manitoba or any of its affiliated colleges); and*
- (4) *has demonstrated outstanding academic achievement, leadership skills, and involvement in extra-curricular activities throughout the duration of their undergraduate degree.*
- The paragraph following the numbered criteria was revised to:
In the event that there are no successful applicants in any given year, the portion of the income from the fund dedicated to the new recipient will be returned to the capital of the fund.
- The selection committee paragraph was revised to:
The Dean of the Faculty of Graduate Studies (or designate) will name the selection committee for this award.
- The standard Board of Governors statement was added.

Animal Nutrition Association of Canada (ANAC) Manitoba Division Scholarships

The following amendments were made to the terms of reference for the Animal Nutrition Association of Canada (ANAC) Manitoba Division Scholarships:

- The preamble was revised to:
An annually funded scholarship was established by the Manitoba Division of the Animal Nutrition Association of Canada, to recognize undergraduate students who are diploma or degree students enrolled in the Faculty of Agricultural and Food Sciences. Each year, beginning in 2016-2017, two scholarships of \$2,000 each will be offered to undergraduate students who:
- The numbered criteria were revised to:
 - (1) *are enrolled full-time (minimum 80% course load) in any year of study in the Diploma in Agriculture or a Degree program in the Faculty of Agricultural and Food Sciences;*
 - (2) *have achieved either:*
 - (a) *if entering directly from high school, a minimum 80% average on those courses considered for admission, or*
 - (b) *a minimum degree grade point average of 3.0; and*
 - (3) *have demonstrated community service, membership in associations and other personal achievements.*
- The paragraph following the numbered criteria was revised to:
Candidates will be required to submit an application that includes the following: an essay (maximum 500 words) that details their community service involvement, personal achievements, and the reasons they feel they are deserving of the scholarship; the candidate should also include information on their membership in professional associations and a statement on why they believe that the Animal Nutrition Association of Canada is important to Canada's Feed Industry.

Back-To-The-Land Association Prize

The following amendments were made to the terms of reference for the Back-To-The-Land Association Prize:

- The preamble was revised to:
The Back-To-The-Land Association established an endowment fund at the University of Manitoba in 1980. The purpose of the fund is to encourage students registered in the final year of the Diploma in Agriculture program to return to farming. The prize(s) will be awarded at the School of Agriculture graduation banquet. Each year, the available annual income will be used to offer one or more convocation prizes to undergraduate students who:
- The numbered criteria were revised to:
 - (1) *were enrolled full-time (minimum 80%) in the final year of the Diploma in Agriculture program in the Faculty of Agricultural and Food Sciences at the University of Manitoba;*
 - (2) *have successfully completed the requirements of the Diploma in Agriculture program in the Faculty of Agricultural and Food Sciences;*
 - (3) *have a minimum degree grade point average of 3.0; and*
 - (4) *plan to return to farming after completing the Diploma in Agriculture program.*
- The paragraph following the numbered criteria was revised to:
In order to demonstrate how they meet criterion (4), applicants must submit a written statement (maximum 250 words) outlining their plans to return to farming along with detailed information about the farm and the farm operation they plan to run.
- The following paragraph was added:
The selection committee has the discretion to determine the number and value of awards offered each year based on the available funds, as outlined in the criteria above.

Dairy Farmers of Manitoba Awards

The following amendments were made to the terms of reference for the Dairy Farmers of Manitoba Awards:

- The preamble was revised to:
The Dairy Farmers of Manitoba established an endowment fund with a gift of \$100,000 in 2007. The purpose of the fund is to award prizes to graduating students in the Faculty of Agricultural and Food Sciences who have demonstrated an interest in dairy science. The Manitoba Scholarship and Bursary Initiative has made a contribution to this fund. Each year, the available annual income from the fund will be used to offer two prizes of equal value: one to an undergraduate student in the Animal Systems program and one to an undergraduate student in the Food Science program who:
- The numbered criteria were revised to:
 - (1) *have completed at least an 80% course load (24 credit hours) in their graduating year;*
 - (2) *have achieved a minimum degree grade point average of 3.0 in the Animal Systems or Food Science programs;*
 - (3) *demonstrated an interest in dairy science by completing one or more of the following courses:*
 - (a) *ANSC 4530 Ruminant Production Systems – Milk;*

- (b) *FOOD 3160 Frozen Dairy Products;*
- (c) *FOOD 3170 Cheese and Fermented Milk Products; and*
- (4) *demonstrated leadership in their home community and on campus*

- The paragraph following the numbered criteria was revised to:

In order to demonstrate how they meet criteria (4), candidates must submit an application that includes a brief description (maximum 500 words) outlining their involvement in specific experiences that speak to their leadership abilities.

- The following paragraph was revised to:

In the event that there are no students who meet all of the numbered criteria, the course instructors along with the Animal Systems and Food Science Program Chairs may make a recommendation to the Faculty of Agricultural and Food Sciences Awards Committee.

- The following paragraph was revised to:

The selection committee will have the discretion to determine the number and value of awards offered each year based on the available funds, as outlined in the criteria above.

- The selection committee paragraph was revised to:

The selection committee for these awards will be the Faculty of Agricultural and Food Sciences Awards Committee.

- The standard Board of Governors statement was added.

Dr. Eugene H. “Papa” Lange Memorial Bursary in Agriculture

The following amendments were made to the terms of reference for the Dr. Eugene H. “Papa” Lange Memorial Bursary in Agriculture:

- The preamble was revised to:

In honour of Dr. Eugene Lange and in acknowledgment of his contribution to developing agricultural leaders, an endowment fund with an initial value of more than \$11,000 was established in 2013. Dr. Lange served as the Director of the School of Agriculture from 1952 to 1972. The purpose of the fund is to support students in the Agriculture Diploma program. Each year, beginning in 2018-2019, two thirds of the fund’s available annual income will be used to offer one bursary to an undergraduate student who:

- The numbered criteria were revised to:

(1) is enrolled full-time (minimum 60% course load) in the first or second year of study of the Agriculture Diploma program offered by the School of Agriculture at the University of Manitoba;

(2) has achieved a minimum degree grade point average of 2.5, or has met admission requirements for the Agriculture Diploma program; and

(3) has demonstrated financial need on the standard University of Manitoba general bursary application form.

- The paragraph following the numbered criteria was added:

Preference will be given to students who are in their first year of study.

- The selection committee paragraph was revised to:

The selection committee will be the Faculty of Agricultural and Food Sciences Awards Committee, which will ask the advice of the Director of the School of Agriculture (or designate) for this award.

Dr. Peter E. Cansfield Award

The following amendments were made to the terms of reference for the Dr. Peter E. Cansfield Award:

- The preamble was revised to:
In memory of Dr. Peter Evens Cansfield, formerly of the Food Science and Soil Science Departments, his colleagues and friends established a trust fund at the University of Manitoba in 1983. Each year, the available annual income from the fund will be used to offer one prize to an undergraduate student who:
- The numbered criteria were revised to:
 - (1) *is registered full-time (minimum 80% course load) in the Food Science program in the Faculty of Agricultural and Food Sciences;*
 - (2) *has achieved a minimum degree grade point average of 3.0;*
 - (3) *achieves the highest grade in Elements of Biochemistry I (currently numbered CHEM 2730/MBIO 2730) or Biochemistry I: Biomolecules and an Introduction to Metabolic Energy (currently numbered CHEM 2700/MBIO 2700) and;*
 - (4) *achieves the highest grade in Food Chemistry (currently numbered FOOD 2500).*
- The standard Board of Governors statement was added.

Faculty of Graduate Studies Travel Award or Grant

The following amendments were made to the terms of reference for the Faculty of Graduate Studies Travel Award or Grant:

- *The Faculty of Graduate Studies allocates funds to offer travel awards to assist master's and doctoral students with costs for travel to conferences, major festivals or other artistic events sponsored by recognized national or international organizations. Funding for these travel awards also comes from the proceeds of the Learned Societies (Congress for Social Sciences and Humanities) Conference held at the University of Manitoba in 1986. The awards are valued at \$750 for travel within North America, and \$1,000 for international travel outside of North America.*

- The numbered criteria were revised to:

Faculty of Graduate Studies Travel Award

Award #46094

Each year, one or more travel scholarships will be offered to graduate students who:

- (1) *are enrolled full-time in the Faculty of Graduate Studies at the time of presentation, in any master's or doctoral program;*
- (2) *have achieved a minimum grade point average of 3.5 in the last 60 credit hours (or equivalent) of study; and*
- (3) *will attend a conference, a major festival, or other artistic event sponsored by a recognized national or international organization for the presentation of a paper, poster, or other creative work pertinent to their studies.*

- The paragraph following the numbered criteria was revised to:

Candidates must submit an application that includes: (a) confirmation that their paper, poster, or other creative work has been accepted by organizers of the conference, festival, or artistic event; and (b) an abstract of their paper or poster (one page maximum) submitted to the Faculty of Graduate Studies.

A student may not hold the Faculty of Graduate Studies Travel Award more than once at the master's level, more than twice at the doctoral level or with the Faculty of Graduate Studies Travel Grant (Award # TBA).

- The following paragraphs were added:

Faculty of Graduate Studies Travel Grant

Award # TBA

Each year, one or more travel grants will be offered to graduate students who:

- (1) are enrolled full-time in the Faculty of Graduate Studies at the time of presentation, in any master's or doctoral program;*
- (2) have achieved a minimum grade point average of 3.0 in the last 60 credit hours (or equivalent) of study ;*
- (3) are not eligible for the Faculty of Graduate Studies Travel Award (Award # 46094); and*
- (4) will attend a conference, a major festival, or other artistic event sponsored by a recognized national or international organization for the presentation of a paper, poster, or other creative work pertinent to their studies.*

Candidates must submit an application that includes: (a) confirmation that their paper, poster, or other creative work has been accepted by organizers of the conference, festival, or artistic event; and (b) an abstract of their paper or poster (one page maximum) submitted to the Faculty of Graduate Studies.

A student may apply for the Faculty of Graduate Studies Travel Grant once per academic program at the master's level or at the doctoral level. Funds are limited. Funding will be confirmed on an annual basis.

The selection committee has the discretion to determine the number and value of awards offered each year based on the available funds, as outlined in the criteria above.

- The selection committee paragraph was revised to:

The Dean of the Faculty of Graduate Studies (or designate) will name the selection committee for this award.

Graduate Students' Association Awards

The following amendments were made to the terms of reference for Graduate Students' Association Awards:

- The preamble was revised to:

The Graduate Students' Association confers peer-to-peer recognition of fellow graduate students who are currently not recognized by the University of Manitoba Graduate Fellowship or other national awards. The Awards are designed to recognize the important contributions graduate students make to society through scholarship and community involvement. The Awards have been made possible by the generous contribution of Dr. James Burns, a levy applied to all graduate

students approved through a GSA referendum, and a contribution made by the Manitoba Scholarship and Bursary Initiative.

Students will submit their applications to their department. Each graduate department will be eligible to nominate one candidate for the master's level award, one candidate for the doctorate level award and one candidate for the part-time award.

- The numbered criteria were revised to:

Scholarships for full-time master's students

Award # 45414

Each year, two scholarships valued at \$12,000 each will be offered to graduate students who:

- (1) are enrolled full-time in the Faculty of Graduate Studies at the University of Manitoba in a master's (not pre-master's) program;*
- (2) do not hold any major fellowships [including, but not limited to, Social Sciences and Humanities Research Council (SSHRC), Natural Sciences and Engineering Council (NSERC), Canadian Institute for Health Research (CIHR), Manitoba Health Research Council (MHRC), University of Manitoba Graduate Fellowships (UMGF)]; and*
- (3) have contributed to society through scholarship and community.*

Scholarships for part-time students

Award # 45416

Each year, two scholarships valued at \$5,000 each will be offered to graduate students who:

- (1) are enrolled part-time in the Faculty of Graduate Studies at the University of Manitoba in either a master's or doctoral (not pre-master's) program;*
- (2) do not hold any major fellowships (including, but not limited to, SSHRC, NSERC, CIHR, MHRC, University of Manitoba Graduate Fellowships); and*
- (3) have contributed to society through scholarship and community involvement.*

- The paragraph following the numbered criteria was added:

If enough unspent income is available any year, one or more additional scholarships can be offered in each of the above categories.

- The following paragraphs were revised to:

Recipients must be registered in the academic session for which the awards are tenable in order to accept the award. The awards will not be renewable for a second year but a recipient at the master's level may apply and be considered again at the doctorate level of study. Normally, the starting date of the award is September. The award may be deferred for one term only (four months).

Recipients will be invited to present their academic and community contributions at the Graduate Students' Association Seminar Series.

The scholarships cannot be held with the Graduate Students' Association Bursaries.

- The standard Board of Governors statement was added.

Helga Nielson Westdal Memorial Bursary

The following amendments were made to the terms of reference for the Helga Nielson Westdal Memorial Bursary:

- The preamble was revised to:
In memory of Helga Westdal, her husband and family established a trust fund at the University of Manitoba in 1971. The purpose of the fund is to provide financial support to a student in the Faculty of Agricultural and Food Sciences. Each year, beginning in 1972-1973, the available annual income from the fund will be used to offer one bursary to an undergraduate student who:
- The numbered criteria were revised to:
 - (1) *is enrolled full-time (minimum 60% course load) in the third or fourth year of study in the Plant Biotechnology or Agronomy degree program in the Faculty of Agricultural and Food Sciences;*
 - (2) *has achieved a minimum degree grade point average of 2.5; and*
 - (3) *has demonstrated financial need on the standard University of Manitoba general bursary application form.*
- The paragraph following the numbered criteria was revised to:
If in the opinion of the selection committee, there are no suitable applicants, any unspent revenue may be held over to offer the award the following year.
- The following paragraph was added:
The selection committee will have the discretion to determine the value of the award offered each year based on the available annual income from the fund and the level of financial need demonstrated by candidates for this bursary.
- The selection committee paragraph was revised to:
The selection committee for these awards will be the Faculty of Agricultural and Food Sciences Awards Committee.
- The standard Board of Governors statement was added.

3. WITHDRAWALS

Herb Olsen Athletic Therapy Prize

At the request of the donor.

Master of Physician Assistant Studies Future of the Profession Graduation Prize

At the request of the donor.

Rickk and Merril MacKay Business Bursary

At the request of the donor.

Date: November 6, 2023

To: Dr. Peter Nickerson, Vice-Provost (Health Sciences), Dean, Rady Faculty of Health Sciences, and Dean, Max Rady College of Medicine

From: Dr. Greg Smith, Vice-Provost (Academic Planning and Programs)



Re: Extension of the temporary cessation of the Bachelor of Human Ecology (Family Social Sciences) and of the Family Social Sciences, After-Degree Program

Please find attached Manitoba Advanced Education and Training's approval of UM's proposal for an extension to the temporary cessation of the following programs in the Rady College of Medicine, Community Health Sciences department:

- Bachelor of Human Ecology (Family Social Sciences)
- Family Social Sciences, After-Degree Program

This follows Dr. Benarroch's decision of May 26, 2023, to approve the request to suspend admissions following consultation with Senate and the Board. Accordingly, suspension of admissions to the programs will be effective the Fall Term 2023 for two academic years, 2023-2024 and 2024-2025, respectively. The extension to the temporary cessation will allow for current students to complete their programs. The unit has indicated that their intent is to put forward a proposal to close the program once all students have had an opportunity to complete.

Please note that the review of the status of these suspensions should be raised for no later than February 1, 2025.

Thank you to everyone involved in this process. By copy of this notice, I will ask that offices proceed accordingly.

Cc: Michael Benarroch, President and Vice-Chancellor
Diane Hiebert-Murphy, Provost and Vice-President (Academic)
Laurie Schnarr, Vice-Provost (Students)
Jeff Adams, Registrar and Executive Director of Enrolment Services
Jeff Leclerc, University Secretary
Randy Roller, Executive Director, OIA
Jennifer Marchant, Academic Programs Specialist

/jm



**Advanced Education and Training
Deputy Minister**

Room 143, Legislative Building, Winnipeg, Manitoba, Canada R3C 0V8
T 204-945-1610
dmaet@manitoba.ca

October 12, 2023

Dr. Michael Benarroch
President and Vice-Chancellor
University of Manitoba
president@umanitoba.ca

Dear Dr. Michael Benarroch:

I am pleased to advise that the Department of Advanced and Training has reviewed and approved the University of Manitoba's proposal to extend the temporary suspension of new intakes to the Bachelor of Human Ecology in Family Social Sciences and the After Degree in the Bachelor of Human Ecology for two years, as submitted.

As I understand from the proposal, the extended temporary cessation will allow time for existing students to complete the program. I also understand that during the extended temporary cessation, the University of Manitoba will redirect new students who might be interested in a Family Social Science program into the Bachelor of Health Studies program.

It is the department's expectation that the University will return at a later date to permanently cease the program once all existing students have completed their degree requirements and graduated. I appreciate the University of Manitoba's continued efforts to improve its programming to enhance positive student outcomes and labour market alignment.

Should you have any questions regarding this approval, please contact Mr. Grant Prairie, A/Senior Director, Post-Secondary Institutions Branch, at 204-945-8564 or at Grant.Prairie@gov.mb.ca.

Sincerely,

Jan Forster
Deputy Minister
Advanced Education and Training

- c. Dr. Greg Smith, Vice-Provost (Academic Planning and Programs), University of Manitoba
Colleen Kachulak, Assistant Deputy Minister, Advanced Education Division
Grant Prairie, A/Senior Director, Advanced Education and Training

Date: November 6, 2023

To: Dr. Rob Hoppa, Acting Dean, Faculty of Arts

From: Dr. Greg Smith, Vice-Provost (Academic Planning and Programs)



Re: Extension of the temporary cessation of admission to the Master of Arts in Icelandic Language and Literature program

Please find attached Manitoba Advanced Education and Training's approval of UM's proposal for the temporary cessation of admissions to the following program:

- Master of Arts in Icelandic Language and Literature

This follows Dr. Benarroch's decision of July 7, 2023, to approve the request to extend the temporary cessation of the program following consultation with Senate and the Board.

Accordingly, suspension of admissions to the programs will be effective the Fall Term 2023 for two academic years, 2023-2024 and 2024-2025, respectively. During this time the department plans to continue to build capacity within the community, and to identify alternative teaching models for graduate-level instruction in the program. This process was disrupted and delayed during the COVID-19 pandemic.

Please note that the review of the status of this suspension should be raised for no later than February 1, 2025.

Thank you to everyone involved in this process. By copy of this notice, I will ask that offices proceed accordingly.

Cc: Michael Benarroch, President and Vice-Chancellor
Diane Hiebert-Murphy, Provost and Vice-President (Academic)
Laurie Schnarr, Vice-Provost (Students)
Jeff Adams, Registrar and Executive Director of Enrolment Services
Kelley Main, Dean, Faculty of Graduate Studies
Jeff Leclerc, University Secretary
Randy Roller, Executive Director, OIA
Jennifer Marchant, Academic Programs Specialist



**Advanced Education and Training
Deputy Minister**

Room 143, Legislative Building, Winnipeg, Manitoba, Canada R3C 0V8
T 204-945-1610
dmaet@manitoba.ca

October 13, 2023

Dr. Michael Benarroch
President and Vice-Chancellor
University of Manitoba
president@umanitoba.ca

Dear Dr. Michael Benarroch:

I am pleased to advise that the Department of Advanced Education and Training has reviewed and approved the University of Manitoba's proposal to extend the temporary cessation of admission to the Master of Arts in Icelandic Language and Literature program until August 2025, as submitted.

I understand that the University has been collaborating with the Icelandic-Canadian community to enhance funding and support for the program. Since the program has been suspended since 2015, the department is requesting that the University return with a permanent plan for the program by March 2025 for review and consideration of the department. It is imperative that a permanent solution is in place for the 2025/26 academic year as the program will have been ceased for a decade and the department will no longer consider extensions to the temporary cessation of this program.

I appreciate the University's ongoing commitment to provide students with excellent educational programs while ensuring program sustainability. Should you have any questions regarding this approval, please contact Mr. Grant Prairie, A/Senior Director, Post-Secondary Institutions Branch, at 204-945-8564 or at Grant.Prairie@gov.mb.ca.

Sincerely,

Jan Forster
Deputy Minister
Advanced Education and Training

c: Dr. Greg Smith, Vice-Provost (Academic Planning and Programs), University of Manitoba
Colleen Kachulak, Assistant Deputy Minister, Advanced Education Division
Grant Prairie, A/Senior Director, Advanced Education and Training

Report of the Senate Executive Committee

Preamble

The Executive Committee of Senate held its regular monthly meeting on the above date.

Observations

1. Speaker for the Executive Committee of Senate

Professor Shawna Ferris will be the Speaker for the Executive Committee for the December 6, 2023, meeting of Senate.

2. Comments of the Executive Committee of Senate

Other comments of the Executive Committee accompany the report on which they are made.

Respectfully submitted,

Dr. Michael Benarroch, Chair
Senate Executive Committee

[Terms of Reference](#)

Report of the Faculty Council of the Faculty of Graduate Studies on Course, Program, Supplementary Regulation, and Regulation Changes

Preamble

1. The Faculty of Graduate Studies (FGS) has responsibility for all matters relating to the submission of graduate course, curriculum, program, supplementary regulation and regulation changes. Recommendations for such are submitted by the Faculty Council of Graduate Studies for the approval of Senate.
2. The Faculty Council of Graduate Studies met on the above date to consider a proposal from the Faculty of Graduate Studies.

Observations

1. The **Faculty of Graduate Studies** proposes additions to the list of Countries Exempt from English Language Requirements.

Upon admission to the University of Manitoba, if an applicant does not hold a high school diploma or a university degree from a country on the English Language Exemption list, they are required to demonstrate a minimum level of English language proficiency in order to be eligible for admission to the Faculty of Graduate Studies. A complete list of the English language proficiency requirements and the exempted countries are available at: <https://umanitoba.ca/graduate-studies/graduate-student-admissions/requirements#english-language-proficiency-requirements>

Applicants from a number of countries whose primary language is English are exempt from presenting an English language proficiency test as part of the admissions process.

Waiver lists and requirements from the other U15 institutions have recently been reviewed. The CIA World Factbook was examined to confirm the primary language and percent of population that speaks English. This, coupled with the UM's attempt to standardize exemption lists between undergraduate and graduate admissions, FGS is proposing that the following countries be added to the exemption list:

- Gambia
- Ethiopia
- Botswana
- Liberia
- Tanzania

Recommendations

Faculty Council of Graduate Studies recommends THAT the proposal from the unit listed below be approved by Senate:

Faculty of Graduate Studies

Respectfully submitted,

Dr. Kelley J. Main, Chair
Faculty Council of Graduate Studies

Comments of the Senate Executive Committee:
The Senate Executive Committee Endorses the Report to Senate.

Report of the Faculty Council of the Faculty of Graduate Studies on Course, Program, Supplementary Regulation, and Regulation Changes

Preamble

1. The Faculty of Graduate Studies (FGS) has responsibility for all matters relating to the submission of graduate course, curriculum, program, supplementary regulation and regulation changes. Recommendations for such are submitted by the Faculty Council of Graduate Studies for the approval of Senate.
2. The Faculty Council of Graduate Studies met on the above date to consider a proposal from the Asper School of Business.

Observations

1. The **Asper School of Business** proposes several M.Sc. & Ph.D. Supplementary Regulation Changes.

In section 1.1.9 of the supplemental regulations for the MBA, the previous minimum GMAT score of 500 has been raised to a required minimum GMAT score of 550 (or equivalent GRE). Relatively few students apply to the program with scores under 550, so this change will have a minimal effect on the MBA's admission numbers. Raising the requirement will assist in ensuring qualified applicants enter the program. The 550 requirement is also more consistent with the requirements from other comparable Canadian universities (with only the University of Regina requiring a minimum 500 score).

In section 1.1.9 of the supplemental regulations for the MBA, the alternative assessment to the GMAT is introduced as the Faculty Council of the Asper School of Business has approved the permanent implementation of a concurrent path to the GMAT/GRE for high achieving applicants. Applicants who meet a minimum admission GPA of 3.3 and the other requirements are eligible to complete the alternative assessment instead of submitting a GMAT/GRE score.

