

Senate  
Senate Chamber  
Room E3-262 Engineering Building  
WEDNESDAY, May 18, 2011  
1:30 p.m.  
Regrets call 474-6892

## **A G E N D A**

### **I      CANDIDATES FOR DEGREES, DIPLOMAS AND CERTIFICATES - MAY 2011**

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This report will be available at the Senate meeting. A copy of the list of graduands will be kept at the front table for examination by members of Senate.

### **II      REPORT ON MEDALS AND PRIZES TO BE AWARDED AT THE SPRING CONVOCATION**

This report will be available at the front table in the Senate Chamber for examination by members of Senate.

### **III     MATTERS TO BE CONSIDERED IN CLOSED SESSION**

#### **1.      Report of the Senate Committee on Honorary Degrees**

This report will be distributed to members of Senate at the meeting.  
Documentation will be available for examination by eligible members of Senate the day preceding the Senate meeting.

### **IV      ELECTION OF SENATE REPRESENTATIVES**

#### **1.      To the Board of Governors**

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#### **2.      To the Senate Executive Committee**

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#### **3.      Election of a Student Member to the Senate Executive Committee**

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### **V      MATTERS RECOMMENDED FOR CONCURRENCE WITHOUT DEBATE**

#### **1.      Report of the Senate Committee on Curriculum and Course Changes – Part A**

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6.	<u><i>In Memoriam: Dr. Marek Debicki</i></u>	Page 120

**VII REPORT OF THE PRESIDENT**

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**VIII QUESTION PERIOD**

Senators are reminded that questions shall normally be submitted in writing to the University Secretary no later than 10:00 a.m. of the day preceding the meeting.

**IX CONSIDERATION OF THE MINUTES  
OF THE MEETING OF APRIL 6, 2011**

**X BUSINESS ARISING FROM THE MINUTES**

**XI REPORTS OF THE SENATE EXECUTIVE COMMITTEE  
AND THE SENATE PLANNING AND PRIORITIES COMMITTEE**

**1. Report of the Senate Executive Committee**

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

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

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

**1. Report of the Senate Committee on Nominations**

This report will be available at the meeting.

**2. Report of the Senate Committee on Instruction and Evaluation  
RE: Modifications to probation, suspension, and  
reinstatement regulations; and to eligibility for the Dean's  
Honour List and 'with distinction', Faculty of Education**

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**3. Report of the Senate Committee on Admissions  
RE: Faculty of Education**

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**4. Report of the Senate Committee on Awards – Part B**

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**5. Proposal from the Faculty of Law  
RE: Changing the name of the degree granted to  
Juris Doctor (JD) from the current Bachelor of Laws (LL.B.)**

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**XIII ADDITIONAL BUSINESS - none**

**XIV ADJOURNMENT**

Please Call Regrets to 474-6892 or meg\_brolley@umanitoba.ca.



## **CANDIDATES FOR DEGREES, DIPLOMAS AND CERTIFICATES**

### **1. Degrees Notwithstanding a Deficiency**

A list of students to be considered for degrees notwithstanding a deficiency will be distributed at the meeting.

**Deans and Directors** should note that they may be asked to explain the circumstances leading to the recommendations from their respective Faculties or Schools.

At the conclusion of discussion of the report, the Speaker of the Senate Executive Committee will make the appropriate motion(s).

### **2. Report of the Senate Committee on Appeals**

An oral report will be presented to Senate by the Chair of the Committee only if the Committee has heard an appeal which will result in the recommendation of the award of a degree notwithstanding a deficiency.

### **3. List of Graduands**

A list of graduands will be provided to the University Secretary on the day of the meeting. The list will not be distributed to members of Senate but will be open for inspection by individual members of Senate.

The list to be provided to the University Secretary will be a compilation of the lists of the graduands of each Faculty and School.

The Speaker for the Senate Executive Committee will make the appropriate motion approving the list of graduands, subject to the right of Deans and Directors to initiate late changes with the Registrar up to May 20, 2011.

## **Election of Senate Representatives to the Board of Governors**

### **General**

The procedures to be followed for the election of members of Senate to the Board of Governors can be found on the web at:

[http://umanitoba.ca/admin/governance/governing\\_documents/governance/senate\\_rules/524.htm](http://umanitoba.ca/admin/governance/governing_documents/governance/senate_rules/524.htm)

Among the more important procedures are the procedures governing nominations, the means of balloting, and the procedures to be followed in the event of a tie vote.

Special attention is directed to Point 3, which reads in part "...If the person nominated is not present, the nominator must state that the person nominated has consented to the nomination."

### **Election of Senate Representatives to the Board of Governors**

1. The following resolution was approved by Senate on June 4, 1997: "*That Senate rescind its resolution of March 9, 1976 reserving one of its seats on the Board of Governors for a student Senator*".
2. The following resolution was approved by Senate on June 4, 1997: "*That in the future, as openings occur, Senate assure itself that at least one of the three individuals who represent it on the Board of Governors has no administrative responsibilities greater than those of department head at the time of election*".

3. Members-at-large

According to Section 27(4) of *The University of Manitoba Act* (the "Act"), a member of Senate elected by a faculty or school council who has been subsequently elected by Senate to the Board and whose term of office on Senate expires before his or her term of office on the Board, shall be appointed by Senate to be a member-at-large of Senate for the remainder of his or her term on the Board unless re-elected to Senate.

4. Students and *Ex Officio* Members

Students and *ex officio* members who are elected to represent Senate on the Board of Governors, but whose membership on Senate expires prior to their membership on the Board are dealt with under the terms of the Act (Section 10(2)).

Pursuant to Section 10(2) of the Act, the Senate Executive Committee shall bring to Senate a motion to grant assessor status on Senate for the remaining portion of a student or *ex officio* member of Senate who was elected to represent Senate on the Board of Governors and whose term on Senate has expired prior to the person's term on the Board. Should such a motion fail, a motion to terminate the membership on the Board of Governors as a Senate representative shall be adopted.

5. Present Senate representatives on the Board:

Dean N. Halden (Environment, Earth & Resources)	2013
Dr. Joanne Embree (member-at-large)	2012
Dr. J. Hoskins (St. John's College)	2011

6. Not eligible for elections are: the Chancellor; the President; and the Board representatives on Senate.
7. Terms of Senate representatives on the Board are normally for three years.

**Procedures**

1. Nominations for the position shall be received from the floor.
2. Senators shall vote for no more than one candidate on the ballot provided.
3. The candidate receiving the largest number of votes shall be declared elected for a three-year term.
4. In the event of a tie, the question shall be resolved by another ballot involving those candidates who have tied.

Dr. Hoskins' term expires in 2011, a replacement is required for the term June 1, 2011, to May 31, 2014.

## **Election of Senate Representatives to the Senate Executive Committee**

1. Two Senators elected by faculty/school councils needs to be elected for a three-year term (June 1, 2011 to May 31, 2014) to replace Professor Mark Gabbert and Professor Judith Owens, whose terms on the Executive Committee expire on May 31, 2011. One Senator elected by faculty/school councils needs to be elected for a one-year term (June 1, 2011 to May 31, 2012) to replace Professor Jennifer Mactavish whose term on Senate expires on May 31, 2011.

(1) Eligible for election are:

- (a) Members of Senate elected under section 27 (by faculty/school councils)

(2) Presently serving:

Prof. Kevin Coombs (Medicine)	2012
Prof. Emily Etcheverry (Medical Rehabilitation)	2012
Prof. Mary Brabston (Management)	2012
Prof. Joanna Asadoorian (Dentistry)	2013
Prof. John Anderson (Science)	2013

2. One representative is to be elected from among the Vice-Presidents, Deans of Faculties and Directors of Schools, to be elected for a term (June 1, 2011 - May 31, 2014) to replace Dean B. Postl.

(1) Eligible for election are:

- (a) Vice-Presidents: D. Jayas, D. McCallum
- (b) Deans: M. Trevan, R. Stern, N. Halden, T. Iacopino, J. Doering, G. Sevenhuysen, J. Watkinson, L. Turnbull, B. Postl, E. Dawe, D. Crooks, H. Frankel, L. Wallace

(2) Presently serving:

Dean M. Whitmore (Science)	2012
Prof. P. Hess (School of Art)	2013

### **Procedures:**

- (a) Nominations for the positions shall be received from the floor.
- (b) Senators shall vote for no more than two candidates in category 1 and one candidate in category 2 on the ballot provided.
- (c) The candidate receiving the largest number of votes shall be elected.
- (d) In the event of a tie, the question shall be resolved by another ballot involving those candidates who have tied.



### **Election of a Student Senator to the Senate Executive Committee**

1. The composition of the Executive Committee makes provision for three student assessors. The Assessors are as follows:
  1. President of UMSU (or designate) term: May 1, 2011 – April 30, 2012
  2. President of GSA (or designate) term: May 1, 2011 – April 30, 2012
  3. Student Senator appointed by caucus of Student Senators term: May 1, 2011 – April 30, 2012
2. The composition of the Executive Committee makes provision one elected Student member of Senate Executive Committee. A candidate for this position is nominated by the caucus of Student Senators at Senate. Term for this position: May 1, 2011 – April 30, 2012.

#### **Procedures:**

- (a) A nomination for the position shall be provided by the Student Senate Caucus.
- (b) Senators shall vote by a show of hands.

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

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**Preamble:**

1. The terms of reference for the Senate Committee on Curriculum and Course Changes (SCCCC) are found on the website at:  
[http://www.umanitoba.ca/admin/governance/governing\\_documents/governance/sen\\_committees/497.htm](http://www.umanitoba.ca/admin/governance/governing_documents/governance/sen_committees/497.htm). 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 March 14, 23, 30 and April 15, 2011, to consider curriculum and course changes from Faculties and Schools.

**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. The Committee had considerable discussion over the series of meeting regarding the situation of cross-listed courses, i.e. courses which are offered at the same time and place with the same instructor; but offered under different course numbers. The Committee will continue with these discussions and may bring forward recommendations around this matter in due course.

3. **Faculty of Agricultural and Food Sciences**

The faculty is proposing a change to the B.Sc. Agribusiness program.