In October 2022, the Asper School of Business was granted an extension of the GMAT waiver for MBA admission for Fall 2023, January 2024 and Fall 2024 admission periods with the understanding to make this a permanent change to the supplementary regulations in due time. The GMAT waiver was first successfully implemented in 2021, substituting a formal interview process for the GMAT requirement, in addition to an augmented GPA requirement. Applicants who may not be able to or choose not to do the GMAT, Asper School requests a GPA requirement of 3.3/4.5 (FGS admission is 3.0/4.5) or higher, plus success in a formal interview, along with the required work experience (2 years minimum) and reference letters. For students who complete the GMAT and are successful, there would be no need for the interview to substitute for the GMAT and the accompanying GPA requirement would be 3.0/4.5 as in previous years.

Asper School reports that they have now gathered substantial GPA data to date and see that students entering via the GMAT waiver route do not show a deficit in grades over those entering with the GMAT and are wanting to implement the GMAT waiver permanently; however, rebranding it as an alternative assessment, rather than a GMAT Waiver.

The alternative assessment (formerly GMAT waiver) is a recorded, computer-based assessment that will test both the applicants' verbal and quantitative reasoning during 5 questions that take about 20-30 minutes to complete. While the interview process is computer-based, the assessment and evaluation of the interview is done by faculty members in the Asper School of Business.

In section 1.1.9 of the supplemental regulations for the MBA, the Canadian based P.Eng. is added to the list of professional designations approved for GMAT waiver for admission for the MBA program along with CPA and CFA designations.

In section 6.3.2 of the MSCM supplemental regulations, the admission GPA for the MSCM co-op entry will be changed to 3.0 to be in line with both the MBA and M.Fin. co-op entrance requirements.

The proposal was approved by the Asper School of Business Faculty Council on June 16, 2023.

Recommendations

Faculty Council of Graduate Studies recommends THAT the proposal from the unit listed below be approved by Senate:

Asper School of Business

Respectfully submitted,

Dr. Kelley J. Main, Chair
Faculty Council of Graduate Studies

/ak

Comments of the Senate Executive Committee:
The Senate Executive Committee Endorses the
Report to Senate.

FGS Academic Guide Regulation 2023/24	Supplementary Regulation
- Intensive Academic English Program (IAEP) minimum score required: Pass Level 5/AEPUCE Academic English Program for University and College Entrance (AEPUCE) (65%) - PTE Academic (61% overall) Note: Some units may require a specific test or test scores greater than those indicated above. Students should check department/unit supplementary regulations for details. Applicants holding secondary school diplomas and/or recognized university degrees from countries on the Faculty of Graduate Studies English Language exemption list are not required to submit an English Language Proficiency score. For more information please see our website.	subsequent tutorial will be the responsibility of the student.
1.1.8 Letters of Recommendation Letters of Recommendation are to be completed via the online application. Recommendation letters submitted via post or email are not accepted. Applicants are required to add their 'Recommendation Provider(s)' contact information so that each recommender is sent an automated email notification. Generally, two (2) Letters of Recommendation must be submitted to the Faculty of Graduate Studies. The number of required recommendation letters for an application for admission is stated on the program's webpage which is available at this link. Units may have different requirements on the number of and content required in recommendation letters.	The aim of the Asper School of Business MBA is to identify and prepare individuals for senior and executive general management positions in business. Applicants are asked to provide two letters of recommendation associated with their professional/work background, as well as an employment history/résumé. Ideally, at least one referee should be a current immediate or higher level supervisor or primary business contact. Referees must be able to comment, from authoritative observation, on the applicant's professional abilities and business leadership potential. In the situation where an applicant has limited full-time work experience, the referees can be: a) professor(s) with whom the student worked closely during previous studies; and/or b) immediate summer/part-time employment supervisor(s).
1.1.9 Admission Tests Some departments/units require admissions tests, such as the Graduate Record Examination (GRE®) or the Graduate Management Aptitude Test (GMAT™). These requirements are listed in the department/unit's supplementary regulations. If required, the scores must be submitted at the time of application.	<u>Admission Pathways with respect to Admission Tests:</u> <u>GMAT/GRE</u> For admission to the Asper School of Business MBA program, applicants must provide a GMAT or GRE score. A <u>minimum score above of 550</u> is <u>preferred-required for admission</u> (or equivalent GRE score). No student scoring below <u>550</u> on the GMAT (or equivalent GRE) will be considered for admission. <u>GMAT/GRE Exemptions</u> <u>Applicants who meet a minimum admission GPA of 3.3 and all other requirements are eligible to complete the alternative assessment instead of submitting a GMAT/GRE score.</u> <u>Alternative Assessment with GPA and all other requirements</u>

FGS Academic Guide Regulation 2023/24	Supplementary Regulation
	MBA applicants with a degree GPA of 3.5 or higher who have graduated from the University of Manitoba with a B.Comm. in the last 5 years would be exempt from the GMAT/GRE requirement. MBA applicants with a degree GPA of 3.5 or higher who have graduated from the University of Manitoba with a B.Sc. in the last 5 years and have a grade of B+ or higher in MATH 1230, MATH 1500, MATH 1501, MATH 1510, MATH 1520, MATH 1524 or MATH 1690 or another course in calculus with permission of the Asper School of Business MBA Admissions Committee and a grade of B+ or higher in STAT 1000, STAT 1001 or STAT 1150 or another course in statistics with permission of the Asper School of Business MBA Admissions Committee would be exempt from the GMAT/GRE requirement. MBA applicants with a degree GPA of 3.5 or higher who have graduated from the University of Manitoba with a B.Sc. in Engineering in the last 5 years and have a grade of B+ or higher in ENG 3000 and a grade of B+ or higher in MATH 1230, MATH 1500, MATH 1501, MATH 1510, MATH 1520, MATH 1524 or MATH 1690 or another course in calculus with permission of the Asper School of Business MBA Admissions Committee and a grade of B+ or higher in STAT 1000, STAT 1001 or STAT 1150 or another course in statistics with permission of the Asper School of Business MBA Admissions Committee would be exempt from the GMAT/GRE requirement. MBA applicants with a degree GPA of 3.5 or higher who have graduated from the University of Manitoba with a B.A. in the last five years and have a grade of B+ or higher in two of ECON 2010, ECON 2030, ECON 3010, ECON 3020 and have a grade of B+ or higher in MATH 1230, MATH 1500, MATH 1501, MATH 1510, MATH 1520, MATH 1524 or MATH 1690 or another course in calculus with permission of the Asper School of Business MBA Admissions Committee and a grade of B+ or higher in STAT 1000, STAT 1001 or STAT 1150 or another course in statistics with permission of the Asper School of Business MBA Admissions Committee would be exempt from the GMAT/GRE requirement. MBA applicants who hold the CPA designation (CPA Canada), or the CFA designation or the Canadian based PEng, are in good standing with their professional body, and have been practicing in their respective field for the past two years or longer would be exempt from the GMAT/GRE requirement.
1.1.10 Entrance Requirements	See section 6.2 for Asper School of Business MBA admission requirements and procedures.

FGS Academic Guide Regulation 2023/24	Supplementary Regulation
	8 – SCM 7012 - Global Transportation Principles (3 credit hours) 9 - OPM 7180 - Sustainable Lean Management (3 credit hours) 10 - SCM 7040 - Logistics Management (3 credit hours) 11 - SCM 7042 - Purchasing and Procurement in Supply Chains (3 credit hours) 12 - SCM 7044 - Supply Relationship Management (3 credit hours) 13 – OPM 7300 - Recent Development in Supply Chain Management (3 credit hours) 14 - SCM 7046 - Sustainable Supply Chain Management (3 credit hours) 15 - SCM 7048 - Advanced Supply Chain Management (3 credit hours) 16A - SCM 7050 - Co-op in Supply Chain Management and Logistics (3 credit hours) OR 16B - SCM 7052 - Applied Project in Supply Chain Management and Logistics (3 credit hours) Master of Supply Chain Management and Logistics students will take either SCM7050 (Co-op Option) or SCM7052 (Applied Project Option). Students will receive individualized mentoring from expert Faculty members within the subject matter (i.e., Department of Supply Chain Management) during their entire Co-op and Applied Project courses. The Co-op work term (SCM 7050) will usually take place following completion of all courses (after 45 credit hours). In exceptional cases and when feasible and approved by the Associate Dean (Professional Programs) and agreed upon by the student (with full understanding of the timing and graduation implications for the student), this requirement may be completed after the student has completed 24 credit hours of courses. Students can apply to the Co-op work term (SCM 7050) at the Asper School of Business Co-operative Education Program's online portal. Entrance into the Co-op stream is competitive and not all applicants are guaranteed to participate. Criteria for admission to the Co-op stream include GPA (minimum 3.0), and evaluation of a written application and interview to ensure applicants possess motivation, communication skills, commitment, and the potential to represent the Asper School of Business in a mature and professional manner. If a Co-op student is unsuccessful in securing a job, the student's contribution to and continuance in the Co-op Program will be discussed on an individual basis between the student and the Co-op Program Director. All courses are required, unless the student is eligible for an exemption as per the exemption

Report of the Faculty Council of the Faculty of Graduate Studies on Course, Program, Supplementary Regulation, and Regulation Changes

Preamble

1. The Faculty of Graduate Studies (FGS) has responsibility for all matters relating to the submission of graduate course, curriculum, program, supplementary regulation and regulation changes. Recommendations for such are submitted by the Faculty Council of Graduate Studies for the approval of Senate.
2. The Faculty Council of Graduate Studies met on the above date to consider a proposal from the Dept. of Biosystems Engineering.

Observations

1. The **Dept. of Biosystems Engineering** proposes a Co-op option (M.Eng.); (1) Course Introduction: ENG 7800; M.Eng. Supplementary Regulation Changes.

The M.Eng. degree offered by the Department of Biosystems Engineering is a course-based degree intended for individuals desiring an advanced degree with an emphasis on the practice of engineering involving biological systems. A minimum of 30 credit hours of coursework must be completed, with at least 18 credit hours taken at the graduate level. The program has sufficient flexibility to allow an individual to tailor the proportion of technical courses to courses developing professional skills. The proposal of a Co-op/IIP is to be considered an option for M.Eng. student. Students must have completed 50% (or 15 credit hours) of the required coursework with a grade of C+ or better in each course prior to the start of the proposed work term. Application to the program will be made in the fall with work terms commencing the following summer. An eligible work term will be defined as full-time paid employment (minimum 35 hours per week) for a minimum of 12 weeks in duration over a four-month period. To be consistent with the existing Co-op/IIP program managed by the Price Faculty of Engineering, work terms may begin in January, May or September. However, it is envisioned that work terms for M.Eng. students accepted into the Biosystems Engineering M.Eng. Co-op/IIP Graduate Option will normally begin in May to coincide with the summer term when few graduate-level courses are scheduled.

Upon securing a placement, students must register for course ENG 7800. Participation in this work term course does not exempt students from any degree requirement. At the completion of the work term, students must submit a written report describing and/or reflecting upon the engineering work experience. Work term reports will be evaluated by the Associate Head (Graduate) or designate. The work term course is valued at zero credit hours and is evaluated as pass/fail.

The proposal was approved by Engineering Faculty Council on May 26, 2023 and by Agricultural & Food Sciences Faculty Council on June 22, 2023.

Course Introductions

ENG 7800 Biosystems M.Eng. Co-op/IIP Work Term

+0

Work term in business, industry or government for Master of Engineering students accepted into the Biosystems Engineering M.Eng. Co-op/IIP Graduate Option. At the conclusion of the four-month work term, students are required to submit a written report describing and/or reflecting upon the engineering work experience. This course is graded on a pass/fail basis.

NET CREDIT HOUR CHANGE

+0

Recommendations

Faculty Council of Graduate Studies recommends THAT the proposal from the unit listed below be approved by Senate:

Dept. of Biosystems Engineering

Respectfully submitted,

Dr. Kelley J. Main, Chair
Faculty Council of Graduate Studies

/ak

Comments of the Senate Executive Committee:
The Senate Executive Committee Endorses the
Report to Senate.



DATE June 26, 2023

TO Dr. Stephen Kirkland, Associate Dean, Faculty of Graduate Studies

FROM Dr. Danny Mann, Professor & Head, Department of Biosystems Engineering

SUBJECT Biosystems Engineering M.Eng. Co-op/IIP Graduate Option Proposal

Attachments: FGS Form: Proposal for Course Introduction (ENG 7800)
Course Outline: ENG 7800 Biosystems Engineering M.Eng. Co-op/IIP Work Term
Letter of Support, Marcia Friesen, Dean, Price Faculty of Engineering
Edited Biosystems Engineering Supplemental Regulations

Program Description

The M.Eng. degree offered by the Department of Biosystems Engineering is a course-based degree intended for individuals desiring an advanced degree with an emphasis on the practice of engineering involving biological systems. A minimum of 30 credit hours of coursework must be completed, with at least 18 credit hours taken at the graduate level. The program has sufficient flexibility to allow an individual to tailor the proportion of technical courses to courses developing professional skills. The M.Eng. program can be completed in 8 months (two academic terms) of full-time study, although most students have required a second year to complete their degree requirements. Applicants must normally have a four-year bachelor's degree in engineering (any discipline) to qualify for the M.Eng. program. The application deadline is January 15 for a Fall Term (September) start. Over the past several years, approximately 25 students have been admitted to the M.Eng. program per year although the pandemic has reduced the number of students who have accepted the offer of admission. Effective the Winter 2023 term, there are 26 students in the M.Eng. program in Biosystems Engineering. Since 2018, there have been a total of 35 students that have successfully completed the M.Eng. program in Biosystems Engineering.

The Department of Biosystems Engineering has decided to introduce a Biosystems Engineering M.Eng. Co-op/IIP Graduate Option for students in the course-based Master of Engineering (M.Eng.) program. This is to be considered an optional stream for M.Eng. students in Biosystems Engineering; it is not viewed as a degree requirement. Students taking this option must complete one four-month work term.

The work term is intended to provide students in the course-based M.Eng. program with an opportunity:

- i) To gain practical engineering experience to complement their academic learning.
- ii) To be exposed to a professional engineering environment.
- iii) To be mentored by practicing professionals.
- iv) To develop skills needed for success in future employment.

Although the department's graduate students formally belong to the Faculty of Agricultural & Food Sciences (our budget Faculty), it is advantageous to work with the Co-operative Education and Industrial Internship Program (Co-op/IIP) office in the Price Faculty of Engineering to administer this Co-op/IIP Graduate Option because the Price Faculty of Engineering's Co-op/IIP office has well-established connections to the Manitoba engineering sector to identify relevant work opportunities (Note: undergraduate Biosystems Engineering students already participate in the Co-op/IIP program administered by the Price Faculty of Engineering's Co-op/IIP office). It is intended that the Biosystems M.Eng. students will be required to complete the same

requirements as undergraduate engineering students admitted to the Co-op/IIP program.

Admission

This proposed Biosystems Engineering M.Eng. Co-op/IIP Graduate Option will be available to students in good standing in the course-based Master of Engineering program in the Department of Biosystems Engineering. Students must have completed 50% (or 15 credit hours) of the required coursework with a grade of C+ or better in each course prior to the start of the proposed work term. Eligibility screening will be completed by the Graduate Program Advisor in the Department of Biosystems Engineering.

Application to the program will be made in the fall with work terms commencing the following summer. Prior to enrolling in a work term, students must participate in career development workshops on interview skills, resume preparation, and cover letter writing. These aspects of the admission process will be administered by Price Faculty of Engineering's Co-op/IIP office. Participation in a work term is dependent upon the student obtaining a job placement.

Work Term

An eligible work term will be defined as full-time paid employment (minimum 35 hours per week) for a minimum of 12 weeks in duration over a four-month period. To be consistent with the existing Co-op/IIP program managed by the Price Faculty of Engineering, work terms may begin in January, May or September. However, it is envisioned that work terms for M.Eng. students accepted into the Biosystems Engineering M.Eng. Co-op/IIP Graduate Option will normally begin in May to coincide with the Summer term when few graduate-level courses are scheduled.

Upon securing a placement, students must register for course ENG 7800. ENG 7800 is classified as an "S" (Standard) as an additional fee accompanies co-op courses. Participation in this work term course does not exempt students from any degree requirement. Additional fees will apply, consistent with University of Manitoba Co-op/IIP fees for other programs.

At the completion of the work term, students must submit a written report describing and/or reflecting upon the engineering work experience. Work term reports will be evaluated by the Associate Head (Graduate) or designate. The work term course is valued at zero credit hours and is evaluated as pass/fail.

Students who successfully complete one work term will have the Co-op/IIP Graduate Option acknowledged on their graduation parchment.

Impact on Time-to-Completion

The M.Eng. program in Biosystems Engineering is structured with a single intake deadline (January 15th) with the expectation that all students would officially start the M.Eng. program in September of the same year. It is possible that a student would complete 15 credit hours of coursework in each the Fall and Winter terms, successfully completing all course requirements within 8 months. In this scenario, a student's completion would be delayed by 4 months if they chose to complete a Co-op/IIP work term during the Summer term (May through August). Historically, few students have managed to successfully complete all 30 credit hours of coursework during the first two academic terms, choosing to finish off their program requirements in a subsequent term. Hypothetically, a student might choose to complete 24 credit hours of coursework within the first two academic terms, complete a Co-op/IIP work term during the Summer term, and then complete the remaining 6 credit hours of coursework during the subsequent Fall term. Because there are few graduate-level courses offered during the Summer term, it is not expected that the introduction of the Co-op/IIP Graduate Option will have a significant effect on time to completion for our M.Eng. students.

Graduate students in the thesis-based M.Sc. and Ph.D. programs are not eligible to participate in the Co-op/IIP Graduate Option.

Resource Requirements

No new resources are required to manage this Co-op/IIP Graduate Option. The Department of Biosystems Engineering has a full-time Graduate Program Advisor who manages many aspects of the M.Eng. program, and who will complete eligibility screening of M.Eng. students interested in participating in the Co-op/I Graduate Option. Furthermore, we are taking advantage of the programs and structure already in place within the Price Faculty of Engineering's Co-op/IIP Office for administration of the Co-op/IIP Graduate Option. This would entail managing approximately 30 additional student files. Work term reports will be evaluated by the department's Associate Head (Graduate).

We do not expect any additional resource requirements. Library resources are not required.

Approvals Obtained

Approval for the Biosystems Engineering M.Eng. Co-op/IIP Graduate Option by the Biosystems Engineering Department Council was obtained on May 10, 2023.

Approval for the introduction of ENG 7800 Biosystems Engineering M.Eng. Co-op/IIP Work Term course by Faculty Council (Price Faculty of Engineering) was obtained on May 26, 2023.

Approval for the Biosystems Engineering M.Eng. Co-op/IIP Graduate Option by the Faculty Council (Faculty of Agricultural & Food Sciences) was obtained on June 22, 2023.



**University
of Manitoba**

Price Faculty of Engineering

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March 20, 2023

Re: Letter of Support for Introduction of Co-op/IIP Option into the Biosystems Engineering Master of Engineering (M.Eng.) Program

The Department of Biosystems Engineering is proposing to introduce a Co-op / Industrial Internship (IIP) option into its M.Eng. program. The Price Faculty of Engineering is pleased to support this proposal.

The M.Eng., relative to the M.Sc., is considered a terminal degree and is nominally directed to individuals who are upgrading or specializing their technical knowledge for a career in engineering practice. A significant proportion of M.Eng. students are new to Canada (international students or other newcomers) with little or no Canadian engineering work experience.

The Co-op/IIP option in the M.Eng. program can serve several important objectives, including Canadian engineering employment experience, building one's professional network outside the University, and developing professional skills for effective engineering practice and further employment. As we know from undergraduate Co-op/IIP options, the experience can serve as a critical bridge from academia to successful career development in engineering practice.

The Department of Biosystems Engineering has developed a thorough and considered proposal which adds the Co-op/IIP option to the existing program requirements, to which students can opt-in. Although the Department of Biosystems Engineering is administratively part of the Faculty of Agricultural & Food Sciences (except for its CEAB-accredited undergraduate degree program), the Price Faculty of Engineering is pleased to support this proposal to the same degree as we would for any of our other Departments. More specifically, our Co-op/IIP office and staff are prepared to include M.Eng. students into their portfolio, and the Centre for Engineering Professional Practice & Engineering Education is prepared to introduce a new course, tentatively ENG 7800, to assign to the Biosystems M.Eng. Co-op Term.

I appreciate the Department's consistent efforts to adapt and create new opportunities for its students. Please do not hesitate to contact me at Marcia.Friesen@UManitoba.ca for further conversation.

Sincerely,

Marcia Friesen, P.Eng., Ph.D.
Dean, Price Faculty of Engineering

FGS Academic Guide Regulation 2023/24	Supplementary Regulation
	remaining 6 credit hours must be at the 3000 level or above from any department.
6.3.2 Course-based, Major Research Paper, Project or Comprehensive Examination Route A minimum of twenty-four (24) credit hours of coursework is required. If the student is in the comprehensive examination route, a comprehensive examination(s) is required. The minimum must include at least eighteen (18) credit hours at the 7000-level or above with the balance of the coursework at the 3000-level or above. A maximum of forty-eight (48) credit hours of coursework is allowed unless a department's/unit's supplementary regulations indicate otherwise. Refer to unit supplementary regulations concerning specific regulations on coursework, major research paper, project and/or comprehensive examination requirements.	Master of Engineering (M.Eng.) The M.Eng. is a course-based degree. A minimum of 30 credit hours of coursework is required. The following conditions must be met: 1. A minimum of 18 credit hours must be taken at the 7000 level. GRAD 7050 M.Eng. Project and Report (6 cr hr) may be used as a substitute for 6 cr hr of 7000 level coursework. The remaining credit hours must be taken at the 3000 level or above. 2. A minimum of 18 credit hours must be taken from any of the engineering departments, including a minimum of 15 credit hours from the Department of Biosystems Engineering. All courses must be approved by the department's appointed M.Eng. advisor. There are no comprehensive exams at the Master's level. <u>Co-op/IIP Option</u> <u>A Co-op/IIP Option is available to students in good standing in the M.Eng. program in the Department of Biosystems Engineering. Students must have completed 50% (or 15 credit hours) of the required coursework with an average GPA of 3.0 with a grade of C+ or better in each course prior to the start of the proposed work term. An eligible work term will be defined as full-time paid employment (minimum 35 hours per week) for a minimum of 12 weeks in duration over a four-month period. Upon securing a placement, students must register for course ENG 7800 Biosystems M.Eng. Co-op/IIP Work Term. Upon completion of the work term, students must submit a written report to the Biosystems Engineering office that will be graded by the Associate Head (Graduate) or designate. ENG 7800 is valued at zero credit hours and is evaluated as pass/fail. Students who successfully complete one work term will have the Co-op/IIP Graduate Option acknowledged on their graduation parchment.</u> <u>In the event that a written report is graded as "fail", the student will be given one month to address the deficiencies in a revised report. If the revised report is still graded as "fail", the student will receive a grade of "fail" for ENG 7800 and will not be eligible to graduate with the Co-op/IIP Graduate Option.</u>

Report of the Senate Committee on Curriculum and Course Changes RE: Major Curriculum Revisions, Department of Biological Sciences, Faculty of Science

Preamble:

1. The [terms of reference](#) for the Senate Committee on Curriculum and Course Changes (SCCCC) are available on the University Governance website. The SCCCC is “to recommend to Senate on the introduction, modification or abolition of undergraduate programs, curricula or courses.”
2. At its meeting on October 26, 2023, the SCCCC considered course and curriculum change proposals from the Department of Biological Sciences, Faculty of Science, including proposals for major modifications to the Bachelor of Science (Honours) in Biological Sciences and Bachelor of Science (Major) in Biological Sciences degree programs.
3. The course changes were endorsed by the Faculty of Science Executive Committee at its meeting on August 24, 2023. Curriculum changes were endorsed by the Faculty Council of the Faculty of Science at its meeting on August 31, 2023.