4. **Faculty of Architecture**

**Environmental Design**

The program is proposing the deletion of three courses: **EVAR 3700 History of Modern Architecture (3)**, **EVCP 3340 History of the City (3)**, and **EVCP 3350 Planning and Design for Shelter (3)**.

5. **School of Art**

The school is proposing the modification of 13 courses: **STDO 2630 Design Studio 1 (3)**, **STDO 2520 Lithography A (3)**, **STDO 2510 Silkscreen A (3)**, **STDO 2500 Intaglio A (3)**, **STDO 2450 Introduction to Digital Photography (6)**, **STDO 2240 Advanced Drawing 1 (6)**, **STDO 2650 Digital Design Technology (3)**, **STDO 2400 Photography 1 (6)**, **STDO 2230 Ceramics 1 (6)**, **STDO 2220 Painting 1 (6)**, **STDO 2610 Video 1 (6)**, **STDO 2210 Sculpture 1 (6)**, **STDO 1470 Materials Studio (3)**.

6. **Faculty of Arts**

**Asian Studies**

The program is proposing the introduction of one course: **ASIA 1750 Introduction to Korean (6)**; the modification of one course: **ASIA 1760 Introduction to Chinese (Mandarin)(6)** and the addition of ASIA 1750 to the Asian Studies List A.

**Canadian Studies Program**

The program is proposing a modification to the list of Approved Courses in Canadian Studies to add ECON 2362 Economics of Gender (3) and to flag as no longer offered ECON 2360 Women in the Canadian Economy (6).

**Central and East European Studies**

The program is proposing the addition of Yiddish as an option in the U1 year language requirement for the General Major, Advanced Major, Minor and Honours Double Programs; and the addition to List of Approved courses in Central and Eastern European Studies of SLAV 3920 Gogol (3), HIST 2240 History of Antisemitism and the Holocaust (E)(6), and RLGN 3280 Hasidism (A)(3).

**Economics**

The department is proposing the deletion of four courses: **ECON 2360 Women in the Canadian Economy (6)**, **ECON 3360 Labour Economics (6)**, **ECON 3390 Development Economics (6)**, and **ECON 3740 Economics of Industry (6)**; the introduction of seven courses: **ECON 2362 Economics of Gender (3)**, **ECON 3362 Labour Economics 1 (3)**, **ECON 3364 Labour Economics 2 (3)**, **ECON 3392 An Introduction to Development Economics (3)**, **ECON 3394 Development Economics: Problems and Policies (3)**, **ECON 3742 Industrial Organization and Firm Strategy (3)**, and **ECON 4480 Game Theory (3)**; and the modification of three courses: **ECON 2450 Microeconomic Theory and its Applications 1 (3)**, **ECON 2470 Macroeconomic Theory and its Applications 1 (3)**, and **ECON 3720 Urban and Regional Economics and Policies (3)**.

**Department of French, Spanish and Italian**

The department is proposing the introduction of one course: **FREN 3020 Révision intensive de la grammaire française (A) (3)**; and a program modification to remove FREN 2700 as an option in Year 2, French Honours Single Program.

### Department of German and Slavic Studies

The department is proposing the introduction of one course: **RUSN 2830 Special Topics in Russian** (3); and a program revision to the Russian program notes.

### Global Political Economy

The program is proposing modifications to the General Major and Advanced Major programs and to the list of suggested electives.

### Department of History

The department is proposing the introduction of one course: **HIST 4000 Topics in History** (G)(3).

### Judaic Studies

The program is proposing the renumbering of courses from the SEM prefix to either HEB or ARA prefixes to more accurately reflect course content.

### Labour Studies

The program is proposing a modification to the list of electives.

### Latin American Studies

The program is proposing a modification to the minor program.

### Linguistics

The department is proposing one course modification: **LING 2860 Language Acquisition** (3).

### Psychology

The department is proposing the introduction of one course: **PSYC 2860 Language Acquisition** (3).

### Sociology

The department is proposing the introduction of one course: **SOC 3400 Policing and Crime Prevention** (3); the modification of one course: **SOC 3380 Power, Politics and the Welfare State** (3); and program modifications to the Sociology General Major, Sociology Advanced Major, Sociology Honours Single, Sociology Honours Double and Criminology General Major programs.

### Women and Gender's Studies Program

The program is proposing the modification of List A.

7. **Faculty of Dentistry**

The faculty is proposing a revision to the credit hour in the dentistry program to more accurately reflect the student's total contact hours and workload in each course and year of the program and provide a more rational means to determine student GPAs. The faculty proposes to phase in implementation and proposes changes to the first year curriculum for to 2011-2012 academic year. The Chair of the Senate Planning and Priorities Committee has reviewed the proposal and supported that this is a repackaging of courses without resource implications.

The faculty proposes the introduction of 14 courses: **DDSS 1100 Periodontology 1 (1)**, **DDSS 1110 Radiology 1 (1)**, **DENT 1202 Early Clinical Experience (3)**, **ORLB 1302 Cell and Tissue Biology (4)**, **ORLB 1310 Head, Neck and Nervous System, Part 1 (4)**, **ORLB 1320 Head, Neck and Nervous System, Part 2 (3)**, **ORLB 1330 Human Growth and Development (3)**, **ORLB 1340 Oral Tissues, Structure and Function (3)**, **PDSD 1400 Orthodontics 1 (2)**, **RSTD 1500 Dental Materials 1 (2)**, **RSTD 1512 Operative Dentistry 1 (6)**, **RSTD 1520 Dental Anatomy (3)**, **RSTD 1530 Occlusion (2)**, **RSTD 1540 Introduction to Dentistry (3)**. The faculty is also proposing the deletion of one course **DDSS 4080 Psychiatry (6)** and the corresponding modification to the fourth year program as part of the faculty's curriculum review; this change will address items such as over-teaching and duplication while maintaining the published competencies that guide accreditation and the National Board Exams in Canada.

8. **Faculty of Education**

The faculty is proposing the introduction of one course: **EDUB 1614 K-8 Curriculum Studies (3)**; the modification of one course: **EDUB 5510 ESL Materials Development and Practicum (3)** and modifications to the Integrated Music program.

9. **Faculty of Engineering**

The faculty is proposing a change to the Preliminary Engineering Program to replace the required course PHIL 1290 with a complementary studies elective.

**Department of Biosystems Engineering**

The department is proposing the modification of one course: **BIOE 4530 Analysis and Design of Biomachinery (4)**.

**Department of Civil Engineering**

The department is proposing the introduction of a new technical elective: **CIVL 4020 Masonry Design and Construction (4)**.

**Department of Electrical and Computer Engineering**

The department is proposing two course modifications: **ECE 3010 Elements of Electric Machines and Digital Systems (4)**, and **ECE 3730 Principles of Embedded Systems Design (4)**; and a modification to the electrical engineering program.

10. **Faculty of Human Ecology**

The faculty is proposing the introduction of one course: **HMEC 2000 Research Methods and Presentation** (3); the modification of one course: **HMEC 3500 Developmental Health** (3); and the modification of program requirements.

**Department of Family Social Sciences**

The department is proposing the modification of two courses: **FMLY 3780 Introduction to the Development of Programs for Children and Families** (3), and **FMLY 3790 Introduction to the Evaluation of Programs for Children and Families** (3); and a modification to the list of approved electives in the Social Development Option.

**Department of Human Nutritional Sciences**

The department is proposing the introduction of one course: **HNSC 3870 Food Geographies** (3) as a cross-listed course with the Department of Environment and Geography; and the modification of one course: **HNSC 4160 Seminar in Foods and Nutrition** (3).

**Department of Textile Sciences**

The department is proposing the modification of seven courses: **TXSC 3500 Textiles for the Healthcare Sector** (3), **TXSC 3600 Global Apparel and Textiles Trade** (3), **TXSC 3610 Product Standards and Specifications** (3), **TXSC 3650 Production of Textile Products** (3), **TXSC 4500 Advanced Textiles for the Healthcare Sector** (3), **TXSC 4620 Colour Management** (3), and **TXSC 2500 Preparation for Product Development** (1).

**Interdisciplinary Health Program**

The program is proposing a modification to the approved program electives list.

11. **Faculty of Kinesiology and Recreation Management**

The faculty is proposing the deletion of one course: **KIN 4300 Health and Wellness Practices in Athletic Therapy** (3); the modification of one course: **REC 4170 Sport Management** (3); and program modifications to the Bachelor of Kinesiology program, the Bachelor of Kinesiology – Athletic Therapy program, and the Bachelor of Physical Education program.

12. **Asper School of Business - Faculty of Management**

**Warren Centre for Actuarial Studies**

The centre is proposing the introduction of one course: **ACT 3340 Financial Derivatives for Actuarial Practice** (3); and the modification of one course: **ACT 2120 Interest Theory** (3).

13. **Faculty of Medicine**

School of Medical Rehabilitation

The school is proposing the introduction of one course: **RESP 2380 Basic Fieldwork II** (4); the modification of one course: **RESP 1380 Basic Fieldwork I** (4); the addition of RESP 2380 as a required course in the program, and a modification to year 2 of the program as a result of the addition of STAT 1000 to the admission criteria for the 2011 intake.

14. **Faculty of Science**

The faculty is proposing a modification to degree requirements to allow students to declare multiple minors in the four-year programs.

Department of Biological Sciences

The department is proposing the modification of three courses: **BIOL 1020 Biology I: Principles and Themes** (3), **BIOL 4330 Plant Interactions** (3), and **BIOL 4560 Microtechnique** (3).

Department of Chemistry

The department is proposing the introduction of three courses: **CHEM 4800 Topics in Physical/Theoretical Chemistry** (3), **CHEM 4802 Topics in Analytical Chemistry** (3), and **CHEM 4804 Topics in Biochemistry** (3); the modification of three courses: **CHEM 2470 Introductory Analytical Chemistry** (3), **CHEM 4570 Topics in Inorganic Chemistry** (3), and **CHEM 4580 Topics in Organic Chemistry** (3); and program modifications to add focus areas in Biophysical Chemistry, Organic Chemistry, Physical Chemistry, Quantum/Computational Chemistry and modify the focus areas of Bioanalytical Chemistry and Materials Science.