Observations:

1. The Department of Biological Sciences is proposing the modification of three (3) courses. The overall number of credit hours offered by the Department would not change.
2. The Department is proposing major modifications to the programs listed below, as detailed in the attachment to the Report. Specifically, it is proposing to introduce two optional concentrations that would replace five existing Themes. The proposals respond to recommendations in an academic program review in 2016, to address concerns related to student progression and flexibility in the programs, including a re-examination of the Theme-based program structure.
 - Bachelor of Science (Honours) in Biological Sciences
 - Bachelor of Science (Honours) in Biological Sciences, Co-operative Option
 - Bachelor of Science (Major) in Biological Sciences
 - Bachelor of Science (Major) in Biological Sciences, Co-operative Option
3. Among the various modifications that are proposed, the Department is proposing to introduce two concentrations, for both the Honours and Major programs:

- Ecology and Evolutionary Biology Concentration
- Molecular, Cellular, and Systems Biology Concentration

The Department is also proposing the closure of the five existing Themes, for both the Honours and Major programs:

- Cell, Molecular and Developmental Biology Theme
- Ecology and Environmental Biology Theme
- Environmental and Integrative Physiology Theme
- Evolution and Biodiversity Theme
- Integrative Biology Theme

4. Under the modified curriculum, students would enter either the B.Sc.(Maj.) in Biological Sciences or the B.Sc.(Hons.) in Biological Sciences program. Students wanting to focus their studies in a particular discipline would have the option to complete their degree with

one of the two proposed concentrations. The design of the modified programs would make it feasible for students who had declared a concentration to revert to, and graduate with, a B.Sc.(Maj.) or B.Sc.(Hons.) in Biological Sciences with no concentration, including to address situations where students might encounter a barricade to progression.

5. The course requirements for the concentrations include courses required for the degree plus additional courses that provide focus in the concentration subdiscipline, including a requirement for 12 credit hours of 3000- and 4000- level subdiscipline-specific courses. The requirements would be more flexible than those for the Themes, with fewer specific course requirements and increased flexibility in course choices. They are expected to reduce the number of barriers that students face, including courses with long wait lists.
6. Those students who intend to declare a concentration would be encouraged to do so prior to registering for Year 2. The curriculum for Year 2 includes a requirement for students to complete one of BIOL 2300 Principles of Ecology or BIOL 2390 Introductory Ecology. While either of these courses could be completed toward the Molecular, Cellular, and Systems Biology Concentration, only BIOL 2300 can be completed toward the Ecology and Evolutionary Biology Concentration, as it is a prerequisite to many of the 3000- and 4000- level discipline-specific courses for the Concentration.
7. The Department has developed a transition plan, as detailed in the proposal. Continuing students who have declared a B.Sc.(Maj.) or B.Sc.(Hons.) in Biological Sciences with one of the five Themes would complete their program but with the flexibility to follow course substitutions described in the transition plan. Continuing students would have until August 31, 2024, to declare one of the existing Themes.
8. No additional resources would be required, as the proposed concentrations would make use of existing courses. Additionally, there would be minimal impact on faculty members' workloads. The department anticipates there would be a need for additional student advising in advance of the implementation of the proposed program modifications.
9. The University of Manitoba Libraries indicated it can continue to support the curriculum.
10. The Department provided the SCCCC with the results of consultations carried out with other departments and faculties that offer courses to be used in the modified degree programs, as required and elective courses, and with the Université de Saint-Boniface, which offers equivalent courses for which students can receive transfer credit.
11. Responding to a question raised at the meeting, Faculty representatives indicated the Department is continuing to consider how it will introduce Indigenous ways of knowing into its curriculum. The Committee suggested it would be ideal to include an Indigenous content course in the core degree requirements, in addition to adding content to other courses. An observation was made that there should be opportunities to include Indigenous ways of knowing in ecology courses, particularly.

Recommendation:

The Senate Committee on Curriculum and Course Changes recommends:

THAT Senate approve curriculum and course changes proposed by the Department of Biological Sciences, Faculty of Science, effective for the 2024 Fall Term.

Respectfully submitted,

Professor Dean McNeill, Chair

Senate Committee on Curriculum and Course Changes

Comments of the Senate Executive Committee:
The Senate Executive Committee Endorses the Report to Senate.

Course Changes

Modifications:

BIOL 3270 Introductory Parasitology 3 cr 0.0

(Lab required) Parasitism is one of the most common lifestyles on Earth and has significant effects on health, economics, politics, and the environment. This course focuses mainly on animal parasites and introduces their basic biology (taxonomy, morphology, life cycles) and the consequences of infection to their hosts (pathology, symptoms, epidemiology). Basic concepts of parasitology will be emphasized from ecological, evolutionary, physiological, immunological and biochemical perspectives. The lab provides hands-on experience with parasitological techniques such as necropsy, microscopy, and identification. Prerequisite: BIOL 2200 or BIOL 2201; or consent of department.

BIOL 3300 Evolutionary Biology 3 cr 0.0

(Lab required) Evolution is the ultimate cause of biological diversity. This course introduces the major questions and research methods in evolutionary biology. Topics include evolutionary genetics, adaptation, speciation, and the reconstruction of evolutionary history. May not be held with BIOL 3301. Prerequisites: one of BIOL 2500, BIOL 2501, or PLNT 2520; and any one of the following: BIOL 2200, BIOL 2201, BIOL 2210, BIOL 2231, BIOL 2240, BIOL 2242, BIOL 2260, BIOL 2261, BIOL 2262, the former BIOL 3260; or consent of department.

BIOL 3600 Biological Diversity and Sustainability 3 cr 0.0

Anthropogenic drivers of change of many components of biological diversity; the resulting impacts on ecosystem capacity to provide on-going goods and services that are essential constituents of well-being and ultimately sustainability. Prerequisites: [(one of BIOL 2300, BIOL 2301, AGE 2370) or ((BIOL 1030 or BIOL 1031) and BIOL 2390)] and [one of STAT 1000, STAT 1001, or STAT 1150].

NET CHANGE IN CREDIT HOURS: 0.0

Program Redesign – Executive Summary

Background

An external review of the Department of Biological Sciences undergraduate programs was conducted in 2016. Several recommendations were made in that report to address concerns around student progression and flexibility within our programs, including the re-examination of our Theme-based program structure.

Currently, when students declare themselves as a student of the biological sciences, they must choose one of five Theme areas (**Table 1**). Each Theme includes a list of common core courses, plus additional Theme-specific course requirements. Students are free to select between 24 and 30 credit hours (depending on Theme requirements) of BIOL numbered courses at the third- and fourth-year levels.

Table 1. Current Teaching Themes in the Department of Biological Sciences. Options within each Theme include a Major or an Honours degree, each with a Co-op option.

Cellular, Molecular, and Developmental Biology Theme	Majors	Co-op option
	Honours	
Ecology and Environmental Biology Theme	Majors	Co-op option
	Honours	
Environmental and Integrative Physiology Theme	Majors	Co-op option
	Honours	
Evolution and Biodiversity Theme	Majors	Co-op option
	Honours	
Integrative Biology Theme	Majors	Co-op option
	Honours	

Many students in these Theme areas are facing obstacles to their progression and meeting degree requirements to graduate in a timely manner. Most of our courses have significant wait lists including all our core courses. In some cases, the waitlist has more students than the full section and students can be repeatedly wait listed for several years.

When a barrier to progression is encountered, it often requires several advisors in the Department and Faculty offices working to find alternative solutions. Transferring to another Theme area mid-degree is rarely a viable option as new barriers (Theme-specific requirements) would be encountered. More commonly, we are substituting courses from other units within the University of Manitoba or from other institutions to fulfill degree requirements diluting the purpose and intent of our own program in the process.

Proposed Program Modifications

To address the issues above, the Department of Biological Sciences is proposing a change in our existing program. In brief, the five Themes in Table 1 are being closed and replaced by a single B.Sc. Biological Sciences Major/Honours program (including a Co-op option) outlined in **Table 2**. Students entering the Department of Biological Sciences will, by default, join this program.

Table 2. Proposed BIOL course requirements for the B.Sc. Biological Sciences Major/Honours.

BIOL 1020	Biology 1: Principles and Themes
BIOL 1030	Biology 2: Biological Diversity, Function and Interactions
CHEM 1100	Introductory Chemistry 1: Atomic and Molecular Structure and Energetics
CHEM 1120	Introduction to Chemistry Techniques

STAT 1150 or STAT 1000	Introduction to Statistics and Computing or Basic Statistical Analysis 1
2 of: MATH 1240 MATH 1300 MATH 1500 MATH 1700 PHYS 1020 or PHYS 1050	Elementary Discrete Mathematics Vector Geometry and Linear Algebra Introduction to Calculus Calculus 2 General Physics 1 or Physics 1: Mechanics
BIOL 2300 or BIOL 2390	Principles of Ecology or Introductory Ecology
BIOL 2500	Genetics 1
BIOL 2520	Cell Biology
BIOL 3300	Evolutionary Biology
1 of: BIOL 2200 BIOL 2210 BIOL 2240 BIOL 2242	The Invertebrates The Chordates The Non-Flowering Plants The Flowering Plants
2 additional of: BIOL 2200 BIOL 2210 BIOL 2240 BIOL 2242 BIOL 2260 BIOL 2262 BIOL 2420 BIOL 2600	The Invertebrates The Chordates The Non-Flowering Plants The Flowering Plants Biology of Fungi and Lichens Biology of Algae Human Physiology 2 Introduction to Computational Biology
BIOL 3100	Skills in Biological Sciences (if Honours selected)
BIOL 4100	Honours Thesis (if Honours selected)
33 CH of BIOL 3XXX/4XXX	Including 15 CH with laboratory/field component from this list BIOL 3242, 3250, 3270, 3310, 3312, 3314, 3350, 3370, 3372, 3400, 3452, 3470, 3472, 3500, 3550, 3560, 4210, 4212, 4214, 4216, 4218, 4262, 4310, 4314, 4362, 4380, 4510, 4540, 4544, 4554, 4556, 4560

We believe that these changes will increase flexibility and improve student progression. For example, the requirements for the second-year organismal courses (BIOL 2200, 2210, 2240, 2242, 2260, and 2262) have been made more flexible to reduce demand on any single course, allowing some Biological Sciences majors/honours students to take BIOL 2390 as their required ecology course reducing demand for another bottleneck in BIOL 2300. There are no financial requirements at the department level to implement the proposed changes, however, we do recognise an increase in student advising will be required in advance of the program changes being adopted.

Should a student want to specialize in a particular discipline within the biological sciences, they may opt to select one of two concentrations, Ecology & Evolutionary Biology or Molecular, Cellular, & Systems Biology. These concentrations include the required courses outlined in Table 2 as well as additional discipline-specific requirements (**Table 3** and **Table 4** respectively). The additional requirements centre around the inclusion of discipline-specific courses that the department offers. The new program allows students who have declared a concentration and encounter a barricade to progression can easily revert to the B.Sc. Biological Sciences degree with no concentration.

Table 3. Additional course requirements for the four-year Major/Honours in the Ecology & Evolutionary Biology concentration.

BIOL 2300	Principles of Ecology
STAT 2150 or STAT 2000	Statistics and Computing Basic Statistical Analysis 2
1 of: BIOL 3310 BIOL 3312	Population Ecology Community Ecology
Of the 30 CH of BIOL 3XXX/4XXX	Including 12 CH of discipline-specific courses from this list BIOL 3200, 3242, 3250, 3270, 3280, 3290, 3310, 3312, 3314, 3318, 3340, 3350, 3360, 3370, 3372, 4210, 4212, 4214, 4216, 4218, 4220, 4262, 4300, 4310, 4312, 4314, 4330, 4362, 4374, 4380

Table 4. Additional course requirements for the four-year Major/Honours in the Molecular, Cellular, and Systems Biology concentration.

CHEM 1110	Introductory Chemistry 2: Interaction, Reactivity, and Chemical Properties
Either: CHEM/MBIO 2700 CHEM/MBIO 2710 CHEM 2720 CHEM 2100 or CHEM/MBIO 2730/ CHEM/MBIO 2750/ CHEM 2740	Biochemistry 1: Biomolecules & an Introduction to Metabolic Energy Biochemistry 2: Catabolism, Synthesis, and Information Pathways Principles and Practices of the Modern Biochemistry Laboratory Organic Chemistry 1: Foundations of Organic Chemistry Elements of Biochemistry 1 Elements of Biochemistry 2 Introduction to the Biochemistry Laboratory
Of the 33 CH of BIOL 3XXX/4XXX	Including 12 CH of discipline-specific courses from this list BIOL 3400, 3452, 3470, 3472, 3500, 3542, 3550, 3560, 4400, 4460, 4470, 4480, 4500, 4510, 4540, 4542, 4544, 4554, 4556, 4560

Because the choice of taking BIOL 2300 or BIOL 2390 has prerequisite implications on choosing the Ecology & Evolutionary Biology concentration, students entering the Department of Biological Sciences will be encouraged to choose which concentration they are interested in (if either) before they register for second-year courses. The options and proper course selections will be advertised on the Departmental website, by the instructors of BIOL 1030, and in an email sent by our office prior to registration after completing BIOL 1030.

The program modifications include the requirement in the Major and Honours degree to include at least 6 credit hours of the 3000 or 4000 Biological Sciences courses to be at the 4000 level. The department has also looked at courses offered by other units that might be of interest to Biological Sciences Major and Honours students and will allow students to select up to 6 credit hours of courses from a list of courses to count towards their 3000 or 4000 level Biological Sciences course requirements.

Note that the Departmental Council of the Department of Biological Sciences unanimously approved the proposed program changes on October 21, 2022.

Transition Plan

The proposed changes are anticipated to be in effect as of Fall 2024. The last day to declare an existing program will be August 31, 2024. The transition into the new program should be relatively straightforward. New students joining a program in Biological Sciences will enter the B.Sc. Major or Honours program in Biological Sciences, and they will have the option to choose one of the new concentrations, specifically Molecular, Cellular, and Systems Biology, or Ecology & Evolutionary Biology. Students already declared in the B.Sc. Major or Honours program in any of the five Themes will remain in their existing program rather than transferring to the revised program but offered the flexibility of the new program using any of the accommodations outlined in **Table 6**.

Table 6. Students declared in a B.Sc. Major or Honours program prior to Fall 2024 will be offered the following accommodations to eliminate barriers to progression.

	Old Requirements	New Accommodations
Cellular, Molecular, and Developmental Biology Theme	- One of BIOL 2200 or 2210; one of BIOL 2240 or 2242; and one additional of BIOL 2200, 2210, 2240, 2242, 2260, 2262, 2420, 2600, or CHEM 2100 - BIOL 2300 1 of BIOL 3400, 3450, 3470, 3472 - BIOL 3542	- One of BIOL 2200, 2210, 2240, or 2242 plus two additional of BIOL 2200, 2210, 2240, 2242, 2260, 2262, 2420, 2600, or CHEM 2100 - BIOL 2390 - Any BIOL 3XXX/4XXX course with laboratory or field component - Any BIOL 3XXX/4XXX course
Ecology and Environmental Biology Theme	- One of BIOL 2200 or 2210; one of BIOL 2240 or 2242; and one additional of BIOL 2200, 2210, 2240, 2242, 2260, 2262, or 2600 - Both BIOL 3310 and 3312 1 of BIOL 3400, 3450, 3470, 3472	- One of BIOL 2200, 2210, 2240, or 2242 plus two additional of BIOL 2200, 2210, 2240, 2242, 2260, 2262, or 2600 - Either BIOL 3310 or 3312 plus any BIOL 3XXX/4XXX course with laboratory or field component - Any BIOL 3XXX/4XXX course with laboratory or field component
Environmental and Integrative Physiology Theme	- One of BIOL 2200 or 2210; one of BIOL 2240 or 2242; and one additional of BIOL 2200, 2210, 2240, 2242, 2260, 2262, 2420, or 2600 - BIOL 2300 3 of BIOL 3400, 3450, 3470, 3472	- One of BIOL 2200, 2210, 2240, or 2242 plus two additional of BIOL 2200, 2210, 2240, 2242, 2260, 2262, 2420, 2600, or CHEM 2100 - BIOL 2390 - Any BIOL 3XXX/4XXX course with laboratory or field component for each unfilled requirement

Evolution and Biodiversity Theme	• One of BIOL 2200 or 2210; one of BIOL 2240 or 2242; and one additional of BIOL 2200, 2210, 2240, 2242, 2260, 2262 • 1 of BIOL 3400, 3450, 3470, 3472 • Evolutionary Process Course • Biodiversity Course List	• One of BIOL 2200, 2210, 2240, or 2242 plus two additional of BIOL 2200, 2210, 2240, 2242, 2260, 2262, or 2600 • Any BIOL 3XXX/4XXX course with laboratory or field component • Any BIOL 3XXX/4XXX course with laboratory or field component • Any BIOL 3XXX/4XXX course
Integrative Biology Theme	• Three of BIOL 2200, 2210, BIOL 2240, or 2242 and one additional of 2200, 2210, 2240, 2242, 2260, 2262, 2420, or 2600 • BIOL 2300 • 1 of BIOL 3400, 3450, 3470, 3472	• One of BIOL 2200, 2210, 2240, or 2242 plus two additional of BIOL 2200, 2210, 2240, 2242, 2260, 2262, 2420, 2600, or CHEM 2100 • BIOL 2390 • Any BIOL 3XXX/4XXX course with laboratory or field component

Proposed Biological Sciences Calendar Entry

Overview

Biological Sciences

Biology is one of the most rapidly evolving and diverse sciences in the modern world, exploring all aspects of life from biomolecules to ecosystems. The Department of Biological Sciences is committed to advancing our understanding of biological structure and function at all levels of biological organization, developing new tools and technologies to address current and emerging problems facing all living organisms. Undergraduate students through the course of their program will forge connections between molecules, cells, tissues, organs, organisms, populations, communities, and ecosystems, highlighting the need to explore all levels of biological interactions. Programs emphasize the organism as the key element in studies of the development and evolution of form and function and the role in adaptations to the environment. Based on a core of fundamental biological principles, our programs explore diverse areas such as organismal biology, environmental biology, genetics, cell biology and development, physiology, ecology, behaviour, and systematics and evolution. The Department focuses on the integration of research and teaching expertise to create opportunities for growth and novel synergisms in the training of future leaders in the field.

Areas of Study in the Biological Sciences

Biology

The B.Sc. Biological Sciences degree will be of interest to students who aspire for an undergraduate degree that has breadth within the life sciences. This program will provide the academic foundation for students who are interested in a broad background in the life sciences. The B.Sc. Biological Sciences degree is structured to facilitate the study of a broad range of disciplines, including molecular biology, morphology, genetics, cell biology, biodiversity, evolution, physiology, and much more. The organisms under study in this theme are equally diverse, ranging from microbes to invertebrates, vertebrates, plants, and fungi. This program allows students to develop a highly flexible course portfolio and may include courses from a variety of life sciences departments. When declaring a Majors or Honours degree in the biological sciences, students will enter the B.Sc. Biological Sciences program. Students in this program have the option to select one of two concentrations: Molecular, Cellular, and Systems Biology or Ecology and Evolutionary Biology.

Molecular, Cellular, and Systems Biology Concentration

By selecting a concentration in Molecular, Cellular, and Systems Biology students will develop a knowledge and understanding of the molecular, cellular and physiological mechanisms that underpin how organisms function and respond to a changing environment. By focusing on courses in cell and systems biology, students will learn the fundamental principles and important advances in a rapidly growing area of biology. Students can concentrate on molecular structures and processes of cellular life or choose to study higher levels of biological organization, learning how cellular and physiological systems integrate to shape whole organism responses to environmental challenges in a changing world. Students will be exposed to modern research techniques in lab classes and will be taught by instructors and faculty with active research programs employing cutting-edge research principles and practices within the Department of Biological Sciences.

Ecology and Evolutionary Biology Concentration

Ecology is the study of interactions between organisms and their environment, both in natural settings and human-influenced habitats. These interactions may apply pressures that influence the natural selection of character traits, ultimately driving evolution, a concept that is a unifying framework for biology. As a result, evolutionary principles permeate research and teaching at all levels of biological organization. In our society, ecology and evolutionary biology provide scientific links to the living world, theorizing why it is shaped the way it is today. Ecologists study interactions among all organisms from the microscopic to the global scale, integrating the impact of environmental factors on the interactions between individuals, populations, communities, and ecosystems, linking these to survival, reproduction, and natural selection within variable environments. Principles of evolution are required to understand a wide range of practical applications including, the evolution of pathogens such as coronaviruses and avian influenza, the domestication of wild species and consequences of genetic modifications, the identification of natural products, long-term responses to environmental change, and human biology. Students in this concentration will be taught by instructors and active researchers and be exposed to important principles and modern research techniques to explore the intricate relationships within a diverse range of ecosystems across the globe.

Biological Sciences, B.Sc. Honours

Overview

Biological Sciences Honours Entrance, Continuation, and Graduation Requirements

The Honours program is recommended for students planning a professional career in Biological Sciences at the graduate level. Such students are strongly advised to enter the Honours program at the beginning of second year.

To enter the Biological Sciences Honours program a student must have completed at least 24 credit hours with a minimum DGPA of 3.00, and obtained a minimum grade of "B" in BIOL 1030. CHEM 1100, CHEM 1110 (if required for the concentration), CHEM 1120, STAT 1150 or STAT 1000, and the 6 credit hours of specified Mathematics or Physics courses are program requirements and students are strongly encouraged to complete these courses by the end of their second year.

To continue in the Biological Sciences Honours program, students must maintain a minimum DGPA of 3.00, and complete a minimum of 9 credit hours during each Fall and Winter Term.

To graduate with the B.Sc. Honours degree, a student must achieve a minimum DGPA of 3.00, and obtain a minimum grade of "C" on the courses that make up the 120 credit hours of the degree.

Honours Co-operative Option

A co-operative education option is available for Honours students. Students should refer to the Co-operative Education section for further information on the Co-op programs.

The course, grade requirements and minimum DGPA requirement for entry and continuation in the Co-operative Option are the same as that for the regular Honours program.

Before starting the first co-op work term, the following courses must be completed:

Course	Title	Hours
<u>BIOL 1020</u>	Biology 1: Principles and Themes	3
<u>BIOL 1030</u>	Biology 2: Biological Diversity, Function and Interactions	3
<u>CHEM 1100</u>	Introductory Chemistry 1: Atomic and Molecular Structure and Energetics	3
<u>CHEM 1120</u>	Introduction to Chemistry Techniques	3
<u>STAT 1150</u>	Introduction to Statistics and Computing	3
or <u>STAT 1000</u>	Basic Statistical Analysis 1	
6 credit hours of specified Mathematics or Physics		6
<u>BIOL 2300</u>	Principles of Ecology	3
or <u>BIOL 2390</u>	Introductory Ecology	
<u>BIOL 2500</u>	Genetics 1	3
<u>BIOL 2520</u>	Cell Biology	3
<u>BIOL 3100</u>	Skills in Biological Sciences	3
In addition, students must complete 9-12 credit hours from program courses as outlined in the specific program grids.		9-12

Degree Requirements

On This Page

- Honours: Biological Sciences (Including Co-operative Option)
- Honours: Molecular, Cellular, and Systems Biology (Including Co-operative Option)
- Honours: Ecology and Evolutionary Biology (Including Co-operative Option)

Honours: Biological Sciences

Important Note ¹

Year 1		Hours
BIOL 1020	Biology 1: Principles and Themes	3
BIOL 1030	Biology 2: Biological Diversity, Function and Interactions (B)	3
CHEM 1100	Introductory Chemistry 1: Atomic and Molecular Structure and Energetics ²	3
CHEM 1120	Introduction to Chemistry Techniques ²	3
STAT 1150	Introduction to Statistics and Computing ³	3
or STAT 1000	Basic Statistical Analysis 1	
Hours		15
Years 1-2		
6 credit hours of Mathematics/Physics from:		6
MATH 1240	Elementary Discrete Mathematics ⁴	
MATH 1300	Vector Geometry and Linear Algebra ⁴	
MATH 1500	Introduction to Calculus ⁴	
MATH 1700	Calculus 2 ⁴	
PHYS 1020	General Physics 1	
or PHYS 1050	Physics 1: Mechanics	
6 credit hours from the Faculty of Arts including a required "W" course		6
15 credit hours of electives		15
Hours		27

Year 2

BIOL 2300	Principles of Ecology	3
or BIOL 2390	Introductory Ecology ⁵	
BIOL 2500	Genetics 1	3
BIOL 2520	Cell Biology	3
One of: ⁶		3
BIOL 2200	The Invertebrates	
BIOL 2210	The Chordates	
BIOL 2240	The Non-Flowering Plants	
BIOL 2242	The Flowering Plants	
Two additional of: ⁶		6
BIOL 2200	The Invertebrates	
BIOL 2210	The Chordates	
BIOL 2240	The Non-Flowering Plants	
BIOL 2242	The Flowering Plants	
BIOL 2260	Biology of Fungi and Lichens	
BIOL 2262	Biology of Algae	
BIOL 2420	Human Physiology 2 ⁷	
BIOL 2600	Introduction to Computational Biology	
Hours		18

Years 3-4

BIOL 3100	Skills in Biological Sciences	3
BIOL 3300	Evolutionary Biology	3
BIOL 4100	Honours Thesis	6
33 credit hours* of 3000 or 4000 biological sciences courses including:		33

- 15 credit hours from List A
- at least 6 credit hours at the 4000 level

*In addition to the above requirements, students must complete the balance of credit hours by taking any 3000 or 4000 level BIOL courses, or up to 6 credit hours from List B.