15. **Faculty of Social Work**

The Faculty is proposing the modification of two courses: **SWRK 3150 Field Instruction 1** (12) and **SWRK 4120 Field Instruction 2** (12).

16. **Collège universitaire de Saint-Boniface**

Chemistry

The department is proposing the introduction of one course: **CHEM 2401 Chimie inorganique: structure et applications** (3); the deletion of one course: **CHEM 3571 Chimie biophysique** (3); the modification of one course: **CHEM 2381 Chimie des éléments représentatifs** (3); and a modification to the Baccalauréat ès sciences avec majeure (4 ans) – biochimie-microbiologie.

Geography

The department is proposing the introduction of one course : **GEOG 3771 Sujets particuliers en géographie** (3); the deletion of two courses: **GEOG 1201 Introduction**

à la géographie (6) and **GEOG 2221 Introduction à la cartographie et analyse de la carte numérique (6)**.

#### Economics

The department is proposing the modification of four courses : **ECON 1211 Introduction aux politiques et aux problèmes économiques canadiens (3)**, **ECON 1221 Introduction aux politiques et aux problèmes économiques mondiaux (3)**, **ECON 2451 Théorie microéconomique et ses applications I (3)**, and **ECON 2471 Théorie macroéconomique et ses applications I (3)**.

#### Biology

The department is proposing the modification of one course : **MBIO 3031 Microbiologie III (3)**.

#### Philosophy

The department is proposing the modification of one course : **PHIL 2821 L'existentialisme (6)**.

#### Sociology

The department is proposing the modification of one course: **SOC 3871 Inégalités sociales (3)**.

#### Spanish

The department is proposing the modification of two courses: **SPAN 2591 Femmes et culture en Espagne et en Amérique latine (3)**, and **SPAN 2671 Espagnol sujet spécial 1 (3)**.

#### Business Administration

The department is proposing the modification of nine courses : **HRIR 2441 Gestion des ressources humaines I (3)**, **GMGT 4151 Gestion des organisations sans but lucratif (3)**, **ACC 1101 Introduction à la comptabilité financière (3)**, **ACC 1111 Introduction à la comptabilité de management (3)**, **FIN 2201 Gestion financière (3)**, **MIS 2001 Les systèmes d'information de gestion (3)**, **GMGT 2071 Introduction au comportement organisationnel (3)**, **MKT 3221 Recherche en marketing (3)**, **MKT 4211 Gestion du marketing (3)**; the introduction of four courses : **GMGT 2061 Management général (3)**, **GMGT 1011 Les entreprises et la société (3)**, **GMGT 2011 Business Communications (3)**, **SCM 2161 Gestion de la chaîne logistique et des opérations (3)**; and the deletion of three courses : **GMGT 2081 Introduction au management et à la théorie des organisations (3)**, **GMGT 2001 Introduction to Communications (3)**, and **OPM 2601 Principes de gestion des opérations et de la production (3)**; and program modifications.



17. **Undergraduate Timetable 2010-2011**

The timetable outlines deadlines for the submission of undergraduate program, curriculum and course changes for the 2011-2012 academic year.

**Recommendations**

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 Agricultural and Food Sciences**  
**Faculty of Architecture**  
**School of Art**  
**Faculty of Arts**  
**Faculty of Dentistry**  
**Faculty of Education**  
**Faculty of Engineering**  
**Faculty of Human Ecology**  
**Faculty of Kinesiology and Recreation Management**  
**Asper School of Business, Faculty of Management**  
**Faculty of Medicine, School of Medical Rehabilitation**  
**Faculty of Science**  
**Faculty of Social Work**  
**Collège universitaire de Saint-Boniface**

Respectfully submitted,

Professor H. Frankel, Chair  
Senate Committee on Curriculum and Course Changes

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## Faculty of Agricultural and Food Sciences

### Program modification:

#### **SECTION 4: Program and Graduation Requirements**

These requirements are outlined for all four degrees in the sections which follow.

##### **4.1.1 Faculty Core**

Course No.		Credit Hours
ABIZ 1000	Introduction to Agribusiness Management (see Note 1)	3
AGRI 1500	Natural Resources and Primary Agricultural Production	3
AGRI 1510	Production, Distribution and Utilization of Agricultural Products	3
AGRI 2030	Technical Communications	3
BIOL 1020	Biology 1: Principles and Themes (See Note 4)	3
BIOL 1030	Biology 2: Biological Diversity, Function and Interactions (See Note 4)	3
CHEM 1300	University 1 Chemistry: Structure and Modelling in Chemistry (see Notes 3 and 5)	3
	and one of the following two courses:	
CHEM 1310	University 1 Chemistry: An Introduction to Physical Chemistry (see Notes 3 and 5)	3
	or	
CHEM 1320	University 1 Chemistry: An Introduction to Organic Chemistry (see Notes 3 and 5)	3
ECON 1010	Introduction to Microeconomic Principles	3
ECON 1020	Introduction to Macroeconomic Principles	
MATH 1200	Elements of Discrete Mathematics (See Note 2)	3
	or	
MATH 1210	Techniques of Classical and Linear Algebra (see Note 2)	
	or	
MATH 1300	Vector Geometry and Linear Algebra (See Note 2)	
	or	
MATH 1310	Matrices for Management and Social Sciences (See Note 2)	
	Or	
MATH 1500	Introduction to Calculus (See Note 2)	
	Or	
MATH 1520	Introductory to Calculus for Management and Social Sciences (See Note 2)	
STAT 1000	Basic Statistical Analysis 1	3