15 credit hours of electives	15
Hours	60

Co-op Requirements (if selected):

SCI 3980	Co-operative Education Work Term 1	0
SCI 3990	Co-operative Education Work Term 2	0
SCI 4980	Co-operative Education Work Term 1	0
SCI 4990	Co-operative Education Work Term 2 (if 4 th term selected)	0

¹ The program need not be completed in the manner prescribed in the grid above. The grid indicates one possible arrangement of the 120 credit hours that make up the degree and is meant to be a guide around which students can plan their program with a view to satisfying the prerequisites of the required courses. These 120 credit hours are a combination of the courses outlined in the grid above and elective courses chosen by the student in consultation with the program advisors.

² The former CHEM 1300 may be used in place of CHEM 1100 and the former CHEM 1310 may be used in place of CHEM 1110 and CHEM 1120. CHEM 1122 and CHEM 1126 may be used in place of CHEM 1120. CHEM 1122 and CHEM 1126 are restricted to Price Faculty of Engineering students.

- ³ STAT 1150 is recommended over STAT 1000.
- ⁴ Students are strongly recommended to complete the Mathematics/Physics requirements before the end of their second year.
- MATH 1200 may be used in place of MATH 1240;
 - MATH 1210, MATH 1220 or MATH 1310 may be taken in place of MATH 1300;
 - MATH 1230, MATH 1510, MATH 1524, or the former MATH 1520 may be taken in place of MATH 1500;
 - MATH 1232 or MATH 1710 may be taken in place of MATH 1700.
- ⁵ If a student is considering selecting the Ecology and Evolutionary Biology Concentration or taking advanced level ecology courses, they should select BIOL 2300. BIOL 2390 cannot be used in place of BIOL 2300 for prerequisite purposes. Selecting BIOL 2390 will limit the number of 3000 and 4000 level BIOL courses a student can take.
- ⁶ These courses serve as prerequisites for many upper level BIOL courses. Students are strongly advised to plan ahead when selecting from this list. If more than 9 credit hours are taken, the extra credit hours will count as electives.
- ⁷ BIOL 2410 is prerequisite to BIOL 2420. BIOL 2410 can be used as an elective.

List A – Biological Sciences courses with laboratory or field components.

BIOL 3242	Vascular Flora of Manitoba
BIOL 3250	Lichens and Bryophytes
BIOL 3270	Introductory Parasitology
BIOL 3310	Foundations of Population Ecology
BIOL 3312	Community Ecology
BIOL 3314	Field Ecology
BIOL 3350	Data Analysis in Ecology
BIOL 3370	Limnology
BIOL 3372	Wetland Ecology
BIOL 3400	Plant Physiology
BIOL 3452	Environmental Plant Physiology
BIOL 3470	Environmental Physiology of Animals 1
BIOL 3472	Environmental Physiology of Animals 2
BIOL 3500	Genetics 2
BIOL 3550	Plant Anatomy
BIOL 3560	Comparative Animal Histology
BIOL 4210	Biology of Fishes
BIOL 4212	Systematics and Biogeography of Fishes
BIOL 4214	Biology of Amphibians and Reptiles
BIOL 4216	Biology of Birds
BIOL 4218	Biology of Mammals
BIOL 4262	Wildlife and Fisheries Parasitology
BIOL 4310	Applications of Population Ecology in Fisheries and Wildlife
BIOL 4314	Arctic Field Ecology

BIOL 4362	Behavioural Ecology and Cognitive Ethology
BIOL 4380	Environmental Toxicology
BIOL 4510	Evolutionary Genetics
BIOL 4540	Developmental Molecular Biology
BIOL 4544	Advanced Developmental and Cellular Biology
BIOL 4554	Molecular Biology Techniques for Eukaryotes - DNA
BIOL 4556	Molecular Biology Techniques for Eukaryotes - RNA
BIOL 4560	Microtechnique

List B – Acceptable courses for 3000 or 4000 level credit from other units

ANSC 3500	Principles of Animal Genetics
ANSC 4410	Grassland Agriculture: Plant, Animal and Environment
BGEN 3022	Introduction to Human Genetics A
BGEN 3024	Introduction to Human Genetics B
CHEM 4360	Signalling and Regulation of Gene Expression
CHEM 4620	Biochemistry of Nucleic Acids
CHEM 4630	Biochemistry of Proteins
CHEM 4670	Drug Design and Drug Discovery
ENTM 3160	Veterinary and Wildlife Entomology
ENTM 3162	Manitoba's Insect Fauna
ENTM 3170	Crop Protection Entomology
ENTM 3180	Field Techniques in Entomology
ENTM 3190	Introduction to Applied Entomology
ENTM 4280	Aquatic Entomology
ENTM 4320	Pollination Biology
ENTM 4500	Insect Taxonomy and Morphology
ENTM 4520	Physiological Ecology of Insects
GEOL 3310	Paleontology
MBIO 3000	Applied Biological Safety
MBIO 3010	Mechanisms of Microbial Disease
MBIO 3282	Microbial Communities
MBIO 3410	Molecular Biology
MBIO 3430	Molecular Evolution
MBIO 3450	Regulation of Biochemical Processes
MBIO 3460	Membrane and Cellular Biochemistry
MBIO 4020	Immunology
MBIO 4602	Molecular Genetics of Prokaryotes - Lectures
MBIO 4612	Molecular Genetics of Eukaryotes - Lectures
MBIO 4672	Applied Molecular Biology
PHAC 3000	Foundations of Pharmacology
PHAC 4030	Drugs in Human Disease I
PHAC 4040	Drugs in Human Disease II
PLNT 3520	Principles of Plant Improvement
PLNT 3570	Fundamentals of Plant Pathology
PLNT 4330	Intermediate Plant Genetics
PLNT 4410	Grassland Agriculture: Plant, Animal and Environment

Honours: Molecular, Cellular, and Systems Biology Concentration

Important Note ¹

Year 1		Hours
BIOL 1020	Biology 1: Principles and Themes	3
BIOL 1030	Biology 2: Biological Diversity, Function and Interactions (B)	3
CHEM 1100	Introductory Chemistry 1: Atomic and Molecular Structure and Energetics ²	3
CHEM 1110	Introductory Chemistry 2: Interaction, Reactivity, and Chemical Properties ²	3
CHEM 1120	Introduction to Chemistry Techniques ²	3
STAT 1150	Introduction to Statistics and Computing ³	3
or STAT 1000	Basic Statistical Analysis 1	
Hours		18
Years 1-2		
6 credit hours of Mathematics/Physics from:		6
MATH 1240	Elementary Discrete Mathematics ⁴	
MATH 1300	Vector Geometry and Linear Algebra ⁴	
MATH 1500	Introduction to Calculus ⁴	
MATH 1700	Calculus 2 ⁴	
PHYS 1020	General Physics 1	
or PHYS 1050	Physics 1: Mechanics	
6 credit hours from the Faculty of Arts including a required "W" course		6
3 credit hours of electives		3
Hours		15
Year 2		
BIOL 2300	Principles of Ecology	3
or BIOL 2390	Introductory Ecology ⁵	
BIOL 2500	Genetics 1	3
BIOL 2520	Cell Biology	3
One of: ⁶		3
BIOL 2200	The Invertebrates	
BIOL 2210	The Chordates	
BIOL 2240	The Non-Flowering Plants	
BIOL 2242	The Flowering Plants	
Two additional of: ⁶		6
BIOL 2200	The Invertebrates	
BIOL 2210	The Chordates	
BIOL 2240	The Non-Flowering Plants	
BIOL 2242	The Flowering Plants	
BIOL 2260	Biology of Fungi and Lichens	
BIOL 2262	Biology of Algae	
BIOL 2420	Human Physiology 2 ⁷	
BIOL 2600	Introduction to Computational Biology	
CHEM 2100	Organic Chemistry 1: Foundations of Organic Chemistry ⁸	
Select Group A or Group B:		9
Group A: ⁸		
CHEM/MBIO 2700	Biochemistry 1: Biomolecules and an Introduction to Metabolic Energy	
CHEM/MBIO 2710	Biochemistry 2: Catabolism, Synthesis, and Information Pathways	
CHEM 2720	Principles and Practices of the Modern Biochemistry Laboratory	
Group B: ⁸		
CHEM/MBIO 2730	Elements of Biochemistry 1	

CHEM/MBIO 2750	Elements of Biochemistry 2	
CHEM 2740	Introduction to the Biochemistry Laboratory	
	Hours	27
Years 3-4		
BIOL 3100	Skills in Biological Sciences	3
BIOL 3300	Evolutionary Biology	3
BIOL 4100	Honours Thesis	6
33 credit hours*	of 3000 or 4000 biological sciences courses including:	33
• 15 credit hours from List A • 12 credit hours from List C • at least 6 credit hours at the 4000 level		
*Where a completed course appears on both List A and List C, the course will count toward the first two requirements listed above.		
*In addition to the above requirements, students must complete the balance of credit hours by taking any 3000 or 4000 level BIOL courses, or up to 6 credit hours from List B.		
15 credit hours of electives		15
	Hours	60
Co-op Requirements (if selected):		
SCI 3980	Co-operative Education Work Term 1	0
SCI 3990	Co-operative Education Work Term 2	0
SCI 4980	Co-operative Education Work Term 1	0
SCI 4990	Co-operative Education Work Term 2 (if 4 th term selected)	0

¹ The program need not be completed in the manner prescribed in the grid above. The grid indicates one possible arrangement of the 120 credit hours that make up the degree and is meant to be a guide around which students can plan their program with a view to satisfying the prerequisites of the required courses. These 120 credit hours are a combination of the courses outlined in the grid above and elective courses chosen by the student in consultation with the program advisors.

² The former CHEM 1300 may be used in place of CHEM 1100 and the former CHEM 1310 may be used in place of CHEM 1110 and CHEM 1120. CHEM 1122 and CHEM 1126 may be used in place of CHEM 1120. CHEM 1122 and CHEM 1126 are restricted to Price Faculty of Engineering students.

³ STAT 1150 is recommended over STAT 1000.

⁴ Students are strongly recommended to complete the Mathematics/Physics requirements before the end of their second year.

- MATH 1200 may be used in place of MATH 1240;
- MATH 1210, MATH 1220 or MATH 1310 may be taken in place of MATH 1300;
- MATH 1230, MATH 1510, MATH 1524, or the former MATH 1520 may be taken in place of MATH 1500;
- MATH 1232 or MATH 1710 may be taken in place of MATH 1700.

- ⁵ BIOL 2390 cannot be used in place of BIOL 2300 for prerequisite purposes. Selecting BIOL 2390 will limit the number of 3000 and 4000 level BIOL courses a student can take.
- ⁶ These courses serve as prerequisites for many upper-level BIOL courses. Students are strongly advised to plan ahead when selecting from this list. If more than 9 credit hours are taken, the extra credit hours will count as electives.
- ⁷ BIOL 2410 is prerequisite to BIOL 2420. BIOL 2410 can be used as an elective.
- ⁸ Students are strongly recommended to complete their biochemistry requirements in their second year. The former CHEM 2360 (MBIO 2360) may be used in place of CHEM 2700 (MBIO 2700), and the former CHEM 2370 (MBIO 2370) may be used in place of CHEM 2710 (MBIO 2710) and CHEM 2720. The former CHEM 2770 (MBIO 2770) may be used in place of CHEM 2730 (MBIO 2730), and the former CHEM 2780 (MBIO 2780) may be used in place of CHEM 2740 and CHEM 2750 (MBIO 2750). If the choice of biochemistry courses includes the requirement of CHEM 2100, CHEM 2100 can be used as the additional course listed above. The former CHEM 2210 may be used in place of CHEM 2100.

List A – Biological Sciences courses with laboratory or field components.

BIOL 3242	Vascular Flora of Manitoba
BIOL 3250	Lichens and Bryophytes
BIOL 3270	Introductory Parasitology
BIOL 3310	Foundations of Population Ecology
BIOL 3312	Community Ecology
BIOL 3314	Field Ecology
BIOL 3350	Data Analysis in Ecology
BIOL 3370	Limnology
BIOL 3372	Wetland Ecology
BIOL 3400	Plant Physiology
BIOL 3452	Environmental Plant Physiology
BIOL 3470	Environmental Physiology of Animals 1
BIOL 3472	Environmental Physiology of Animals 2
BIOL 3500	Genetics 2
BIOL 3550	Plant Anatomy
BIOL 3560	Comparative Animal Histology
BIOL 4210	Biology of Fishes
BIOL 4212	Systematics and Biogeography of Fishes
BIOL 4214	Biology of Amphibians and Reptiles
BIOL 4216	Biology of Birds
BIOL 4218	Biology of Mammals
BIOL 4262	Wildlife and Fisheries Parasitology
BIOL 4310	Applications of Population Ecology in Fisheries and Wildlife
BIOL 4314	Arctic Field Ecology
BIOL 4362	Behavioural Ecology and Cognitive Ethology
BIOL 4380	Environmental Toxicology
BIOL 4510	Evolutionary Genetics
BIOL 4540	Developmental Molecular Biology
BIOL 4544	Advanced Developmental and Cellular Biology
BIOL 4554	Molecular Biology Techniques for Eukaryotes - DNA

BIOL 4556	Molecular Biology Techniques for Eukaryotes - RNA
BIOL 4560	Microtechnique

List B – Acceptable courses for 3000 or 4000 level credit from other units

ANSC 3500	Principles of Animal Genetics
ANSC 4410	Grassland Agriculture: Plant, Animal and Environment
BGEN 3022	Introduction to Human Genetics A
BGEN 3024	Introduction to Human Genetics B
CHEM 4360	Signalling and Regulation of Gene Expression
CHEM 4620	Biochemistry of Nucleic Acids
CHEM 4630	Biochemistry of Proteins
CHEM 4670	Drug Design and Drug Discovery
ENTM 3160	Veterinary and Wildlife Entomology
ENTM 3162	Manitoba's Insect Fauna
ENTM 3170	Crop Protection Entomology
ENTM 3180	Field Techniques in Entomology
ENTM 3190	Introduction to Applied Entomology
ENTM 4280	Aquatic Entomology
ENTM 4320	Pollination Biology
ENTM 4500	Insect Taxonomy and Morphology
ENTM 4520	Physiological Ecology of Insects
GEOL 3310	Paleontology
MBIO 3000	Applied Biological Safety
MBIO 3010	Mechanisms of Microbial Disease
MBIO 3282	Microbial Communities
MBIO 3410	Molecular Biology
MBIO 3430	Molecular Evolution
MBIO 3450	Regulation of Biochemical Processes
MBIO 3460	Membrane and Cellular Biochemistry
MBIO 4020	Immunology
MBIO 4602	Molecular Genetics of Prokaryotes - Lectures
MBIO 4612	Molecular Genetics of Eukaryotes - Lectures
MBIO 4672	Applied Molecular Biology
PHAC 3000	Foundations of Pharmacology
PHAC 4030	Drugs in Human Disease I
PHAC 4040	Drugs in Human Disease II
PLNT 3520	Principles of Plant Improvement
PLNT 3570	Fundamentals of Plant Pathology
PLNT 4330	Intermediate Plant Genetics
PLNT 4410	Grassland Agriculture: Plant, Animal and Environment

List C – Discipline-specific courses for Molecular, Cellular, and Systems Biology concentration

BIOL 3400	Plant Physiology
BIOL 3452	Environmental Plant Physiology
BIOL 3470	Environmental Physiology of Animals 1
BIOL 3472	Environmental Physiology of Animals 2
BIOL 3500	Genetics 2
BIOL 3542	Developmental Biology
BIOL 3560	Comparative Animal Histology

BIOL 4400	Revegetation of Disturbed Lands
BIOL 4460	Comparative Animal Energetics
BIOL 4470	Physiology of Excitable Cells
BIOL 4480	Comparative Endocrinology
BIOL 4500	Molecular Genetics of Plant Development
BIOL 4510	Evolutionary Genetics
BIOL 4540	Developmental Molecular Biology
BIOL 4542	Genes and Development
BIOL 4544	Advanced Developmental and Cellular Biology
BIOL 4554	Molecular Biology Techniques for Eukaryotes - DNA
BIOL 4556	Molecular Biology Techniques for Eukaryotes - RNA
BIOL 4560	Microtechnique

Honours: Ecology and Evolutionary Biology Concentration

Important Note ¹

Year 1		Hours
BIOL 1020	Biology 1: Principles and Themes	3
BIOL 1030	Biology 2: Biological Diversity, Function and Interactions (B)	3
CHEM 1100	Introductory Chemistry 1: Atomic and Molecular Structure and Energetics ²	3
CHEM 1120	Introduction to Chemistry Techniques ²	3
STAT 1150	Introduction to Statistics and Computing ³	3
or STAT 1000	Basic Statistical Analysis 1	
Hours		15
Years 1-2		
6 credit hours of Mathematics/Physics from:		6
MATH 1240	Elementary Discrete Mathematics ⁴	
MATH 1300	Vector Geometry and Linear Algebra ⁴	
MATH 1500	Introduction to Calculus ⁴	
MATH 1700	Calculus 2 ⁴	
PHYS 1020	General Physics 1	
or PHYS 1050	Physics 1: Mechanics	
6 credit hours from the Faculty of Arts including a required "W" course		6
12 credit hours of electives		12
Hours		24
Year 2		
BIOL 2300	Principles of Ecology ⁵	3
BIOL 2500	Genetics 1	3
BIOL 2520	Cell Biology	3
One of: ⁶		3
BIOL 2200	The Invertebrates	
BIOL 2210	The Chordates	
BIOL 2240	The Non-Flowering Plants	
BIOL 2242	The Flowering Plants	
Two additional of: ⁶		6
BIOL 2200	The Invertebrates	
BIOL 2210	The Chordates	

BIOL 2240	The Non-Flowering Plants	
BIOL 2242	The Flowering Plants	
BIOL 2260	Biology of Fungi and Lichens	
BIOL 2262	Biology of Algae	
BIOL 2600	Introduction to Computational Biology	
STAT 2150	Statistics and Computing ³	3
or STAT 2000	Basic Statistical Analysis 2	
Hours		21

Years 3-4

BIOL 3100	Skills in Biological Sciences	3
BIOL 3300	Evolutionary Biology	3
One of:		
BIOL 3310	Population Ecology	3
BIOL 3312	Community Ecology	
BIOL 4100	Honours Thesis	6
30 credit hours* of 3000 or 4000 biological sciences courses including:		30

- 15 credit hours from List A
- 12 credit hours from List D
- at least 6 credit hours at the 4000 level

*Where a completed course appears on both List A and List D, the course will count toward the first two requirements listed above.

*In addition to the above requirements, students must complete the balance of credit hours by taking any 3000 or 4000 level BIOL courses, or up to 6 credit hours from List B.

15 credit hours of electives		15
Hours		60

Co-op Requirements (if selected):

SCI 3980	Co-operative Education Work Term 1	0
SCI 3990	Co-operative Education Work Term 2	0
SCI 4980	Co-operative Education Work Term 1	0
SCI 4990	Co-operative Education Work Term 2 (if 4 th term selected)	0

¹ The program need not be completed in the manner prescribed in the grid above. The grid indicates one possible arrangement of the 120 credit hours that make up the degree and is meant to be a guide around which students can plan their program with a view to satisfying the prerequisites of the required courses. These 120 credit hours are a combination of the courses outlined in the grid above and elective courses chosen by the student in consultation with the program advisors.

² The former CHEM 1300 may be used in place of CHEM 1100 and the former CHEM 1310 may be used in place of CHEM 1110 and CHEM 1120. CHEM 1122 and CHEM 1126 may be used in place of CHEM 1120. CHEM 1122 and CHEM 1126 are restricted to Price Faculty of Engineering students.

³ STAT 1150 is recommended over STAT 1000 and STAT 2150 is strongly recommended over STAT 2000. Note STAT 2150 has a prerequisite of MATH 1500 or other alternative.

- ⁴ Students are strongly recommended to complete the Mathematics/Physics requirements before the end of their second year.
- MATH 1200 may be used in place of MATH 1240;
 - MATH 1210, MATH 1220 or MATH 1310 may be taken in place of MATH 1300;
 - MATH 1230, MATH 1510, MATH 1524, or the former MATH 1520 may be taken in place of MATH 1500;
 - MATH 1232 or MATH 1710 may be taken in place of MATH 1700.
- ⁵ BIOL 2390 cannot be used as a prerequisite for any other ecology courses. Students interested in completing the Ecology and Evolutionary Biology program must take BIOL 2300.
- ⁶ These courses serve as prerequisites for many upper level BIOL courses. Students are strongly advised to plan ahead when selecting from this list. If more than 9 credit hours are taken, the extra credit hours will count as electives.

List A – Biological Sciences courses with laboratory or field components.

BIOL 3242	Vascular Flora of Manitoba
BIOL 3250	Lichens and Bryophytes
BIOL 3270	Introductory Parasitology
BIOL 3310	Foundations of Population Ecology
BIOL 3312	Community Ecology
BIOL 3314	Field Ecology
BIOL 3350	Data Analysis in Ecology
BIOL 3370	Limnology
BIOL 3372	Wetland Ecology
BIOL 3400	Plant Physiology
BIOL 3452	Environmental Plant Physiology
BIOL 3470	Environmental Physiology of Animals 1
BIOL 3472	Environmental Physiology of Animals 2
BIOL 3500	Genetics 2
BIOL 3550	Plant Anatomy
BIOL 3560	Comparative Animal Histology
BIOL 4210	Biology of Fishes
BIOL 4212	Systematics and Biogeography of Fishes
BIOL 4214	Biology of Amphibians and Reptiles
BIOL 4216	Biology of Birds
BIOL 4218	Biology of Mammals
BIOL 4262	Wildlife and Fisheries Parasitology
BIOL 4310	Applications of Population Ecology in Fisheries and Wildlife
BIOL 4314	Arctic Field Ecology
BIOL 4362	Behavioural Ecology and Cognitive Ethology
BIOL 4380	Environmental Toxicology
BIOL 4510	Evolutionary Genetics
BIOL 4540	Developmental Molecular Biology
BIOL 4544	Advanced Developmental and Cellular Biology
BIOL 4554	Molecular Biology Techniques for Eukaryotes - DNA
BIOL 4556	Molecular Biology Techniques for Eukaryotes - RNA

BIOL 4560	Microtechnique
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List B – Acceptable courses for 3000 or 4000 level credit from other units

ANSC 3500	Principles of Animal Genetics
ANSC 4410	Grassland Agriculture: Plant, Animal and Environment
BGEN 3022	Introduction to Human Genetics A
BGEN 3024	Introduction to Human Genetics B
CHEM 4360	Signalling and Regulation of Gene Expression
CHEM 4620	Biochemistry of Nucleic Acids
CHEM 4630	Biochemistry of Proteins
CHEM 4670	Drug Design and Drug Discovery
ENTM 3160	Veterinary and Wildlife Entomology
ENTM 3162	Manitoba's Insect Fauna
ENTM 3170	Crop Protection Entomology
ENTM 3180	Field Techniques in Entomology
ENTM 3190	Introduction to Applied Entomology
ENTM 4280	Aquatic Entomology
ENTM 4320	Pollination Biology
ENTM 4500	Insect Taxonomy and Morphology
ENTM 4520	Physiological Ecology of Insects
GEOL 3310	Paleontology
MBIO 3000	Applied Biological Safety
MBIO 3010	Mechanisms of Microbial Disease
MBIO 3282	Microbial Communities
MBIO 3410	Molecular Biology
MBIO 3430	Molecular Evolution
MBIO 3450	Regulation of Biochemical Processes
MBIO 3460	Membrane and Cellular Biochemistry
MBIO 4020	Immunology
MBIO 4602	Molecular Genetics of Prokaryotes - Lectures
MBIO 4612	Molecular Genetics of Eukaryotes - Lectures
MBIO 4672	Applied Molecular Biology
PHAC 3000	Foundations of Pharmacology
PHAC 4030	Drugs in Human Disease I
PHAC 4040	Drugs in Human Disease II
PLNT 3520	Principles of Plant Improvement
PLNT 3570	Fundamentals of Plant Pathology
PLNT 4330	Intermediate Plant Genetics
PLNT 4410	Grassland Agriculture: Plant, Animal and Environment

List D – Discipline-specific courses for Ecology and Evolutionary Biology

BIOL 3200	Advanced Invertebrate Biology
BIOL 3242	Vascular Flora of Manitoba
BIOL 3250	Lichens and Bryophytes
BIOL 3270	Introductory Parasitology
BIOL 3280	Forest Botany
BIOL 3290	Medicinal and Hallucinogenic Plants
BIOL 3310	Foundations of Population Ecology
BIOL 3312	Community Ecology
BIOL 3314	Field Ecology

BIOL 3318	Boreal Ecology
BIOL 3340	Biology of Primitive Fungi and Allies
BIOL 3350	Data Analysis in Ecology
BIOL 3360	Animal Behaviour
BIOL 3370	Limnology
BIOL 3372	Wetland Ecology
BIOL 4210	Biology of Fishes
BIOL 4212	Systematics and Biogeography of Fishes
BIOL 4214	Biology of Amphibians and Reptiles
BIOL 4216	Biology of Birds
BIOL 4218	Biology of Mammals
BIOL 4220	Marine Biodiversity
BIOL 4262	Wildlife and Fisheries Parasitology
BIOL 4300	Evolution and Adaptation
BIOL 4310	Applications of Population Ecology in Fisheries and Wildlife
BIOL 4312	Analysis of Biological Communities
BIOL 4314	Arctic Field Ecology
BIOL 4330	Plant Interactions
BIOL 4362	Behavioural Ecology and Cognitive Ethology
BIOL 4374	Aquatic Botany
BIOL 4380	Environmental Toxicology

Biological Sciences, B.Sc. Major

Overview

Biological Sciences Major Entrance, Continuation, and Graduation Requirements

The four-year Major program will provide intensive training in all areas of Biology comparable to that of the Honours program but has less demanding performance requirements. Additionally, students may complete the Major degree requirements on a part-time basis or with appropriate standing and course selection, students who meet the entrance requirements may transfer to the Honours program at any time up to the commencement of Year 4.

Upon joining the Department of Biological Sciences, students enter the broad B.Sc. Biological Sciences program. Students interested in focusing their studies in a particular discipline of biology can choose to declare a concentration in either Ecology and Evolutionary Biology or Molecular, Cellular, and Systems Biology.

Course BIOL 4100 – Honours Thesis is not available to students in this program.

To enter the Biological Sciences four-year Major program a student must have completed a minimum of 24 credit hours with a minimum DGPA of 2.00 and obtained a minimum grade of “C+” in BIOL 1030. CHEM 1100, CHEM 1110 (if required for the concentration), CHEM 1120, STAT 1150 or STAT 1000, and six credit hours of specified Mathematics or Physics courses are program requirements and students are strongly encouraged to complete these courses by the end of their second year.

To continue in the Bachelor of Science Major degree, a student must maintain a minimum DGPA of 2.00.

To graduate with the Bachelor of Science (Major) in Biological Sciences, a student must obtain a minimum DGPA of 2.00 and a minimum grade of "C" or better in all required courses and required option courses.

Major Co-operative Option

A co-operative education option is available for Major students. Students should refer to the Co-operative Education section for further information on the Co-op programs.

The course and minimum grade requirements for entry and continuation in the Co-operative Option are the same as those required for the regular Major program. However, the entry and continuation DGPA requirement is set at a minimum of 2.5.

Before starting the first co-op work term, the following prerequisite courses must be completed:

Course	Title	Hours
<u>BIOL 1020</u>	Biology 1: Principles and Themes	3
<u>BIOL 1030</u>	Biology 2: Biological Diversity, Function and Interactions	3
<u>CHEM 1100</u>	Introductory Chemistry 1: Atomic and Molecular Structure and Energetics	3
<u>CHEM 1120</u>	Introduction to Chemistry Techniques	3
<u>STAT 1150</u> or <u>STAT 1000</u>	Introduction to Statistics and Computing Basic Statistical Analysis 1	3
6 credit hours of specified Mathematics or Physics		6
<u>BIOL 2300</u> or <u>BIOL 2390</u>	Principles of Ecology Or Introductory Ecology	3
<u>BIOL 2500</u>	Genetics 1	3
<u>BIOL 2520</u>	Cell Biology	3
In addition, students must complete 9-12 credit hours from program courses as outlined in the specific program grids.		9-12

Degree Requirements

On This Page

- Four-Year Major: Biological Sciences (Including Co-operative Option)
- Four-Year Major: Molecular, Cellular, and Systems Biology (Including Co-operative Option)
- Four-Year Major: Ecology and Evolutionary Biology (Including Co-operative Option)

Four-Year Major: Biological Sciences

Important Note ¹

Year 1		Hours
BIOL 1020	Biology 1: Principles and Themes	3
BIOL 1030	Biology 2: Biological Diversity, Function and Interactions (C+)	3
CHEM 1100	Introductory Chemistry 1: Atomic and Molecular Structure and Energetics ²	3
CHEM 1120	Introduction to Chemistry Techniques ²	3
STAT 1150	Introduction to Statistics and Computing ³	3
or STAT 1000	Basic Statistical Analysis 1	

Hours	15
Years 1-2	
6 credit hours of Mathematics/Physics from:	6
MATH 1240 Elementary Discrete Mathematics ⁴	
MATH 1300 Vector Geometry and Linear Algebra ⁴	
MATH 1500 Introduction to Calculus ⁴	
MATH 1700 Calculus 2 ⁴	
PHYS 1020 General Physics 1	
or PHYS 1050 Physics 1: Mechanics	
6 credit hours from the Faculty of Arts including a required "W" course	6
15 credit hours of electives	15
Hours	27
Year 2	
BIOL 2300 Principles of Ecology	3
or BIOL 2390 Introductory Ecology ⁵	
BIOL 2500 Genetics 1	3
BIOL 2520 Cell Biology	3
One of: ⁶	3
BIOL 2200 The Invertebrates	
BIOL 2210 The Chordates	
BIOL 2240 The Non-Flowering Plants	
BIOL 2242 The Flowering Plants	
Two additional of: ⁶	6
BIOL 2200 The Invertebrates	
BIOL 2210 The Chordates	
BIOL 2240 The Non-Flowering Plants	
BIOL 2242 The Flowering Plants	
BIOL 2260 Biology of Fungi and Lichens	
BIOL 2262 Biology of Algae	
BIOL 2420 Human Physiology 2 ⁷	
BIOL 2600 Introduction to Computational Biology	
Hours	18
Years 3-4	
BIOL 3300 Evolutionary Biology	3
33 credit hours* of 3000 or 4000 biological sciences courses including:	33
• 15 credit hours from List A	
• at least 6 credit hours at the 4000 level	
*In addition to the above requirements, students must complete the balance of credit hours by taking any 3000 or 4000 level BIOL courses, or up to 6 credit hours from List B.	
24 credit hours of electives	24
Co-op Requirements (if selected):	
SCI 3980 Co-operative Education Work Term 1	0
SCI 3990 Co-operative Education Work Term 2	0
SCI 4980 Co-operative Education Work Term 1	0
SCI 4990 Co-operative Education Work Term 2 (if 4 th term selected)	0
Hours	60

- ¹ The program need not be completed in the manner prescribed in the grid above. The grid indicates one possible arrangement of the 120 credit hours that make up the degree and is meant to be a guide around which students can plan their program with a view to satisfying the prerequisites of the required courses. These 120 credit hours are a combination of the courses outlined in the grid above and elective courses.
- ² The former CHEM 1300 may be used in place of CHEM 1100 and the former CHEM 1310 may be used in place of CHEM 1110 and CHEM 1120. CHEM 1122 and CHEM 1126 may be used in place of CHEM 1120. CHEM 1122 and CHEM 1126 are restricted to Price Faculty of Engineering students.
- ³ STAT 1150 is recommended over STAT 1000.
- ⁴ Students are strongly recommended to complete the Mathematics/Physics requirements before the end of their second year.
 - MATH 1200 may be used in place of MATH 1240;
 - MATH 1210, MATH 1220 or MATH 1310 may be taken in place of MATH 1300;
 - MATH 1230, MATH 1510, MATH 1524, or the former MATH 1520 may be taken in place of MATH 1500;
 - MATH 1232 or MATH 1710 may be taken in place of MATH 1700.
- ⁵ If a student is considering selecting the Ecology and Evolutionary Biology Concentration or taking advanced level ecology courses, they should select BIOL 2300. BIOL 2390 cannot be used in place of BIOL 2300 for prerequisite purposes. Selecting BIOL 2390 will limit the number of 3000 and 4000 level BIOL courses a student can take.
- ⁶ These courses serve as prerequisites for many upper level BIOL courses. Students are strongly advised to plan ahead when selecting from this list. If more than 9 credit hours are taken, the extra credit hours will count as electives.
- ⁷ BIOL 2410 is prerequisite to BIOL 2420. BIOL 2410 can be used as an elective.

List A – Biological Sciences courses with laboratory or field components.

BIOL 3242	Vascular Flora of Manitoba
BIOL 3250	Lichens and Bryophytes
BIOL 3270	Introductory Parasitology
BIOL 3310	Foundations of Population Ecology
BIOL 3312	Community Ecology
BIOL 3314	Field Ecology
BIOL 3350	Data Analysis in Ecology
BIOL 3370	Limnology
BIOL 3372	Wetland Ecology
BIOL 3400	Plant Physiology
BIOL 3452	Environmental Plant Physiology
BIOL 3470	Environmental Physiology of Animals 1
BIOL 3472	Environmental Physiology of Animals 2
BIOL 3500	Genetics 2
BIOL 3550	Plant Anatomy
BIOL 3560	Comparative Animal Histology

BIOL 4210	Biology of Fishes
BIOL 4212	Systematics and Biogeography of Fishes
BIOL 4214	Biology of Amphibians and Reptiles
BIOL 4216	Biology of Birds
BIOL 4218	Biology of Mammals
BIOL 4262	Wildlife and Fisheries Parasitology
BIOL 4310	Applications of Population Ecology in Fisheries and Wildlife
BIOL 4314	Arctic Field Ecology
BIOL 4362	Behavioural Ecology and Cognitive Ethology
BIOL 4380	Environmental Toxicology
BIOL 4510	Evolutionary Genetics
BIOL 4540	Developmental Molecular Biology
BIOL 4544	Advanced Developmental and Cellular Biology
BIOL 4554	Molecular Biology Techniques for Eukaryotes – DNA
BIOL 4556	Molecular Biology Techniques for Eukaryotes – RNA
BIOL 4560	Microtechnique

List B – Acceptable courses for 3000 or 4000 level credit from other units

ANSC 3500	Principles of Animal Genetics
ANSC 4410	Grassland Agriculture: Plant, Animal and Environment
BGEN 3022	Introduction to Human Genetics A
BGEN 3024	Introduction to Human Genetics B
CHEM 4360	Signalling and Regulation of Gene Expression
CHEM 4620	Biochemistry of Nucleic Acids
CHEM 4630	Biochemistry of Proteins
CHEM 4670	Drug Design and Drug Discovery
ENTM 3160	Veterinary and Wildlife Entomology
ENTM 3162	Manitoba's Insect Fauna
ENTM 3170	Crop Protection Entomology
ENTM 3180	Field Techniques in Entomology
ENTM 3190	Introduction to Applied Entomology
ENTM 4280	Aquatic Entomology
ENTM 4320	Pollination Biology
ENTM 4500	Insect Taxonomy and Morphology
ENTM 4520	Physiological Ecology of Insects
GEOL 3310	Paleontology
MBIO 3000	Applied Biological Safety
MBIO 3010	Mechanisms of Microbial Disease
MBIO 3282	Microbial Communities
MBIO 3410	Molecular Biology
MBIO 3430	Molecular Evolution
MBIO 3450	Regulation of Biochemical Processes
MBIO 3460	Membrane and Cellular Biochemistry
MBIO 4020	Immunology
MBIO 4602	Molecular Genetics of Prokaryotes – Lectures
MBIO 4612	Molecular Genetics of Eukaryotes – Lectures
MBIO 4672	Applied Molecular Biology
PHAC 3000	Foundations of Pharmacology
PHAC 4030	Drugs in Human Disease I
PHAC 4040	Drugs in Human Disease II

PLNT 3520	Principles of Plant Improvement
PLNT 3570	Fundamentals of Plant Pathology
PLNT 4330	Intermediate Plant Genetics
PLNT 4410	Grassland Agriculture: Plant, Animal and Environment

Four-Year Major: Molecular, Cellular, and Systems Biology Concentration

Important Note ¹

Year 1		Hours
BIOL 1020	Biology 1: Principles and Themes	3
BIOL 1030	Biology 2: Biological Diversity, Function and Interactions (C+)	3
CHEM 1100	Introductory Chemistry 1: Atomic and Molecular Structure and Energetics ²	3
CHEM 1110	Introductory Chemistry 2: Interaction, Reactivity, and Chemical Properties ²	3
CHEM 1120	Introduction to Chemistry Techniques ²	3
STAT 1150	Introduction to Statistics and Computing ³	3
or STAT 1000	Basic Statistical Analysis 1	
Hours		18
Years 1-2		
6 credit hours of Mathematics/Physics from:		6
MATH 1240	Elementary Discrete Mathematics ⁴	
MATH 1300	Vector Geometry and Linear Algebra ⁴	
MATH 1500	Introduction to Calculus ⁴	
MATH 1700	Calculus 2 ⁴	
PHYS 1020	General Physics 1	
or PHYS 1050	Physics 1: Mechanics	
6 credit hours from the Faculty of Arts including a required "W" course		6
3 credit hours of electives		3
Hours		15
Year 2		
BIOL 2300	Principles of Ecology	3
or BIOL 2390	Introductory Ecology ⁵	
BIOL 2500	Genetics 1	3
BIOL 2520	Cell Biology	3
One of: ⁶		3
BIOL 2200	The Invertebrates	
BIOL 2210	The Chordates	
BIOL 2240	The Non-Flowering Plants	
BIOL 2242	The Flowering Plants	
Two additional of: ⁶		6
BIOL 2200	The Invertebrates	
BIOL 2210	The Chordates	
BIOL 2240	The Non-Flowering Plants	
BIOL 2242	The Flowering Plants	
BIOL 2260	Biology of Fungi and Lichens	
BIOL 2262	Biology of Algae	
BIOL 2420	Human Physiology 2 ⁷	

BIOL 2600	Introduction to Computational Biology	
CHEM 2100	Organic Chemistry 1: Foundations of Organic Chemistry ⁸	
Select Group A or Group B:		9
Group A: ⁸		
CHEM/MBIO 2700	Biochemistry 1: Biomolecules and an Introduction to Metabolic Energy	
CHEM/MBIO 2710	Biochemistry 2: Catabolism, Synthesis, and Information Pathways	
CHEM 2720	Principles and Practices of the Modern Biochemistry Laboratory	
Group B: ⁸		
CHEM/MBIO 2730	Elements of Biochemistry 1	
CHEM/MBIO 2750	Elements of Biochemistry 2	
CHEM 2740	Introduction to the Biochemistry Laboratory	
Hours		27
Years 3-4		
BIOL 3300	Evolutionary Biology	3
33 credit hours* of 3000 or 4000 biological sciences courses including:		33
• 15 credit hours from List A • 12 credit hours from List C • at least 6 credit hours at the 4000 level		
*Where a completed course appears on both List A and List C, the course will count toward the first two requirements listed above.		
*In addition to the above requirements, students must complete the balance of credit hours by taking any 3000 or 4000 level BIOL courses, or up to 6 credit hours from List B.		
24 credit hours of electives		24
Co-op Requirements (if selected):		
SCI 3980	Co-operative Education Work Term 1	0
SCI 3990	Co-operative Education Work Term 2	0
SCI 4980	Co-operative Education Work Term 1	0
SCI 4990	Co-operative Education Work Term 2 (if 4 th term selected)	0
Hours		60

¹ The program need not be completed in the manner prescribed in the grid above. The grid indicates one possible arrangement of the 120 credit hours that make up the degree and is meant to be a guide around which students can plan their program with a view to satisfying the prerequisites of the required courses. These 120 credit hours are a combination of the courses outlined in the grid above and elective courses chosen by the student in consultation with the program advisors.

² The former CHEM 1300 may be used in place of CHEM 1100 and the former CHEM 1310 may be used in place of CHEM 1110 and CHEM 1120. CHEM 1122 and CHEM 1126 may be used in place of CHEM 1120. CHEM 1122 and CHEM 1126 are restricted to Price Faculty of Engineering students.

³ STAT 1150 is recommended over STAT 1000.

⁴ Students are strongly recommended to complete the Mathematics/Physics requirements before the end of their second year.

- MATH 1200 may be used in place of MATH 1240;
- MATH 1210, MATH 1220 or MATH 1310 may be taken in place of MATH 1300;

- MATH 1230, MATH 1510, MATH 1524, or the former MATH 1520 may be taken in place of MATH 1500;
- MATH 1232 or MATH 1710 may be taken in place of MATH 1700.

⁵ BIOL 2390 cannot be used in place of BIOL 2300 for prerequisite purposes. Selecting BIOL 2390 will limit the number of 3000 and 4000 level BIOL courses a student can take.

⁶ These courses serve as prerequisites for many upper level BIOL courses. Students are strongly advised to plan ahead when selecting from this list. If more than 9 credit hours are taken, the extra credit hours will count as electives.

⁷ BIOL 2410 is prerequisite to BIOL 2420. BIOL 2410 can be used as an elective.

⁸ Students are strongly recommended to complete their biochemistry requirements in their second year. The former CHEM 2360 (MBIO 2360) may be used in place of CHEM 2700 (MBIO 2700), and the former CHEM 2370 (MBIO 2370) may be used in place of CHEM 2710 (MBIO 2710) and CHEM 2720. The former CHEM 2770 (MBIO 2770) may be used in place of CHEM 2730 (MBIO 2730), and the former CHEM 2780 (MBIO 2780) may be used in place of CHEM 2740 and CHEM 2750 (MBIO 2750). If the choice of biochemistry courses includes the requirement of CHEM 2100, CHEM 2100 can be used as the additional course listed above. The former CHEM 2210 may be used in place of CHEM 2100.

List A – Biological Sciences courses with laboratory or field components.

BIOL 3242	Vascular Flora of Manitoba
BIOL 3250	Lichens and Bryophytes
BIOL 3270	Introductory Parasitology
BIOL 3310	Foundations of Population Ecology
BIOL 3312	Community Ecology
BIOL 3314	Field Ecology
BIOL 3350	Data Analysis in Ecology
BIOL 3370	Limnology
BIOL 3372	Wetland Ecology
BIOL 3400	Plant Physiology
BIOL 3452	Environmental Plant Physiology
BIOL 3470	Environmental Physiology of Animals 1
BIOL 3472	Environmental Physiology of Animals 2
BIOL 3500	Genetics 2
BIOL 3550	Plant Anatomy
BIOL 3560	Comparative Animal Histology
BIOL 4210	Biology of Fishes
BIOL 4212	Systematics and Biogeography of Fishes
BIOL 4214	Biology of Amphibians and Reptiles
BIOL 4216	Biology of Birds
BIOL 4218	Biology of Mammals
BIOL 4262	Wildlife and Fisheries Parasitology
BIOL 4310	Applications of Population Ecology in Fisheries and Wildlife
BIOL 4314	Arctic Field Ecology
BIOL 4362	Behavioural Ecology and Cognitive Ethology
BIOL 4380	Environmental Toxicology

BIOL 4510	Evolutionary Genetics
BIOL 4540	Developmental Molecular Biology
BIOL 4544	Advanced Developmental and Cellular Biology
BIOL 4554	Molecular Biology Techniques for Eukaryotes - DNA
BIOL 4556	Molecular Biology Techniques for Eukaryotes - RNA
BIOL 4560	Microtechnique

List B – Acceptable courses for 3000 or 4000 level credit from other units

ANSC 3500	Principles of Animal Genetics
ANSC 4410	Grassland Agriculture: Plant, Animal and Environment
BGEN 3022	Introduction to Human Genetics A
BGEN 3024	Introduction to Human Genetics B
CHEM 4360	Signalling and Regulation of Gene Expression
CHEM 4620	Biochemistry of Nucleic Acids
CHEM 4630	Biochemistry of Proteins
CHEM 4670	Drug Design and Drug Discovery
ENTM 3160	Veterinary and Wildlife Entomology
ENTM 3162	Manitoba's Insect Fauna
ENTM 3170	Crop Protection Entomology
ENTM 3180	Field Techniques in Entomology
ENTM 3190	Introduction to Applied Entomology
ENTM 4280	Aquatic Entomology
ENTM 4320	Pollination Biology
ENTM 4500	Insect Taxonomy and Morphology
ENTM 4520	Physiological Ecology of Insects
GEOL 3310	Paleontology
MBIO 3000	Applied Biological Safety
MBIO 3010	Mechanisms of Microbial Disease
MBIO 3282	Microbial Communities
MBIO 3410	Molecular Biology
MBIO 3430	Molecular Evolution
MBIO 3450	Regulation of Biochemical Processes
MBIO 3460	Membrane and Cellular Biochemistry
MBIO 4020	Immunology
MBIO 4602	Molecular Genetics of Prokaryotes - Lectures
MBIO 4612	Molecular Genetics of Eukaryotes - Lectures
MBIO 4672	Applied Molecular Biology
PHAC 3000	Foundations of Pharmacology
PHAC 4030	Drugs in Human Disease I
PHAC 4040	Drugs in Human Disease II
PLNT 3520	Principles of Plant Improvement
PLNT 3570	Fundamentals of Plant Pathology
PLNT 4330	Intermediate Plant Genetics
PLNT 4410	Grassland Agriculture: Plant, Animal and Environment

List C – Discipline-specific courses for the Molecular, Cellular, and Systems Biology concentration

BIOL 3400	Plant Physiology
BIOL 3452	Environmental Plant Physiology
BIOL 3470	Environmental Physiology of Animals 1

BIOL 3472	Environmental Physiology of Animals 2
BIOL 3500	Genetics 2
BIOL 3542	Developmental Biology
BIOL 3560	Comparative Animal Histology
BIOL 4400	Revegetation of Disturbed Lands
BIOL 4460	Comparative Animal Energetics
BIOL 4470	Physiology of Excitable Cells
BIOL 4480	Comparative Endocrinology
BIOL 4500	Molecular Genetics of Plant Development
BIOL 4510	Evolutionary Genetics
BIOL 4540	Developmental Molecular Biology
BIOL 4542	Genes and Development
BIOL 4544	Advanced Developmental and Cellular Biology
BIOL 4554	Molecular Biology Techniques for Eukaryotes - DNA
BIOL 4556	Molecular Biology Techniques for Eukaryotes - RNA
BIOL 4560	Microtechnique

Four-Year Major: Ecology and Evolutionary Biology Concentration

Important Note ¹

Year 1		Hours
BIOL 1020	Biology 1: Principles and Themes	3
BIOL 1030	Biology 2: Biological Diversity, Function and Interactions (C+)	3
CHEM 1100	Introductory Chemistry 1: Atomic and Molecular Structure and Energetics ²	3
CHEM 1120	Introduction to Chemistry Techniques ²	3
STAT 1150	Introduction to Statistics and Computing ³	3
or STAT 1000	Basic Statistical Analysis 1	
Hours		15
Years 1-2		
6 credit hours of Mathematics/Physics from:		6
MATH 1240	Elementary Discrete Mathematics ⁴	
MATH 1300	Vector Geometry and Linear Algebra ⁴	
MATH 1500	Introduction to Calculus ⁴	
MATH 1700	Calculus 2 ⁴	
PHYS 1020	General Physics 1	
or PHYS 1050	Physics 1: Mechanics	
6 credit hours from the Faculty of Arts including a required "W" course		6
12 credit hours of electives		12
Hours		24
Year 2		
BIOL 2300	Principles of Ecology ⁵	3
BIOL 2500	Genetics 1	3
BIOL 2520	Cell Biology	3
One of: ⁶		3
BIOL 2200	The Invertebrates	
BIOL 2210	The Chordates	
BIOL 2240	The Non-Flowering Plants	
BIOL 2242	The Flowering Plants	

Two additional of: ⁶	6
BIOL 2200 The Invertebrates	
BIOL 2210 The Chordates	
BIOL 2240 The Non-Flowering Plants	
BIOL 2242 The Flowering Plants	
BIOL 2260 Biology of Fungi and Lichens	
BIOL 2262 Biology of Algae	
BIOL 2600 Introduction to Computational Biology	
STAT 2150 Statistics and Computing ³	3
or STAT 2000 Basic Statistical Analysis 2	
Hours	21
Years 3-4	
BIOL 3300 Evolutionary Biology	3
One of:	
BIOL 3310 Population Ecology	3
BIOL 3312 Community Ecology	
30 credit hours* of 3000 or 4000 biological sciences courses including:	30
• 15 credit hours from List A	
• 12 credit hours from List D	
• at least 6 credit hours at the 4000 level	
*Where a completed course appears on both List A and List D, the course will count toward the first two requirements listed above.	
*In addition to the above requirements, students must complete the balance of credit hours by taking any 3000 or 4000 level BIOL courses, or up to 6 credit hours from List B.	
The above 30 credit hours must include at least 6 credit hours of courses at the 4000 level.	
24 credit hours of electives	24
Co-op Requirements (if selected):	
SCI 3980 Co-operative Education Work Term 1	0
SCI 3990 Co-operative Education Work Term 2	0
SCI 4980 Co-operative Education Work Term 1	0
SCI 4990 Co-operative Education Work Term 2 (if 4 th term selected)	0
Hours	60

¹ The program need not be completed in the manner prescribed in the grid above. The grid indicates one possible arrangement of the 120 credit hours that make up the degree and is meant to be a guide around which students can plan their program with a view to satisfying the prerequisites of the required courses. These 120 credit hours are a combination of the courses outlined in the grid above and elective courses chosen by the student in consultation with the program advisors.