Three credit hours from the following:

PHIL 1290 Critical Thinking (3)

PHIL 2740 Ethics and Biomedicine (3)

PHIL 2750 Ethics and the Environment (3)

PHIL 2830 Business Ethics (3)

Total credit hours

3

33-39

##### **Notes:**

1) ABIZ 1000 is not required for the B.Sc. Food Science (Food Science option). It is required in the B.Sc. Food Science (Business option).

2) Six credit hours of Math courses, including MATH 1500 Introduction to Calculus or MATH 1520 Introduction to Calculus for Management and Social Sciences are required for the B.Sc. (Agribusiness) and B.Sc. (Food Sciences) programs. ***In addition the B.Sc. (Agribusiness) program also requires MATH 1300 Vector Geometry and Linear Algebra or MATH 1310 Matrices for Management and Social Sciences.***

3) Students planning to enter the B.Sc. (Agribusiness) degree program are not required to take chemistry at the university level.

4) Students planning to enter the B.Sc. (Agribusiness) degree program are recommended to take BIOL 1020 and BIOL 1030 but may substitute BIOL 1000 and BIOL 1010.

5) Both CHEM 1310 and 1320 are required for the B.Sc. (Food Science) Science Option Program.

## Faculty of Architecture

### Environmental Design

#### Deletions:

EVAR 3700 History of Modern Architecture Cr.Hrs. 3

-3

EVCP 3340 History of the City Cr.Hrs. 3

-3

**NET CHANGE IN CREDIT HOURS: -9**School of Art

## Modifications:

## STDO 2630 Design Studio 1 Cr.Hrs. 3

(formerly 054.263) An introduction to the creative use of design elements and principles applied to problems in Graphic Design. The course provides a grounding in the concepts, techniques, and skills required to solve specific problems, develop a personal design process and acquire a deeper understanding of visual media. Prerequisites: FA 1270, STDO 1210, STDO 1230, STDO 1250, STDO 1410, STDO 1430, STDO 1450 and STDO 1470 or [FA 1270 (or 054.127), STDO 1200 (or 054.120) and STDO 1220 (or 054.122)]. May not be held for credit with the former 054.228.

## STDO 2520 Lithography A Cr.Hrs. 3

(formerly 054.255) An introduction to the basic techniques in Lithography. Prerequisites: FA 1270, STDO 1210, STDO 1230, STDO 1250, STDO 1410, STDO 1430, STDO 1450 and STDO 1470 or [FA 1270 (or 054.127), STDO 1200 (or 054.120) and STDO 1220 (or 054.122)]. May not hold credit for both STDO 2550 (Lithography A) or 054.255 (Lithography 1A) or 054.227.

## STDO 2510 Silkscreen A Cr.Hrs. 3

(formerly 054.255) An introduction to the basic techniques in Silkscreen. Prerequisites: FA 1270, STDO 1210, STDO 1230, STDO 1250, STDO 1410, STDO 1430, STDO 1450 and STDO 1470 or [FA 1270 (or 054.127), STDO 1200 (or 054.120) and STDO 1220 (or 054.122)]. May not hold credit for both STDO 2550 (Silkscreen A) or 054.255 (Silkscreen 1A) or 054.227.

## STDO 2500 Intaglio A Cr.Hrs. 3

(formerly 054.255) An introduction to the basic techniques in Intaglio. Prerequisites: FA 1270, STDO 1210, STDO 1230, STDO 1250, STDO 1410, STDO 1430, STDO 1450 and STDO 1470 or [FA 1270 (or 054.127), STDO 1200 (or 054.120) and STDO 1220 (or 054.122)]. May not hold credit for both STDO 2550 (Intaglio A) or 054.255 (Intaglio 1A) or 054.227.

## STDO 2450 Introduction to Digital Photography Cr.Hrs. 6

Introduction to Digital Photography is a studio course introducing the basic technical foundation and critical understanding of contemporary photo-based image production. Prerequisites: FA 1270, STDO 1210, STDO 1230, STDO 1250, STDO 1410, STDO 1430, STDO 1450 and STDO 1470 or [FA 1270 (or 054.127), STDO 1200 (or 054.120) and STDO 1220 (or 054.122)].

## STDO 2240 Advanced Drawing 1 Cr.Hrs. 6

(formerly 054.224) Creative use of drawing with emphasis on the human figure. Prerequisites: FA 1270, STDO 1210, STDO 1230, STDO 1250, STDO 1410, STDO 1430, STDO 1450 and STDO 1470 or [FA 1270 (or 054.127), STDO 1200 (or 054.120) and STDO 1220 (or 054.122)].