² The former CHEM 1300 may be used in place of CHEM 1100 and the former CHEM 1310 may be used in place of CHEM 1110 and CHEM 1120. CHEM 1122 and CHEM 1126 may be used in place of CHEM 1120. CHEM 1122 and CHEM 1126 are restricted to Price Faculty of Engineering students.

³ STAT 1150 is recommended over STAT 1000 and STAT 2150 is strongly recommended over STAT 2000. Note STAT 2150 has a prerequisite of MATH 1500 or other alternative.

- ⁴ Students are strongly recommended to complete the Mathematics/Physics requirements before the end of their second year.
- MATH 1200 may be used in place of MATH 1240;
 - MATH 1210, MATH 1220 or MATH 1310 may be taken in place of MATH 1300;
 - MATH 1230, MATH 1510, MATH 1524, or the former MATH 1520 may be taken in place of MATH 1500;
 - MATH 1232 or MATH 1710 may be taken in place of MATH 1700.
- ⁵ BIOL 2390 cannot be used in place of BIOL 2300 for prerequisite purposes. Students interested in completing the Ecology and Evolutionary Biology concentration must take BIOL 2300.
- ⁶ These courses serve as prerequisites for many upper level BIOL courses. Students are strongly advised to plan ahead when selecting from this list. If more than 9 credit hours are taken, the extra credit hours will count as electives.

List A – Biological Sciences courses with laboratory or field components.

BIOL 3242	Vascular Flora of Manitoba
BIOL 3250	Lichens and Bryophytes
BIOL 3270	Introductory Parasitology
BIOL 3310	Foundations of Population Ecology
BIOL 3312	Community Ecology
BIOL 3314	Field Ecology
BIOL 3350	Data Analysis in Ecology
BIOL 3370	Limnology
BIOL 3372	Wetland Ecology
BIOL 3400	Plant Physiology
BIOL 3452	Environmental Plant Physiology
BIOL 3470	Environmental Physiology of Animals 1
BIOL 3472	Environmental Physiology of Animals 2
BIOL 3500	Genetics 2
BIOL 3550	Plant Anatomy
BIOL 3560	Comparative Animal Histology
BIOL 4210	Biology of Fishes
BIOL 4212	Systematics and Biogeography of Fishes
BIOL 4214	Biology of Amphibians and Reptiles
BIOL 4216	Biology of Birds
BIOL 4218	Biology of Mammals
BIOL 4262	Wildlife and Fisheries Parasitology
BIOL 4310	Applications of Population Ecology in Fisheries and Wildlife
BIOL 4314	Arctic Field Ecology
BIOL 4362	Behavioural Ecology and Cognitive Ethology
BIOL 4380	Environmental Toxicology
BIOL 4510	Evolutionary Genetics
BIOL 4540	Developmental Molecular Biology
BIOL 4544	Advanced Developmental and Cellular Biology
BIOL 4554	Molecular Biology Techniques for Eukaryotes - DNA
BIOL 4556	Molecular Biology Techniques for Eukaryotes - RNA
BIOL 4560	Microtechnique

List B – Acceptable courses for 3000 or 4000 level credit from other units

ANSC 3500	Principles of Animal Genetics
ANSC 4410	Grassland Agriculture: Plant, Animal and Environment
BGEN 3022	Introduction to Human Genetics A
BGEN 3024	Introduction to Human Genetics B
CHEM 4360	Signalling and Regulation of Gene Expression
CHEM 4620	Biochemistry of Nucleic Acids
CHEM 4630	Biochemistry of Proteins
CHEM 4670	Drug Design and Drug Discovery
ENTM 3160	Veterinary and Wildlife Entomology
ENTM 3162	Manitoba's Insect Fauna
ENTM 3170	Crop Protection Entomology
ENTM 3180	Field Techniques in Entomology
ENTM 3190	Introduction to Applied Entomology
ENTM 4280	Aquatic Entomology
ENTM 4320	Pollination Biology
ENTM 4500	Insect Taxonomy and Morphology
ENTM 4520	Physiological Ecology of Insects
GEOL 3310	Paleontology
MBIO 3000	Applied Biological Safety
MBIO 3010	Mechanisms of Microbial Disease
MBIO 3282	Microbial Communities
MBIO 3410	Molecular Biology
MBIO 3430	Molecular Evolution
MBIO 3450	Regulation of Biochemical Processes
MBIO 3460	Membrane and Cellular Biochemistry
MBIO 4020	Immunology
MBIO 4602	Molecular Genetics of Prokaryotes - Lectures
MBIO 4612	Molecular Genetics of Eukaryotes - Lectures
MBIO 4672	Applied Molecular Biology
PHAC 3000	Foundations of Pharmacology
PHAC 4030	Drugs in Human Disease I
PHAC 4040	Drugs in Human Disease II
PLNT 3520	Principles of Plant Improvement
PLNT 3570	Fundamentals of Plant Pathology
PLNT 4330	Intermediate Plant Genetics
PLNT 4410	Grassland Agriculture: Plant, Animal and Environment

List D – Discipline-specific courses for the Ecology and Evolutionary Biology concentration

BIOL 3200	Advanced Invertebrate Biology
BIOL 3242	Vascular Flora of Manitoba
BIOL 3250	Lichens and Bryophytes
BIOL 3270	Introductory Parasitology
BIOL 3280	Forest Botany
BIOL 3290	Medicinal and Hallucinogenic Plants
BIOL 3310	Foundations of Population Ecology
BIOL 3312	Community Ecology
BIOL 3314	Field Ecology
BIOL 3318	Boreal Ecology
BIOL 3340	Biology of Primitive Fungi and Allies

BIOL 3350	Data Analysis in Ecology
BIOL 3360	Animal Behaviour
BIOL 3370	Limnology
BIOL 3372	Wetland Ecology
BIOL 4210	Biology of Fishes
BIOL 4212	Systematics and Biogeography of Fishes
BIOL 4214	Biology of Amphibians and Reptiles
BIOL 4216	Biology of Birds
BIOL 4218	Biology of Mammals
BIOL 4220	Marine Biodiversity
BIOL 4262	Wildlife and Fisheries Parasitology
BIOL 4300	Evolution and Adaptation
BIOL 4310	Applications of Population Ecology in Fisheries and Wildlife
BIOL 4312	Analysis of Biological Communities
BIOL 4314	Arctic Field Ecology
BIOL 4330	Plant Interactions
BIOL 4362	Behavioural Ecology and Cognitive Ethology
BIOL 4374	Aquatic Botany
BIOL 4380	Environmental Toxicology

Report of the Senate Committee on Admissions concerning a proposal from the I.H. Asper School of Business to create a waitlist management policy (2023.10.24)

Preamble:

1. The terms of reference for this committee can be found at: http://umanitoba.ca/admin/governance/governing_documents/governance/sen_committees/490.htm.
2. The I.H. Asper School of Business is proposing the creation of a waitlist management policy for the Bachelor of Commerce (Honours) degree program. If approved, the new process would mean that come July of the intake year, waitlist offers would be restricted to applicants currently residing in Canada.
3. The proposal and was endorsed by SCADM on October 24th, 2023.

Observations:

1. The visa application process can take a significant amount of time and international applicants not residing in Canada are unlikely to have enough time to secure a visa and arrive in time if their offer is extended in July or beyond.
2. Moving to this process will support the Asper School's goals of filling as many seats as possible.

Recommendation:

The Senate Committee on Admissions recommends that the proposal to create a waitlist management policy in the Asper School of Business be approved effective for the fall 2025 intake.

Respectfully submitted
Laurie Schnarr, Chair, Senate Committee on Admissions

Comments of the Senate Executive Committee:
The Senate Executive Committee Endorses the Report to Senate.

Date: September 29, 2023

To: Laurie Schnarr, Chair, Senate Committee on Admissions

From: Bruno Silvestre, Dean, I.H. Asper School of Business

Subject: Waitlist Management Policy, Asper School of Business B. Comm. (Hons.)

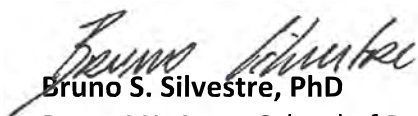
Asper School of Business has not used waitlists during the admission and enrolment process. Currently all offers are extended at the end of June based on the number of seats available and historic attrition rates. Over the last 5 years, this process has not been effective, and the Asper School of Business has not been utilizing and filling all available seats resulting in under enrolment.

Asper School of Business would like to implement a Waitlist Management Policy so that waitlist management can be used to allow the faculty to switch admissions efforts to students who are Canadian Citizens, permanent residents or international students who are currently studying in Canada only. When offers are extended in June a waitlist is created at the point of admission selection based on rank order of all applicants using AGPA (Adjusted Grade Point Average). As students decline offers, we would continue to move through the waitlist by rank order and extend offers to the next ranked candidate.

Our proposed waitlist management policy will focus on maximizing enrolment and ensuring that all available seats are filled based on the approved admission target.

Should you require any further information on this proposal please do not hesitate to contact Robert Biscontri, Associate Dean – Undergraduate and International Programs.

Thank you.

A handwritten signature in black ink, appearing to read "Bruno Silvestre".

Bruno S. Silvestre, PhD
Dean, I.H. Asper School of Business
CPA Manitoba Chair in Business Leadership

Proposal for a Waitlist Management Policy

Background

Asper has not used waitlists during the admission and enrolment process. Currently all offers are extended at the end of June based on the number of seats available and historic attrition rates. Over the last 5 years, this process has not been effective, and the Asper School of Business has not been utilizing and filling all available seats resulting in under enrolment. By introducing the use of waitlists in the selection process it will allow Asper to extend an offer to the next available candidate based on rank order of calculated AGPA (Adjusted Grade Point Average). Waitlists can remain open through the revision period in the Fall term if necessary. However, at the beginning of the fall term approaches, it becomes more challenging for students who are not Canadian citizens or permanent residents, or international students not physically residing in Canada to relocate to Winnipeg and enroll in fall classes. Due to the lengthy student visa application process for international students, it is unlikely that an international applicant not residing in Canada would be able to obtain the required permit in time to start classes in Fall term, if offered from the waitlist in July.

Our proposed waitlist management policy will focus on maximizing enrolment and ensuring that all available seats are filled based on the approved admission target. The proposal allows admissions to prioritize students who either reside in Winnipeg or have a higher likelihood of reallocating to Winnipeg and physically being able to attend on campus fall classes. It will allow for a much more efficient process at the late stages of the process to try and maximize the enrolment.

The Proposal

It is being proposed that waitlist management be used to allow the faculty to switch admissions efforts to students who are Canadian Citizens, permanent residents or international students who are currently studying in Canada only. Offers would be extended in June and a waitlist created at the point of admission selection. This would be based on rank order of all applicants using AGPA. As students decline offers, we would continue to move through the waitlist by rank order and extend offers to the next ranked candidate. At the beginning of July, we would move/switch to a waitlist for applicants who are currently residing in Canada. This would remove the international students who are outside of Canada from selection and expedite getting offers to the students who can physically be here to start courses in the Fall term.

Consultation

The proposal does not affect any other faculties or units.

Recommendation

Senate Committee on Admissions approve the Waitlist Management Policy for the Asper School of Business Bachelor of Commerce program effective Fall 2024.

Report of the Senate Committee on Admissions concerning a proposal from the Max Rady College of Medicine to modify the admission requirements for the Undergraduate Medical Education program (2023.10.24)

Preamble:

1. The terms of reference for this committee can be found at: http://umanitoba.ca/admin/governance/governing_documents/governance/sen_committees/490.htm.
2. The Max Rady College of Medicine is proposing a modification to the Undergraduate Medical Education (UGME) program admission requirements. The proposed change is to the Indigenous course academic requirement. Applicants will be required to satisfy the requirement; however, for the purpose of admission a course that meets all criteria except for the “emphasis on communities local to Manitoba” aspect will still be accepted.
3. The proposal and was approved by the Max Rady College of Medicine Executive Council on October 5th, 2023, and was endorsed by SCADM on October 24th, 2023.

Observations:

1. When the initial proposal to introduce an Indigenous course academic requirement was approved by Senate in 2022, the criteria to satisfy the Faculty of Arts Indigenous course content was not fully developed. Once the criteria was finalized, this challenge was discovered which has necessitated the need to modify the UGME requirement.
2. If this change is not made the out of province applicant pool would be depleted as applicants studying in other provinces would be able to complete a course that fulfills all aspects of the Indigenous course content requirement; however, these out of province courses would not contain Manitoba specific content.
3. The UGME curriculum addresses the emphasis on communities local to Manitoba aspect so students who are admitted based on a course that has not yet addressed this content will receive this component during their studies.

Recommendation:

The Senate Committee on Admissions recommends that the proposal to modify the admission requirements for the Undergraduate Medical Education program be approved effective for the fall 2025 intake.

Comments of the Senate Executive Committee:
The Senate Executive Committee Endorses the Report to Senate.

Respectfully submitted
Laurie Schnarr, Chair, Senate Committee on Admissions



MEMORANDUM

DATE: October 10, 2023

TO: Mr. Jeff Adams, Executive Director, Enrolment Services

FROM: Dr. Sara Goulet, Associate Dean, Admissions, Max Rady College of Medicine 

RE: Indigenous course academic requirement amendment for consideration by the Senate Committee on Admissions:

The Admissions Committee of the Undergraduate Medical Education (UGME) Program, Max Rady College of Medicine, is seeking the support of the Senate Committee on Admissions (SCADM) to amend the Indigenous course academic requirement for admissions into the UGME program.

The Admissions Committee of the Max Rady College of Medicine is proposing an amendment to the existing Indigenous course academic requirement as follows:

From: (current wording): All applicants must complete a 3-credit hour university level Indigenous course that satisfies the Faculty of Arts Indigenous course content requirement with a minimum grade of C.

To: (proposed wording amendment): All applicants must complete a 3-credit hour university level Indigenous course that satisfies the Faculty of Arts Indigenous course content, with the exclusion of the emphasis on communities local to Manitoba requirement, with a minimum grade of C.

These recommendations were passed by the Admissions Committee on September 20, 2023. The recommendations were subsequently presented and accepted by the Max Rady College of Medicine College Executive Council on October 5, 2023

Description of Change

Observations:

On June 28, 2022 the Senate Committee on Admissions (SCADM) endorsed a proposal from the Max Rady College of Medicine to modify the admission requirements for the Undergraduate Medical Education (UGME) program. This proposal included the introduction of a 3-credit hour Indigenous course prerequisite that requires that all applicants complete a 3-credit hour university-level course that satisfies the Faculty of Arts Indigenous course content requirement with a minimum grade of C.

The UGME Admissions Committee deliberated the change in academic requirement in consultation with Undergraduate Admissions, Enrolment Services, the Department of Indigenous Studies, the Faculty of Arts, and the Faculty of Sciences. This requirement becomes effective for the 2025-2026 UGME application cycle.

At the time that the proposal was endorsed by SCADM in June of 2022, the criteria to satisfy the Faculty of Arts Indigenous course content or 'I' designation was not fully developed. Since then, the Faculty of Arts has stated:

“Courses that satisfy the “I” requirement must provide a broad view of the histories, treaties, rights, legal status, cultures and Indigenous Knowledge of the Indigenous peoples of North America with an emphasis on communities local to Manitoba.”

Courses must contain Manitoba content to receive the 'I' designation and be included on the approved Faculty of Arts Indigenous course content requirement list. Refer to Appendix A: Indigenous Course Content Requirement List - [Undergraduate Academic Calendar chapter for the Faculty of Arts Faculty Academic Regulations](#)

The College of Medicine has a large percentage of students studying outside of Manitoba where the Indigenous courses completed at other institutions will be missing the Manitoba content. Despite potentially meeting all other outcomes required for the Faculty of Arts Indigenous content requirement, in lacking the Manitoba aspect of the course requirement, these out of province courses will be excluded from receiving the Faculty of Arts 'I' designation. This will result in out of province learners being excluded from applying to our UGME program.

To ensure that out of province applicants retain the opportunity to apply to our UGME program, we are proposing a modification to the UGME Indigenous course content requirement to state that students must meet all the outcomes in the Faculty of Arts Indigenous course requirement, except for the Manitoba content criteria. As the College of Medicine currently has Manitoba content embedded within its Indigenous Health Curriculum, learners accepted into the program will still maintain the opportunity to gain this valuable course content.

A) Revision of Academic Admissions Requirement to the UGME Program

Current Eligibility Requirements:

All applicants must complete a 3-credit hour university level Indigenous course that satisfies the Faculty of Arts Indigenous course content requirement with a minimum grade of C. The current list of courses is found in the [Undergraduate Academic Calendar chapter for the Faculty of Arts Faculty Academic Regulations](#)

Proposed Eligibility Requirements:

All applicants must complete a 3-credit hour university level Indigenous course that satisfies the Faculty of Arts Indigenous course content requirement, *with the exclusion of the emphasis on communities local to Manitoba requirement*, with a minimum grade of C. The current list of courses is found in the [Undergraduate Academic Calendar chapter for the Faculty of Arts Faculty Academic Regulations](#)

Consultation with other Faculties:

Faculty of Arts

The Admissions Committee has deliberated this amendment to the Indigenous course content academic requirement in consultation with the Faculty of Arts Indigenous Content Committee. Refer to Appendix B: Letter of Support from the Faculty of Arts dated, October 5, 2023.

Recommendations:

The Admissions Committee of the Max Rady College of Medicine recommends the following academic requirement changes for consideration by the Senate Committee on Admissions:

From: *All applicants must complete a 3-credit hour university level Indigenous course that satisfies the Faculty of Arts Indigenous course content requirement with a minimum grade of C.*

To: *All applicants must complete a 3-credit hour university level Indigenous course that satisfies the Faculty of Arts Indigenous course content, with the exclusion of the emphasis on communities local to Manitoba requirement, with a minimum grade of C.*

All changes are to come into effect for the 2025-26 application cycle. Applications open in August 2024, with matriculation in August 2025.

These recommendations were passed by the Admissions Committee on September 20, 2023. The recommendations were subsequently presented and accepted by the Max Rady College of Medicine College Executive Council on October 5, 2023



**University
of Manitoba**

Faculty of Arts

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October 5, 2023

Dear Professor Spence,

Please accept this letter as support from the Faculty of Arts for the proposed change to your proposal for the Indigenous Course Pre-requisite for Undergraduate Medical Education for SCADM. The change in question is to wording regarding the required Manitoba content aspect for 'I' designated courses. The specific change we are supporting is as follows:

From: (original wording): *All applicants must complete a 3-credit hour university level Indigenous course that satisfies the Faculty of Art's Indigenous course content requirement with a minimum grade of C.*

To: (proposed amendment): *All applicants must complete a 3-credit hour university level Indigenous course that satisfies the Faculty of Art's Indigenous course content, **excluding the Manitoba content requirement**, with a minimum grade of C.*

Please let me know if you have any questions.

Sincerely,

Heidi Marx

Report of the Senate Committee on Instruction and Evaluation RE: Procedure on Student Reflections on Instruction and Courses

Preamble:

1. The terms of reference for the Senate Committee on Instruction and Evaluation (SCIE) can be found at:
https://www.umanitoba.ca/governance/sites/governance/files/2021-09/Senate_Committee_on_Instruction_and_Evaluation_Terms_of_Reference.pdf
2. At its meeting on October 12, 2023 SCIE considered a proposal from the Vice-Provost (Teaching and Learning) to establish a procedure for Student Reflections on Instruction and Courses (SRI).

Observations:

1. The revised instrument for Student Ratings of Instruction (SRI) was approved by Senate at a meeting on May 13, 2020. At this same meeting, the *Final Report and Recommendations, Teaching and Course Evaluation Review Sub-Committee* was referred back to the committee for further consideration.
2. At a meeting on September 17, 2020, the committee agreed that further work on the recommendations was required, and that it was important to involve UMFA in the evolution of the recommendations.
3. The committee reviewed a draft of the procedure at a meeting on February 17, 2022 and provided feedback with regard to language indicating multifaceted approaches and a methodology for the treatment of inappropriate written comments from students.
4. Feedback was also sought from UMFA, Dean's Council, SRI Coordinators, Staff Relations, Office of Legal Counsel, and the Vice-Provost (Academic Affairs).
5. The proposed Procedure provides guidance on the operationalization of SRI, including the use of and evaluation of results.
6. The proposed Procedure also outlines the responsibilities of Students, the individual Academic Staff Member, Academic Administrators, Senior Academic Administrators, and Support Staff.
7. Recommendations from the committee have been incorporated into the attached proposed Procedure, including the following:
 - a) Adding reference to the *Respectful Work and Learning Environment Policy* and *Sexual Violence Policy* to section 2.15 and adding reference to section 2.10 in section 2.15 to emphasize that students are responsible for ensuring comments are respectful and appropriate, and that student identifying information may be brought

forward if there are concerns of potential misconduct by the student.

- b) Adding reference to sections 2.10 and 2.15 to Appendix A, to reinforce the student's responsibility for ensuring their comments are respectful and appropriate.
- c) Changes to the language used in Appendix A, removing the term Civility and replacing it with the terms Openness and Respect.
- d) Noting that quantitative data would be handled in accordance with the UM Records Management Policy and associated procedures.

Recommendation

THAT Senate approve the Procedure on Student Reflections on Instruction and Courses.

Respectfully submitted,

Dr. Mark Torchia, Chair
Senate Committee on Instruction and Evaluation

Comments of the Senate Executive Committee:
The Senate Executive Committee Endorses the Report to Senate.

UNIVERSITY OF MANITOBA PROCEDURE

Procedure:	Student Reflections on Instruction and Courses (SRI)
Parent Policy	Teaching Evaluation
Effective Date:	XXX
Revised Date:	
Review Date:	XXX
Approving Body:	Provost and Vice-President (Academic)
Authority:	<i>Teaching Evaluation Policy</i> , section 4.1 <i>The Provost and Vice-President (Academic) Procedure</i> , section 2.2
Responsible Executive Officer:	Provost and Vice-President (Academic)
Delegate:	Vice-Provost (Teaching and Learning)
Contact:	Vice-Provost (Teaching and Learning)
Application:	Academic Staff, Academic Administrators, Senior Academic Administrators, Students

Part 1 Reason for Procedure

- 1.1 The purpose of this Procedure is to identify the operation, use, and evaluation of results relating to the Student Reflections on Instructors and Courses (SRI).
- 1.2 Data from SRI are intended to be used to improve the learning environment of the University. It is intended to be a reflection of students' experiences with an instructor or a course. It is not intended to be the sole measure of evaluation of teaching at the University of Manitoba. Evaluation of teaching at the University will be multifaceted and include multiple methods of assessing teaching.
- 1.3 The responsibilities related to the operation and use of SRI rests with students, the individual Academic Staff member, Academic Administrators, Senior

Academic Administrators, and Support Staff. There are collective responsibilities to be exercised at the Unit level and University level.

- 1.4 This Procedure will identify and differentiate the responsibilities and discharge of responsibilities at the individual, unit, and institutional levels.

Part 2 Procedure Content

Definitions

- 2.1 The following terms are defined for the purpose of this Procedures:

- (a) **"Academic Administrator(s)"** refers to the senior academic administrative positions having direct management authority over a Unit and the primary responsibility for the management functions of planning, directing, controlling and evaluating a large group of the University's resources within that Unit, including people, budgets and facilities. This category includes, without limitation, a dean, director, associate dean, assistant dean, chair or head of department, insofar as they perform managerial duties.
- (b) **"Academic Staff"** refers to all individuals whose primary assignment is instruction, research, and/or service/academic administration. This includes employees who hold an academic rank such as professor, associate professor, assistant professor, instructor, lecturer, librarian, or the equivalent of any of those academic ranks. This category also includes a dean, director, associate dean, assistant dean, chair or head of department, visiting scholars, senior scholars, and those holding unpaid academic appointments, insofar as they perform instructional, research, and/or service/academic administrative duties.
- (c) **"CATL"** – Centre for the Advancement of Teaching and Learning.
- (d) **"Course"** course of study that is normally recognized for credit toward the granting of an approved degree.
- (e) **"Formative Evaluation"** means evaluation that provides helpful feedback to Academic Staff by identifying teaching strengths and weaknesses and, in so doing, giving guidance for the improvement or refinement of teaching skills.
- (f) **"Learning Environment"** comprises the psychological, social, cultural and physical setting in which learning occurs.
- (g) **"Policy"** means the Teaching Evaluation Policy.
- (h) **"Procedure"** means this Teaching Evaluation Procedure.

- (i) **“Senior Academic Administrator”** refers to an individual who holds an appointment as an “Academic Staff Excluded from Bargaining Units as Members of the Executive Group”, as identified in the Employee Organizations and Employment Groups Procedure, including the Provost and Vice-President (Academic) and the Vice-Provosts.
- (j) **“Spanned Course”** refers to a single course that takes place across consecutive terms.
- (k) **“SRI Coordinator”** refers to the individual designated by a Unit to coordinate SRI process compliance for the Unit.
- (l) **“SRI System”** refers to the digital system, managed by CATL, for the distribution and collection of SRIs.
- (m) **“Student”** or **“Students”** refer to any person or group of people registered as a student at the University of Manitoba.
- (n) **“Student Reflections of Instruction”** or **“SRI”** refers to the instrument approved by Senate used for the purpose of gathering quantitative and qualitative feedback from students related to individual courses and Academic Staff.
- (o) **“Unit”** refers to a department, centre, institute, college, faculty, school, or other academic division to which Academic Staff is assigned to teach Students.
- (p) **“University”** refers to the University of Manitoba.

Operationalization of SRI

- 2.2 Each Unit shall designate an individual to act as SRI Coordinator for their Unit.
- 2.3 SRI Coordinators will ensure that all course and instructor information is entered into the UM SRI System for each course taught within their Unit according to the timeline established by the SRI system for each term. Such information must be entered regardless of the number of registered students in the course, unless an exception has been approved by the Provost and Vice-President (Academic).
- 2.4 Academic Staff are responsible for ensuring timely submission of any question personalization of SRIs. Academic Staff must complete this personalization no later than 2 weeks before the last class of the term or, where the Academic Staff are assigned to a Spanned Course, no later than 2 weeks before the last class of the last term of the Spanned Course. Where courses span less than 19 days, Academic Staff must complete this personalization no later than 7 calendar days before the last class.

- 2.5 SRI will be distributed digitally to students a minimum of 8 calendar days before the last class of the term. Where Academic Staff are assigned to a Spanned Course, SRI will be distributed digitally to students a minimum of 8 calendar days before the last class in the last term of the Spanned Course.
- 2.6 Academic Staff must set aside a specific time of no less than 15 minutes, during class, for completion of the SRI. This time may be allotted in any class from the date of distribution of the SRI until the second-last class of the term. This time must not be during the last class of the term.
- 2.7 Student completion of SRI is voluntary. The completion of the SRI shall not be tied to course assessments, receipt of final grades, or other incentives, or punitive actions for non-completion. Participating Students shall complete the SRI with due responsibility in accordance with section 2.15 of this Procedure.
- 2.8 The SRI will be collected for team-taught courses and will allow Students to provide reflections on the course and the individual Academic Staff assigned to teach the course unless an exception has been approved by the Provost and Vice-President (Academic). Modifications to SRIs for team-taught courses may be considered.
- 2.9 SRI results will be provided digitally to Academic Staff and associated Academic Administrators within 6 weeks of the end of the previous term exam period unless an exception has been approved by the Provost and Vice-President (Academic). Reports will include frequencies of response for all questions and the individual Student comments. No report will be generated unless the cumulative number of students enrolled in the course reaches six to ensure a level of anonymity.
- 2.10 Student qualitative responses will be provided in an anonymous fashion for the Academic Staff's personal use and information, consistent with applicable policy and/or collective agreement. The qualitative response data will not be retained beyond 12 months of the end of each term by the University unless the comments identify concerns regarding potential misconduct by the student, by the Academic Staff, or by others within the University Community. In such instances, the Academic Administrator will contact the Vice-Provost (Teaching & Learning) to request identifying information solely related to instances of misconduct and the University will investigate the concern in accordance with the University's applicable policies and collective agreements.
- 2.11 Quantitative data of SRI core questions for individual Academic Staff and courses (single term and aggregated for a maximum of five years) will be provided to Academic Staff, Academic Administrators, and Students through a secure portal. This information will be available to Academic Staff and Academic Administrators in accordance with section 2.9 of this Procedure. Quantitative data will be retained according to the UM Records Management Policy and associated Procedures. This information will only be available to Students beginning one term after the collection term (i.e., Fall term data will only be

available to students the following Summer term), subject to section 2.12 of this Procedure.

- 2.12 Academic Staff may opt out, on a per term basis, of having their quantitative data under section 2.11 displayed to Students. A request for opting out must be made (request form available at: SRI [XXX link](#)) within 6 weeks of the distribution of the SRI reports.

Use of SRI for formative purposes

- 2.13 Academic Administrators will meet with Academic Staff to review reports received under section 2.9 of this Procedure at least annually with Academic Staff holding term appointments or probationary appointments, and triennially with all other Academic Staff. The purpose of these reviews will be to provide one source of feedback to Academic Staff in accordance with section 2.2 of the Policy.
- 2.14 The University will continue to support education programming focused on the development and improvement of teaching and learning, and its efforts to enhance the scholarship of teaching and learning.

Responsibilities

- 2.15 When Students participate in reflections of teaching by completing the SRI, they are responsible for ensuring comments are respectful and appropriate (see Respectful Work and Learning Environment Policy and the Sexual Violence Policy). Instances of misconduct related to student comments will be investigated in accordance with the University's applicable policies and collective agreements (see section 2.10) The comments are for the purpose of providing Formative Evaluation and of individual courses and Academic Staff with the view to improving the work and learning environment.
- 2.16 Academic Staff are responsible for:
- (a) Familiarizing themselves with the policies and procedures related to SRI, which could include engaging the CATL supports on how Academic Staff can use SRI data to identify areas of strengths and areas to inform course development and teaching practice.
 - (b) Ensuring that question personalization is incorporated into the SRI for their course in accordance with section 2.4 of this Procedure.
 - (c) Informing students about the use of SRI and the student responsibilities; and
 - (d) Setting aside class time for Students to complete SRIs in accordance with section 2.6 of this Procedure.
- 2.17 Academic Administrators are responsible for:

- (a) Assigning an SRI Coordinator for their Unit to coordinate the operationalization of SRIs for the Unit in accordance with this Procedure.
 - (b) Participating biennially in the designated workshop offered through CATL relating to interpretation of SRI results and the consideration of possible bias;
 - (c) Meeting with Academic Staff in accordance with section 2.13 of this Procedure.
 - (d) Ensuring that all Academic Staff are given the opportunity to opt-out of their SRI data being released to the students in accordance with section 2.12 of this Procedure.
 - (e) Following up on SRI reports from which were derived suggestions for positive change related to course (re)development or teaching, in accordance with section 2.2 of the Policy.
- 2.18 The Provost and Vice-President (Academic), or designate, is responsible for:
- (a) Providing support through CATL for:
 - (i) SRI distribution and collection,
 - (ii) Support in interpretation of SRI results and addressing potential issues of bias; and
 - (iii) Professional development for Academic Administrators and Academic Staff.
 - (b) Reporting annually to Senate on SRI including, but not limited to, student response rates, operational concerns, aggregated SRI data across units and the University.
 - (c) Supporting a central repository of information about SRI which contains such things as policy, procedures, available historical information, best practice guidelines, etc.

Part 3 Accountability

- 3.1 The Office of Legal Counsel is responsible for advising the Provost and Vice-President (Academic) that a formal review of this Procedure is required.
- 3.2 The Provost and Vice-President (Academic) is responsible for the implementation, administration and review of this Procedure.

- 3.3 Academic Staff, Students, Academic Administrators, and Senior Academic Administrators are responsible for complying with this Procedure.

Part 4 Review

- 4.1 Governing Document reviews shall be conducted every **five (5) years**. The next scheduled review date for this Procedure is **XXX, 20XX**
- 4.2 In the interim, this Procedure may be revised or repealed if:
- (a) the Provost and Vice-President (Academic) or the Approving Body deems it necessary or desirable to do so;
 - (b) the Procedure is no longer legislatively or statutorily compliant;
 - (c) the Procedure is now in conflict with another Governing Document; and/or
 - (d) the Parent Policy is revised or repealed.

Part 5 Effect on Previous Statements

- 5.1 This Procedure supersedes all of the following:
- (a) None.

Part 6 Cross References

- 6.1 This Procedure should be cross referenced to the following relevant Governing Documents, legislation and/or forms:
- (a) [Employee Organizations and Employment Groups Procedure](#);
 - (b) [Teaching Evaluation Policy](#);
 - (c) [Accessibility Policy](#);
 - (d) [Student Accessibility Procedure](#);
 - (e) [Student Discipline Bylaw](#);
 - (f) [Collective Agreements \(various\)](#).

Appendix A

Proposed Information for Distribution to Students for each SRI Release

YOUR VOICE MATTERS - For this survey to be as comprehensive as possible, the University of Manitoba would appreciate receiving your input. The results are used as one component of a multi-faceted approach to the evaluation of teaching and learning, therefore, they contribute to your instructor's ability to identify areas of strengths and areas to inform course development and teaching practice.

OPENNESS and RESPECT - These are shared norms in our work and learning environment and we encourage a healthy exchange of ideas and perspectives (see section [2.10](#) and [2.15](#)). Feedback should be provided in a manner that reflects our commitment to collegiality and inclusivity, while acknowledging that we all have unique and particular needs within this environment.

BIAS AWARENESS - Please be aware of biases that you may hold and make an effort to resist stereotypes about particular identities and groups of people (related to perceived race, gender, age, religion, ability, sexual orientation, and/or ethnicity of the instructor).

WHAT WE WANT TO HEAR - Please provide specific feedback on your experience in the comment section as appropriate. The most helpful feedback is actionable, thoughtful, and concrete. Focus on your experiences with term work, course resources, and other instructional materials and not on personal characteristics such as the course instructor's appearance or speaking style.

ANONYMITY - Students' anonymity will normally be protected. Summary results will be made available to instructors only after grades are finalized. If you are concerned about the anonymity of any typewritten comments, those may be also provided directly to the Department Head, Director, or Dean noting the course number, section and name of the instructor. Please be aware, however, that the University may be required to intervene and access your SRI information based upon assessment of potentially threatening or harmful comments.

ABOUT THE RESULTS - The numerical SRI Report for the standard questions listed below will be available to you for the sole purpose of providing information for future course selections.

(From, University of Alberta, Appendix A - Student Perspectives of Teaching (STOP) Survey (March 22, 2022, with permission.)

Appendix B

SRI Core Questions

Question Category	Question Level	Question
Single-selection response options: 1 (Not at All), 2 (Somewhat), 3 (Moderately), 4 (Mostly), 5 (A Great Deal)		
Core	Course	I found the course intellectually stimulating.
Core	Course	The course provided me with a deeper understanding of the subject matter.
Core	Instructor	The instructor created a course atmosphere that was conducive to my learning.
Core	Course	Course projects, assignments, tests, and/or exams improved my understanding of the course material.
Core	Course	Course projects, assignments, tests, and/or exams provided opportunity for me to demonstrate an understanding of the course material.
Single-selection response options: 1 (Poor), 2 (Fair), 3 (Good), 4 (Very Good), 5 (Excellent)		
Core	Course	Overall, the quality of my learning experience in this course was . . .
Core	Instructor	Overall, the quality of my learning experience with this instructor was . . .
Open-ended		
Core	Instructor	What did this instructor do to facilitate my learning within this course?
Core	Instructor	How might this instructor improve this course?

October 12, 2023

Report of the Senate Committee on Instruction and Evaluation RE: Modification of Co-operative Education and Industrial Internship Program Regulations, Price Faculty of Engineering

Preamble:

1. The terms of reference for the Senate Committee on Instruction and Evaluation (SCIE) can be found at:
https://www.umanitoba.ca/governance/sites/governance/files/2021-09/Senate_Committee_on_Instruction_and_Evaluation_Terms_of_Reference.pdf
2. At its meeting on October 12, 2023 SCIE considered a proposal from the Price Faculty of Engineering to modify its Co-operative Education and Industrial Internship Program Regulations.
3. The proposal was endorsed by the Engineering Faculty Council at its September 6, 2023 meeting.

Observations:

1. The Faculty is proposing to remove the cap of 90 credit hours for eligibility to apply for the Co-operative Education and Industrial Internship programs.
2. The credit hour cap was intended to encourage students to make a decision about participating in co-operative education early in their program, however, it proved to be an unnecessary barrier to these programs.
3. The Faculty is confident that they can accommodate increases in enrollment in the Co-operative Education and Industrial Internship programs that may result from the removal of the credit hour cap. In addition to any work term placements available through the Faculty, students are also able to seek out their own placements.
4. The Faculty is proposing that students in these programs be required to return for one academic term after their final work term placement.

Recommendation

The Senate Committee on Instruction and Evaluation recommends:

THAT Senate approve the modification of Co-operative Education and Industrial Internship Program Regulations, Price Faculty of Engineering, effective September 1, 2024.

Respectfully submitted,

Dr. Mark Torchia, Chair
Senate Committee on Instruction and Evaluation

Comments of the Senate Executive Committee:
The Senate Executive Committee Endorses the
Report to Senate.



UM

Office of the Dean
Price Faculty of Engineering

E2-290 EITC
75A Chancellor Circle
University of Manitoba
Winnipeg, Manitoba
Canada R3T 5V6
T: 204 474 9809

6 September 2023

Mr. Jeff LeClerc
University Secretary
Office of the University Secretary
Room 312 Administration Building

Dear Mr. LeClerc:

Please be advised that at its meeting on Wednesday, 6 September 2023, Engineering Faculty Council approved the attached modifications to courses and programs with no resource implication. All documentation is enclosed.

Please contact me if you have any questions.

Sincerely,

Marcia Friesen, Ph.D., P.Eng.
Professor and Dean

MF/jt

Attachs.

Copy: Dr. D. McNeill, Chair, ARCC

Co-operative Education and Industrial Internship Programs

Contact and Program Information

Director: Carolyn Geddert, P.Eng., Engineer-in-Residence

Tel. 204 474 8948

Email: carolyn.geddert@umanitoba.ca

Cooperative Education Administrator: Megan Johnson

Tel. 204 480 1069

Email: megan.johnson@umanitoba.ca

The Price Faculty of Engineering offers a Co-operative education and Industrial Internship Program (Co-op/IIP) designed to complement and enrich the academic program with work experience. The work terms provide students with practical experience, assistance in financing their education, and guidance for future career specialization.

Applications are accepted for Co-op/IIP every fall. Co-op/IIP supports the application and participation of all students who meet the requirements and wish to apply. Application to Co-op/IIP is a process. The Co-op/IIP Office will work with you. Please connect with our staff via email: engineeringcoop@umanitoba.ca and refer to the [web site](#) for the benefits of Co-op/IIP.

Successful applicants to Co-op/IIP have:

- Attended an information session.
- Been accepted as an undergraduate student into an Engineering Department.
- Completed all 13 ~~first-year~~ **Preliminary Engineering Program** courses before their first work term.
- Completed 42 ~~but not more than 90~~ credit hours towards their degree by the end of the Fall term.

Students must return for at least one academic term following the completion of their final work term placement. ~~(This~~ **Application early in a student's degree program** will support the completion of 3 work terms.)

- Been assessed as in Good Academic standing (GPA above 2.0). I.E. not on Probation or academic warning.
- Agree to follow all rules and regulations of the program as detailed in the Rules and Regulations.

In addition to students following regular departmental programs, Internationally Educated Engineers Qualification (IEEQ) Program participants may also be approved for participation in Co-op/IIP upon written approval of the IEEQ Director.

Work placements must be confirmed to be appropriate by the Co-op/IIP office in order to be credited as a Co-op/IIP work term.

Upon securing a job placement, Engineering students enrol in the course ENG 4800, Engineering Cooperative Education Work Term 1 and subsequently the specific work term of employment ENG 4810, ENG 4820, ENG 4830, ENG 4840.

Students who are unable to maintain the standards of the Co-op/IIP will be transferred back into the regular program.

The course and grade requirements for completion of the Co-op/IIP are the same as those required for the regular program. However, in order to satisfy course prerequisite requirements, timetables may differ from the regular program. Co-op/IIP students are evaluated in the same manner as regular students and all rules and regulations of the Faculty of Engineering apply.

Students who are placed on Academic Warning or Academic Probation may either be removed from Co-op/IIP or have their acceptance deferred until they have completed two consecutive terms with an Academic Standing of "Satisfactory".

Students who are Required to Withdraw will immediately become ineligible for Co-op/IIP and will remain ineligible after re-instatement to the Faculty of Engineering.

Written reports must be completed at the end of each four month work term. Each successfully completed four month work term and its corresponding report receives a Pass/Fail grade and is rated at one credit hour. Graduates who successfully complete at least three four-month work terms (12 months total) and the required work term reports will have the Co-operative Education Option acknowledged on their B.Sc. graduation parchment.

For more information regarding the Co-op/IIP rules, benefits, regulations and requirements, please refer to the web site.

<https://umanitoba.ca/engineering/co-operative-education>

October 12, 2023

Report of the Senate Committee on Instruction and Evaluation RE: Revised Graduation Regulations, Bachelor of Science (Major) in Physics and Astronomy, Faculty of Science

Preamble:

1. The terms of reference for the Senate Committee on Instruction and Evaluation (SCIE) can be found at:
https://www.umanitoba.ca/governance/sites/governance/files/2021-09/Senate_Committee_on_Instruction_and_Evaluation_Terms_of_Reference.pdf
2. At its meeting on October 12, 2023 SCIE considered a proposal from the Faculty of Science to revise the graduation requirements of the Bachelor of Science (Major) in Physics and Astronomy.
3. The proposal was endorsed by the Faculty of Science Faculty Council on August 31, 2023.

Observations:

1. The Faculty is proposing that students would be required to achieve a minimum grade of “C” in all required courses and required option courses.
2. The proposed change is consistent with other Major programs in the Faculty and with prerequisite requirements.

Recommendation

The Senate Committee on Instruction and Evaluation recommends:

THAT Senate approve the revised Graduation Requirements, Bachelor of Science (Major) in Physics and Astronomy, Faculty of Science, effective September 1, 2024.

Respectfully submitted,

Dr. Mark Torchia, Chair
Senate Committee on Instruction and Evaluation

Comments of the Senate Executive Committee:
The Senate Executive Committee Endorses the Report to Senate.

Physics and Astronomy, B.Sc. Major

Overview

Physics and Astronomy Four Year Major Entrance, Continuation and Graduation Requirements

The program is intended for students who wish to learn Physics as part of a general education, or combine Physics with other disciplines. There are many options with this degree which might include a career in education, high technology, business, or science journalism. The large number of electives will allow the students to obtain significant background in another field such as Chemistry, Life Sciences, Computer Science, Mathematics, Physical Geography, Geophysics or Geology. In some cases, these can be recognized formally as a minor or part of a double major program.

To enter the four year Major program in Physics and Astronomy, a student must have PHYS 1050 (C+) or PHYS 1020 (B). In addition, students must have satisfied the faculty requirements for entry to the four year Major program. Students are strongly encouraged to complete PHYS 1070 or PHYS 1030 as well as MATH 1300, MATH 1500, and MATH 1700 in Year 1. Not only are they required courses in the Physics and Astronomy programs, these courses are required prerequisites to several required second year Physics and Astronomy courses.

To continue in the Bachelor of Science Major degree, a student must maintain a minimum DGPA of 2.00.

To graduate with a Bachelor of Science (Major) in Physics and Astronomy, a student must obtain a minimum DGPA of 2.00 and a minimum grade of “C” in all required courses and required option courses.

Major Co-operative Option

A co-operative education option is available to Major students. Students should refer to the Co-operative Education for further information on the Co-op programs.

The course and minimum grade requirements for entry and continuation in the Co-operative Option are the same as those required for the regular Major program. However, the entry and continuation DGPA requirement is set at a minimum of 2.5.

November 24, 2023
Report of the Senate Committee on Nominations

Preamble

The terms of reference for the Senate Committee on Nominations may be found on the University Governance website at:

https://umanitoba.ca/governance/sites/governance/files/2021-09/Senate_Committee_on_Nominations_Terms_of_Reference.pdf

The Committee conducted an electronic poll through November 24, 2023 to consider nominations to fill vacancies on the standing committees of Senate.

Observation

Listed below are Senate committees with vacancies to be filled, along with the names of the nominees being proposed, their faculty/school, and the expiry date of their terms. Unless otherwise stated, all terms begin immediately upon Senate approval.

The Committee takes into consideration a number of factors in making its recommendations, including areas of need, recommendations from Committee Chairs, expressions of interest from academic staff members and students, and with a lens on equity, diversity and inclusion. In an effort to increase representation across the standing committees of Senate, the Committee is working to revise its processes for nomination (self or other) and collection and retention of information.

Following the list is the membership list for each of those committees, including the names of the nominees, which have been highlighted.