## STDO 2650 Digital Design Technology Cr.Hrs. 3

(formerly 054.265) This course is an introduction to the computer as a creative tool and to explore industry standard software for use in the creative graphic design applications such as advertising, print media, environmental graphics, illustration and image manipulation. Prerequisites: FA 1270, STDO 1210, STDO 1230, STDO 1250, STDO 1410, STDO 1430,

STDO 1450 and STDO 1470 or [FA 1270 (or 054.127), STDO 1200 (or 054.120) and STDO 1220 (or 054.122)].

STDO 2400 Photography 1 Cr.Hrs. 6

(formerly 054.240) Introduction to the camera and photographic techniques with problems in creative visual expression. Prerequisites: FA 1270, STDO 1210, STDO 1230, STDO 1250, STDO 1410, STDO 1430, STDO 1450 and STDO 1470 or [FA 1270 (or 054.127), STDO 1200 (or 054.120) and STDO 1220 (or 054.122)].

STDO 2230 Ceramics 1 Cr.Hrs. 6

(formerly 054.223) Introduction to ceramic art, including contemporary processes, techniques, and history. Prerequisites: FA 1270, STDO 1210, STDO 1230, STDO 1250, STDO 1410, STDO 1430, STDO 1450 and STDO 1470 or [FA 1270 (or 054.127), STDO 1200 (or 054.120) and STDO 1220 (or 054.122)].

STDO 2220 Painting 1 Cr.Hrs. 6

(formerly 054.222) Basic introduction in oil painting and pictorial composition. Prerequisites: FA 1270, STDO 1210, STDO 1230, STDO 1250, STDO 1410, STDO 1430, STDO 1450 and STDO 1470 or [FA 1270 (or 054.127), STDO 1200 (or 054.120) and STDO 1220 (or 054.122)].

STDO 2610 Video 1 Cr.Hrs. 6

(formerly 054.261) The creative use of video as an art medium. Prerequisites: FA 1270, STDO 1210, STDO 1230, STDO 1250, STDO 1410, STDO 1430, STDO 1450 and STDO 1470 or [FA 1270 (or 054.127), STDO 1200 (or 054.120) and STDO 1220 (or 054.122)].

STDO 2210 Sculpture 1 Cr.Hrs. 6

(formerly 054.221) Modelling in clay, principles of casting; introduction to other media with emphasis on the study of the human form. Prerequisites: FA 1270, STDO 1210, STDO 1230, STDO 1250, STDO 1410, STDO 1430, STDO 1450 and STDO 1470 or [FA 1270 (or 054.127), STDO 1200 (or 054.120) and STDO 1220 (or 054.122)].

STDO 1470 Materials Studio Cr.Hrs. 3

Students choose among individual studio area modules to learn material technologies used in art, facilitating students' ability to work in School of Art workshops. Prerequisite for further study in fine arts studio courses: Prerequisite: STDO 1410.

## **NET CHANGE IN CREDIT HOURS: 0**

### Faculty of Arts

#### Asian Studies

##### Introduction:

ASIA 1750 Introduction to Korean Cr.Hrs. 6

+6

(Lab required) An introduction to spoken and written Korean for students with little or no previous knowledge of the language. Students will be taught basic pronunciation, vocabulary, and grammar, as well as the Hangul writing system. Students who have received all or a portion of their elementary or secondary education in the Korean language may not normally enrol.

Modification:

ASIA 1760 Introduction to Chinese (Mandarin) Cr.Hrs. 6  
(formerly 150.176) An introduction to modern vernacular (Mandarin) Chinese in spoken and written form. Grounding in pronunciation, basic grammar, vocabulary, and some written characters. Students who have received all or a portion of their elementary or secondary education in the Chinese language may not normally enrol. Not open to students who have previously obtained credit for ASIA 2360 (150.236), ASIA 2760 (150.276), ASIA 3760 (150.376).

Program modification:

Addition of ASIA 1750 to the Asian Studies List A.

**NET CHANGE IN CREDIT HOURS: +6**

#### Canadian Studies

Program modifications:

ECON 2362 Economics of Gender (3) added to list of Approved Courses in Canadian Studies, ECON 2360 Women in the Canadian Economy (6) flagged as no longer offered.

**NET CHANGE IN CREDIT HOURS: 0**

#### Central and East European Studies

Program modifications:

General Major, Advanced Major, Minor and Honours Double Programs – adding Yiddish as an option in the U1 year language requirement.

Additions to List of Approved courses in Central and Eastern European Studies: SLAV 3920 Gogol (3), HIST 2240 History of Antisemitism and the Holocaust (E)(6), and RLGN 3280 Hasidism (A)(3).