Recommendations

The Committee recommends to Senate the following list of faculty and student nominees:

COMMITTEE	NOMINEE(S)	FACULTY/ SCHOOL	TERM END DATE
Senate Committee on Instruction and Evaluation	Ricardo Louro Silva	Environment, Earth and Resources	2024.05.31
Joint Senate Committee on Masters Programs	Alejandra Coronel Mengelle (student)	Graduate Studies	2024.05.31
Senate Committee on University Research	Alwyn Gomez (student)	Graduate Studies	2025.05.31
	Md Moniruzzaman (student)	Graduate Studies	2025.05.31

Respectfully submitted,

Professor P. Perkins, Chair
Senate Committee on Nominations

SENATE COMMITTEE ON INSTRUCTION AND EVALUATION

last updated October 4, 2023

Composition	Incumbents	Faculty/School	Term
Provost and Vice-President (Academic) (or designate), Chair	Mark Torchia, designate		<i>Ex-officio</i>
Seven members of the academic staff, at least one of whom shall be a Senator and at least one should be teaching courses in University 1. The seven shall include one Dean or Director, at least one from each of Arts and Science, and at least two from other faculties/schools (one shall be from the Bannatyne Campus)	Reg Urbanowski (S) (Dean)	Health Sciences	2024.05.31
	Trina Arnold	Health Sciences	2024.05.31
	Ricardo Ferreira Louro Silva	Environment, Earth & Resources	2024.05.31
	Erik Thomson	Arts	2025.05.31
	Ankit Doshi I/r for Jitendra Paliwal (S)	Science Agricultural & Food Sciences	2024.06.30 2025.05.31
	Ute Kothe	Science	2025.05.31
	Erin Keating (S)	Arts	2025.05.31
Four students, at least one graduate student	Michael Moore (S)	Health Sciences	2024.05.31
	TBA		2024.05.31
	TBA		2024.05.31
	Armin Aghajani (S)	Graduate Studies	2024.05.31
UMSU President or Vice-President	Tracy Karuhogo (President)		<i>Ex-officio (non-voting)</i>
Dean or Associate Dean, Graduate Studies	Todd Duhamel		<i>Ex-officio (non-voting)</i>
Executive Director, Centre for the Advancement of Teaching and Learning (or designate)	Mark Torchia		<i>Ex-officio (non-voting)</i>
University Registrar or Associate Registrar (or designate)	Jeff Adams, designate Sharon Bannatyne		<i>Ex-officio (non-voting)</i>
Director, Student Advocacy (or designate)	Heather Morris, designate Julia Osso Margolis		<i>Ex-officio (non-voting)</i>
Resource: Marcia Yoshida 474-6166 Terms of Office: three-year terms; students = one-year terms			

JOINT SENATE COMMITTEE ON MASTER'S PROGRAMS

last updated May 8, 2023

Composition	Incumbents	Faculty/School	Term
Three members of the academic staff, of whom one shall be from outside the departments or disciplines participating in JMPs, and the Dean of the Faculty of Graduate Studies (or designate) [University of Manitoba]	Dawn Sutherland, designate	Graduate Studies	<i>Ex-officio</i>
	Sean Byrne	Graduate Studies	2025.05.31
	Richard Jochelson (S)	Law	2025.05.31
	Susan Prentice (S)	Arts	2026.05.31
Three members of the academic staff, of whom one shall be from outside the departments or disciplines participating in JMPs, and the Dean of the Faculty of Graduate Studies (or designate) [University of Winnipeg]	Manish Pandey	Graduate Studies	<i>Ex-officio</i>
	Laura Forsythe	Education	2024.06.30
	Carlos Colorado	Religion	2025.06.30
	Darlene Abreu-Ferreira	History	2026.06.30
Chair to be named by the Presidents of the UofM and UofW, with a tie-casting vote only	Royce Koop	Arts	2024.05.31
One graduate student enrolled in the JMP to be proposed by the GSA and approved by U of M Senate	Alejandra Coronel Mengelle	Graduate Studies	2024.05.31
One graduate student enrolled in the JMP to be proposed by the Chairs of the JMP and approved by U of W Senate	TBA	Graduate Studies	2024.05.31
Resource: Kent Suss U of W 204-786-9797 Andrea Kailer U of M 204-474-7298 Terms of Office: three-year terms; students = one-year terms			

* Normally, each JMP will be represented on the JSC. Should a JMP not be represented on the committee, the Chair of the JMP, or his/her designate, will be invited to attend as a guest member.

** There will normally be a balance of UW and UM faculty members on the JSC.

SENATE COMMITTEE ON UNIVERSITY RESEARCH

last updated October 4, 2023

Composition	Incumbents	Faculty/School	Term
Vice-President (Research and International), Chair	Mario Pinto		<i>Ex-officio</i>
President	Michael Benarroch Michelle Driedger, designate		<i>Ex-officio</i>
Provost and Vice-President (Academic)	Tracey Peter, designate		<i>Ex-officio</i>
Associate Vice-President (Research) Associate Vice-President (Partnerships)	Annemieke Farenhorst Hans-Joachim Weiden		<i>Ex-officio</i>
Dean, Faculty of Graduate Studies	Kelley Main		<i>Ex-officio</i>
Research Grants Officer	Kerrie Hayes, Director of Research Contracts		<i>Ex-officio (non-voting)</i>
Four Deans or Directors representing a range of research activities	Josée Lavoie (S) <i>/lr Robert Hoppa</i>	Health Sciences Arts	2024.05.31 <i>Starts 01.01.24</i>
	Stephan Pflugmacher Lima	Environment, Earth & Resources	2024.05.31
	Martin Scanlon	Agricultural & Food Sciences	2025.05.31
	Brian Mark	Science	2026.05.31
Eight faculty members actively engaged in research and representing a range of research activities, at least two of whom are from the Bannatyne Campus	Samar Safi-Harb	Science	2024.05.31
	David Watt <i>/lr for Warren Cariou</i>	Arts	2023.12.31 2024.05.31
	Jason Leboe-McGowan	Arts	2025.05.31
	Andrew Halayko	Health Sciences	2025.05.31
	Afshin Raouf	Health Sciences	2025.05.31
	Dawn Sutherland	Education	2026.05.31
	Shawn Clark (S)	Engineering	2026.05.31
	Michelle Porter	Kinesiology & Rec. Management	2026.05.31
Two graduate students selected by GSA	Alwyn Gomez	Graduate Studies	2025.05.31
	Md Moniruzzaman	Graduate Studies	2025.05.31
Resource:	Mariam Abdelmessiah	474-7952	
Terms of Office:	three-year terms; students = two-year terms		



University of Manitoba | Office of the President

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DATE: November 27, 2023

TO: Jeff Leclerc, University Secretary

FROM: Michael Benarroch, Ph.D., President and Vice-Chancellor

Diane Hiebert-Murphy, Ph.D., Provost and Vice-President (Academic)

RE: For Consultation - **MOMENTUM: Leading Change Together, University of Manitoba draft Strategic Plan, 2024-2029**

Please find attached 'MOMENTUM: Leading Change Together, University of Manitoba draft Strategic Plan, 2024-2029'. Informed by community consultations, this draft plan is accompanied by an updated mission, vision, and core values, which has directed the Strategic Planning Committee in our ongoing work. Before the Committee presents a final plan to Senate and the Board of Governors for approval, we are seeking community feedback to ensure that it resonates and that the diversity of voices and perspectives that strengthen our community are reflected in our plans to achieve our collective aspirations.

We invite Senators and Board Members to read the draft plan and consider the following:

- Overall, does the tone and direction of the plan resonate?
- Do the updated mission, vision, and core values reflect the UM that you know?
- Do the three fundamental commitments ('Fostering a Vibrant Community', 'Advancing Reconciliation for Transformative Change', and 'Building a Sustainable Future') accurately reflect our collective priorities?
- Do the three interconnected strategic themes ('Creating Knowledge that Matters', 'Empowering Learners', and 'Reimagining Engagement') and accompanying goals provide us with the framework needed to move us forward?

Members are also encouraged to provide feedback on the above through an online feedback form. Details can be found on the UM Strategic Plan website at <https://umanitoba.ca/strategic-plan>.

Accordingly, please place this item on the agenda for the December 6, 2023, Senate meeting and the December 5, 2023, Board of Governors meeting.

Cc: Cassandra Davidson, Academic Planning and Priorities Specialist
Kelsey Evans, Associate Director, Office of the President



University
of Manitoba

MOMENTUM:

LEADING CHANGE TOGETHER

University of Manitoba Draft Strategic Plan, 2024-2029

November 24, 2023

Contents

- 2 Traditional territories acknowledgment
- 3 How we got here
- 4 What guides us
 - Vision
 - Mission
 - Core values
- 6 Where we are going
- 12 How we get there

Traditional territories acknowledgment

The University of Manitoba campuses are located on original lands of Anishinaabeg, Cree, Ojibwe-Cree, Dakota and Dene peoples, and on the National Homeland of the Red River Métis.

We respect the Treaties that were made on these territories, we acknowledge the harms and mistakes of the past, and we dedicate ourselves to move forward in partnership with Indigenous communities in a spirit of Reconciliation and collaboration.

How we got here

Over the past year we have asked ourselves, how can we best come together? How can we inspire each other? How can we build upon the strengths of the University of Manitoba community to gain momentum and move forward our big ideas to solve the pressing issues of today and tomorrow? How can we lead change respectfully?

Phases one and two of the strategic planning process included extensive community consultations of more than 2,300 touch points with faculty, staff, students, alumni, and external partners at in-person and virtual consultation sessions and via an online survey. Through this process, our community expressed that our greatest strength was our people and asked that they be given opportunities to make meaningful contributions, from day-to-day activities, to advancing solutions with positive impact on those around us. We articulated our collective institutional identity and shared aspirations. We worked together to identify what is most important to our community and focused our attention on the issues and spaces in which we want to invest and effect real change.

Our guiding principles began to emerge, and we identified five broad themes in the *Where We Are Today* report, released in May 2023. These themes were refined through feedback from over 110 community members in June and July to ensure that the shared vision accurately reflected the community's aspirations for the coming years and our ability to meet the challenges facing higher education, the province, and our world. What we heard over the course of the consultations was an overwhelming desire to make impactful change and to be responsive to the needs of an increasingly diverse student body and the communities with whom we engage. We also heard how important it is to invest in our faculty, staff, and students, so that together we could lead this change.

With your input and guidance, the Strategic Planning Committee has developed a draft strategic plan that articulates what meaningful change will look like at UM and provides us with the direction needed to achieve our collective goals. The draft plan presented on the following pages defines our shared aspirations to be leaders in this change and recognizes the strong foundations we have built that have helped us get to where we are today.

Accompanying the draft plan are updated mission and vision statements and core values for the University of Manitoba. These have been informed by what we heard during the community consultations and have guided the Committee in its work developing our next strategic plan.

We invite the community to review this draft plan and let us know your thoughts and feedback on whether the tone and direction of the plan resonates and moves forward our shared aspirations.

What guides us

Vision

The University of Manitoba will be a thriving community, strengthened by Indigenous knowledges and perspectives, leading change that makes meaningful impact in our province and wider world.

Mission

Together, we create, share, preserve and apply knowledge in partnership with the diverse communities that contribute to and strengthen the University of Manitoba, for the cultural, social, and economic well-being of the people and communities of Manitoba, Canada, and the world.

As a university located on the original lands of Anishinaabeg, Cree, Ojibwe-Cree, Dakota and Dene peoples, and on the National Homeland of the Red River Métis, we work in collaboration with Indigenous communities to their benefit and in the spirit of Reconciliation, supporting success, and upholding Treaty rights.

Core values

Belonging

We foster trust, acceptance, and mutual respect, rooted in human rights and dignity of all. We are a community that strives to create the conditions for all in our university community to be their authentic selves. We change systems and structures that exclude. We empower success through our dedication to decolonization, Indigenization, and to a campus community that centers equity, accessibility, diversity, inclusion, and, ultimately, belonging.

Curiosity

We value the pursuit of knowledge and uphold academic freedom. We celebrate curiosity and its essential role in learning, research, scholarly work, and creative activity. Our teaching, research, and engagement empowers the creation and dissemination of knowledge in all its forms, including Indigenous knowledges and ways of knowing, as a powerful tool for fostering deeper understanding, creating new connections, and addressing society's most pressing issues.

Impact

We find solutions to important societal, cultural, economic, and environmental issues. We create global citizens through collaboration, inclusivity, empathy, and valuing diverse ways of knowing. We center community relations as we participate in the process of decolonization, and contribute to positive and meaningful change in Manitoba, Canada, and the world.

Integrity

We take tangible actions to keep each other accountable to maintain high ethical standards and ethical stewardship. We have a shared commitment to Reconciliation, human dignity, open dialogue, transparency, and collegial governance.

Well-Being

We advance the personal and professional growth and academic success of our community members. Grounded in an ethos of respect and compassion for each other and our community, we cultivate a supportive environment that embraces the values of mino-pimatisiwin (good life) and mino-ayawin (good health), placing high value on physical, mental, social, emotional, and environmental well-being.

Where we are going

The University of Manitoba, strengthened by Indigenous knowledges and perspectives, is committed to respectfully leading change that makes meaningful impact in our community, province, and wider world.

To guide us as we move forward together, we are informed both by our core mission and by fundamental commitments to fostering a vibrant community, advancing Reconciliation for meaningful change, and building a sustainable future.

FOSTERING A VIBRANT COMMUNITY

We cultivate a community rooted in equity that fosters diversity, human dignity, inclusivity, respect, well-being, and care, while acknowledging and addressing concerns and challenges with underlying structures. We commit to narrowing systemic inequities, removing barriers, and creating the conditions for all to thrive. By upholding the foundational tenet of academic freedom, we foster a vibrant and dynamic intellectual environment that strengthens our community through the free exchange of ideas and pursuit of knowledge.

ADVANCING RECONCILIATION FOR TRANSFORMATIVE CHANGE

We walk together to advance Reconciliation. The University of Manitoba acknowledges and atones for both past and ongoing harms. We take action to change behaviour and move forward to establish and maintain mutually respectful relationships between Indigenous and non-Indigenous Peoples. By addressing root causes of inequities, we work towards social change and a more just and equitable future.

BUILDING A SUSTAINABLE FUTURE

We meet the needs of today without compromising those of future generations. We pursue societal, cultural, economic, and environmental sustainability and address the impacts of climate change through our actions and operations—through ethical decision-making, continuous improvement, and the integration of sustainable practices into everything we do.

Grounded in these fundamental commitments, the 2024-2029 strategic plan is built on three interconnected strategic themes and their accompanying goals: creating knowledge that matters, empowering learners, and reimagining engagement.

CREATING KNOWLEDGE THAT MATTERS

We recognize diverse ways of knowing and acknowledge the value of work across academic disciplines. We celebrate the ideas that emerge, not in isolation, but through connecting as a community. We will advance research, scholarship, and creative pursuits that make an impact on the world around us.

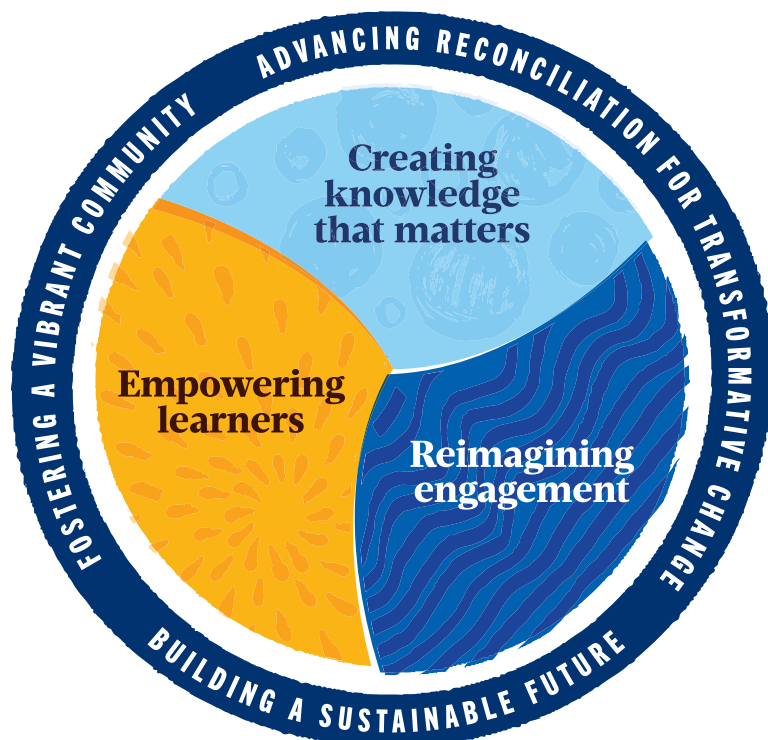
EMPOWERING LEARNERS

We recognize the essential role our institution serves in providing learners with the tools they need to succeed in a changing landscape. We will be more innovative in the delivery of our academic programs and supports, and in our commitment to accessible education, meeting the evolving needs of learners and of an increasingly diverse student body.

REIMAGINING ENGAGEMENT

We succeed as a community by reimagining how we engage—with one another, with our external partners, and with the environment that surrounds us. We will identify and address inequities that exist in our current relationships, systems, and structures to create the conditions required for all to thrive, today and in the future.

These strategic themes centre our collective intentions and provide us with the framework through which we gain momentum and move forward together as an institution.



Creating knowledge that matters

Knowledge, in all its multi-faceted forms, can transform culture, advance understanding, and create positive societal and environmental impact. As the province's largest and most research-intensive university, we lead in responding to emerging issues across diverse disciplines and areas of expertise. We positively impact our communities while amplifying Manitoba's voice on the world stage.

Our commitment to creating knowledge that matters drives ground-breaking research and creative activities. We are ignited by a curiosity to identify, and solve important, complex problems, and promote evidence-based decision making. Strengthened by Indigenous knowledges and research, we bring together different ways of knowing and recognize that knowledge exchange is about building reciprocal relationships. Together, we are positioned to lead change in areas such as social justice, climate action, and the health and well-being of diverse communities. Our leadership extends to scholarly and creative pursuits that advance our understanding of each other and the world around us.

It is important to celebrate and value work across academic disciplines and recognize that knowledge comes in many iterations and forms. To succeed, we need to provide the opportunities and spaces to connect, collaborate, share, and promote meaningful knowledge creation and exchange, in partnership with communities, industry, organizations, and other groups. By building respectful and reciprocal relationships with Indigenous communities, we create opportunities for capacity-building, support self-determination, and advance decolonization.

In leading change, UM will demonstrate advancements in exceptional research, scholarship, and creative activities to create knowledge that matters and that positively impacts the communities with whom we engage. UM will be increasingly sought out for our expertise and recognized for our contributions.

To gain momentum in creating knowledge that matters, UM will:

Inspire knowledge creation by supporting and promoting an environment of excellence.

Through this work, we will:

- Expand initiatives that provide faculty members and staff with opportunities to succeed in their research, scholarship and creative activities.
- Increase opportunities for students to participate in different ways of knowledge creation and exchange as part of their learning experience.
- Foster a diverse community of talented researchers, scholars, and creators, recognizing the value of new perspectives and different ways of knowing.

Identify sustainable and high-impact solutions through increased collaboration and connection across our campuses.

Through this work, we will:

- Encourage strong disciplinary-focused research, scholarly activities, and creative pursuits while also increasing opportunities for inter- and multi-disciplinary endeavors.
- Connect different ways of knowing to identify innovative solutions that address major challenges faced today and tomorrow.
- Identify strengths to elevate UM's expertise on the local, national, and international stage, as informed by the Strategic Research Plan.

Build reciprocal relationships with communities to anticipate and identify solutions to emerging societal, cultural, economic, and environmental needs of Manitoba and beyond.

Through this work, we will:

- Increase investments to support more community-based research and to develop authentic relationships with community partners.
- Foster a reciprocal knowledge exchange network with community partners to work collaboratively on pressing issues.
- Promote UM expertise with communities to encourage the widest-possible use of our knowledge creation.

Empowering learners

Teaching and learning are at the core of the University of Manitoba—we are committed to providing an inspiring, accessible, high-quality education and an exceptional student experience. An experience strengthened by a diversity of communities, voices, worldviews, and ways of knowing. We promote life-long curiosity that allows learners to navigate a complex and rapidly changing world confidently and critically. This curiosity will remain with our learners beyond their time at UM, providing them with the tools they need to realize their aspirations and make meaningful and sustainable contributions.

We recognise and embrace the increasingly diverse learners who choose UM to advance their studies. Indigenous Peoples have been, and continue to be, underrepresented in post-secondary education, and systemic change is needed to increase access to education. We are dedicated to advancing Reconciliation and promoting Indigenous success through Indigenization in our programming and by creating and fostering an inclusive and supportive learning environment. With more newcomers choosing Manitoba as their home, we welcome increasing numbers of first-generation and international students, enriching our institution's diversity of voices and perspectives. Enacting inclusive learning environments will help students to thrive no matter their background, experiences, or aspirations.

We bring the same curiosity and innovation we apply to our research, scholarly activities, and creative pursuits, to our teaching and pedagogy to deliver high-quality and meaningful learning experiences. We identify and offer services and supports that address the changing needs of our student body, and we incorporate sustainable practices into how we teach and learn. We do so by recognizing the value of our faculty and staff in supporting our core mission, providing them with opportunities to collaborate and access to systems and supports they need to be successful in their roles.

In leading change, UM will empower learners through academic learning experiences that meet the needs of an increasingly diverse student body, providing researchers, instructors, and learners with the knowledge and skills they need to achieve their goals.

To gain momentum in empowering learners, UM will:

Respond to changing needs of learners through the creation and advancement of supportive systems for learning and success.

Through this work, we will:

- Continuously reflect on and advance pedagogies that respond to the needs of diverse learners across their lives and careers, including innovative ways of learning and teaching.
- Direct supports and services to students to improve access, recognize diverse needs, and foster success, including supports for Indigenous students and systemically marginalized groups.
- Identify and incorporate flexible and sustainable practices in the delivery of academic programs and courses.

Build sustainable futures for learners by increasing opportunities for innovative and meaningful learning experiences.

Through this work, we will:

- Ensure students are exposed to Indigenous knowledge systems and ways of knowing, and have opportunities to participate in, and benefit from, a variety of learning experiences, including but not limited to experiential learning, work-integrated learning, land-based learning, and community-engaged service learning.
- Increase opportunities for graduate and undergraduate students to connect with, and contribute to, diverse ways of knowledge creation through research, scholarship and creative activities.
- Expand opportunities for students to identify and develop the skills needed to succeed in a changing world.

Foster an exceptional student experience by strengthening teaching and student support services across the university.

Through this work, we will:

- Invest in supports to ensure faculty and staff have the tools needed to adapt to changing learning environments and to continue to provide high-quality learning experiences.
- Develop more initiatives to employ universal design and inclusive teaching methods that accommodate people with disabilities, varied learning styles, and diverse lived experiences.
- Increase opportunities for faculty and staff to collaborate on shared work to improve student success.

Reimagining engagement

Community is the heart of our institution—each of us bringing our unique perspectives and diverse experiences. To lead change and succeed, we need to reimagine how we engage with one another.

This begins with creating an environment in which there is a greater sense of collegiality, trust, integrity, collaboration, and shared opportunities. To advance well-being and belonging among faculty, staff, and students, and create conditions in which we can thrive, we work to dismantle all forms of oppression and advance decolonization by addressing inequities in our systems, policies, culture, and structures, and upholding human rights.

Engagement does not stop at the boundaries of our campuses and must include surrounding communities, alumni, industry, and other partners with whom we interact.

We engage through our academic programs, our research, and our community outreach. We centre authentic and reciprocal relationships to pursue innovative solutions together. We welcome surrounding communities to our campuses as a destination for the arts, culture, and sport.

We understand that engagement also extends to our interaction with the physical environment around us, from taking action to counter the impacts of climate change to redefining our spaces. We commit to sustainable practices that preserve and protect our environment, promote stewardship for the benefit of current and future generations, and take climate action. We recognize that physical and digital space is vital to well-being, and we commit to redefining and reimagining our spaces to inspire, to create a sense of belonging, and to reflect the diverse needs of our community.

In leading change, UM will be an institution of choice to learn, create, work and play. In reimagining engagement, we will connect and thrive as a community for today and tomorrow.

To gain momentum in reimagining engagement, UM will:

Advance social justice through centering decolonization in institutional transformation and through dismantling systemic and structural inequities.

Through this work, we will:

- Foster a community environment that encourages full participation of systemically marginalized groups.
- Update academic and institutional policies to advance equity, accessibility, diversity and inclusion in academic programming, the workplace, and in community life.
- Become a preferred destination for Indigenous faculty, staff, and students, informed by institutional Reconciliation action plans.

Strengthen and build relationships through meaningful and authentic engagement.

Through this work, we will:

- Improve conditions and connections across our campuses that empower staff, students, and faculty to thrive and succeed by creating a culture of belonging, well-being, and inclusion.
- Increase opportunities for external partnerships and connections, expanding our impact across our province, including in rural, northern, and Indigenous communities, and becoming the university for Manitoba.
- Become a destination by welcoming more visitors to our campuses through community events and programming.

Achieve sustainability targets through community decision-making processes and institutional initiatives.

Through this work, we will:

- Build sustainable campuses designed to facilitate community building and community life, both for today and tomorrow.
- Reduce waste and greenhouse gas emissions to reach sustainability goals informed by our Climate Action Plan.
- Increase opportunities for faculty, staff, and students to engage in sustainability initiatives, through learning experiences, research, and community programming to advance the United Nation's Sustainable Development Goals, locally and nationally.

How we get there

Next steps—gaining momentum:

The University of Manitoba moves forward not only in making change, but in leading change. The next steps in the process will be to identify how we will meet the goals outlined in this draft plan, directed by our strategic themes, and focused by our fundamental commitments.

Following this round of community feedback, the Strategic Planning Committee will take what we heard to finalize the strategic plan to present to Senate and the Board of Governors for approval.

Once approved, a Strategic Plan Implementation Committee will be formed, led by the Provost and Vice-President (Academic), and including representatives from faculty, staff, and students. This new committee will be tasked with identifying the actions and initiatives we will take to implement the plan and gauge success moving forward, while remaining flexible and responsive to changing needs of the world around us. This will involve further engagement and consultation with our community to identify what actions will be taken across the institution to move the plan forward.

Thank you for taking the time to participate in this important process. We look forward to receiving your feedback on the draft strategic plan.

Together, we will use this plan to gain momentum and respectfully lead change together to shape a brighter future for all.

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