**NET CHANGE IN CREDIT HOURS: 0**

#### Economics

Deletions:

ECON 2360 Women in the Canadian Economy Cr.Hr. 6	-6
ECON 3360 Labour Economics Cr.Hrs. 6	-6
ECON 3390 Development Economics Cr.Hrs. 6	-6
ECON 3740 Economics of Industry Cr.Hrs. 6	-6

Introductions:

ECON 2362 Economics of Gender Cr.Hrs. 3	+3
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This course will use both neo-classical and feminist economic theory to explore how gender differences may lead to different economic outcomes for men and women, both within families

and in the marketplace. Topics covered may include gender aspects of production (both inside and outside the household), leisure, marriage and divorce, fertility, childcare, education, migration, aging and development. Students may not hold credit for both ECON 2362 and the former ECON 2360 (018.236). Prerequisite: a grade of "C" or better in ECON 1010 or ECON 1011 or ECON 1210 (018.121) or ECON 1211 (018.121) or the former ECON 1200 (018.120) or the former ECON 1201 (018.120).

ECON 3362 Labour Economics 1 Cr.Hrs. 3 +3  
An introduction to labour economics, including labour supply, labour demand and the determination of wages and employment. Students may not hold credit for both ECON 3362 and the former ECON 3360 (018.336). Prerequisite: a grade of "C" or better in ECON 2450 (018.245) or ECON 2451 (018.245) or ECON 2700 (018.270).

ECON 3364 Labour Economics 2 Cr.Hrs. 3 +3  
Analysis of topics in labour economics such as unemployment, immigration, gender discrimination and the impact of unions. Students may not hold credit for both ECON 3364 and the former ECON 3360 (018.366). Prerequisite: a grade of "C" or better in ECON 3362.

ECON 3392 An Introduction to Development Economics Cr.Hrs. 3 +3  
The definition and major challenges of development and an introduction to theories of growth and development. Students may not hold credit for both ECON 3392 and the former ECON 3390 (018.339). Prerequisite: [a grade of "C" or better in ECON 2450 (018.245) or ECON 2451 (018.245) or ECON 2700 (018.270)] and [a grade of "C" or better in ECON 2470 (018.247) or ECON 2471 (018.247) or ECON 2800 (018.280)] or written consent of instructor.

ECON 3394 Development Economics: Problems and Policies Cr.Hrs. 3 +3  
Processes and problems of development policies to accelerate change. Economic relations between developed and developing regions. Students may not hold credit for both ECON 3394 and the former ECON 3390 (018.339). Prerequisite: [a grade of "C" or better in ECON 2450 (018.245) or ECON 2451 (018.245) or ECON 2700 (018.270)] and [a grade of "C" or better in ECON 2470 (018.247) or ECON 2471 (018.247) or ECON 2800 (018.280)] and [a grade of "C" or better in ECON 3392 or ECON 2630 (018.263)] or written consent of instructor.

ECON 3742 Industrial Organization and Firm Strategy Cr.Hrs. 3 +3  
Market structure and firms' strategic decisions will be analyzed. Topics may cover monopoly pricing strategies such as price discrimination; non-pricing strategies such as advertising, quality decisions and differentiated products; dynamic oligopoly models; mergers; anti-competitive behaviour; and auctions. This course assumes students have a sound background in economic theory, as well as single-variable calculus and basic statistics. Students may not hold for credit for both ECON 3742 and the former ECON 3740 (018.374). Prerequisite: [a grade of "C" or better in ECON 2450 (018.245) or ECON 2451 (018.245) or ECON 2700 (018.270)] or consent of instructor.

ECON 4480 Game Theory Cr.Hrs. 3 +3  
The course will analyze the strategic interaction between firms in oligopolistic markets, between agents in common resource settings, and between government and its citizens. Market failure arising from asymmetric information and externalities will be examined. Negotiation and bargaining between agents will also be examined. Prerequisite: [a grade of "B" or better in ECON 2530 (018.253) or MATH 1500 (136.150) or MATH 1510 (136.151) or MATH 1520 (136.152) or MATH 1690 (136.169)] or written consent of instructor.

#### Modifications:

ECON 2450 Microeconomic Theory and its Applications 1 Cr.Hrs. 3  
(formerly 018.245) Theories of consumer demand, production, cost, factor demand and market structure, with attention to institutional and historical framework, and with policy applications. Students may not hold credit for ECON 2450 (018.245) and any of: ECON 2451 (018.245) or ECON 2700 (018.270). Prerequisite: [a grade of "C" or better in ECON 1010 or ECON 1011 or the former ECON 1200 (018.120) or the former ECON 1201 (018.120)] or [a grade of "C" or better in both ECON 1210 (or ECON 1211 or the former 018.121) and ECON 1220 (or ECON 1221 or the former 018.122)].

ECON 2470 Macroeconomic Theory and its Applications 1 Cr.Hrs. 3  
(formerly 018.247) A study of the fluctuations in national income, output, employment, money and prices, and of stabilization policy, within the framework of standard macroeconomic models of a closed economy, with attention to institutional and historical framework. Students may not hold credit for ECON 2470 (018.247) and any of: ECON 2471 (018.247) or ECON 2800 (018.280). Prerequisite: [a grade of "C" or better in ECON 1020 or ECON 1021 or the former ECON 1200 (018.120) or the former ECON 1201 (018.120)] or [a grade of "C" or better in both ECON 1210 (or ECON 1211 or the former 018.121) and ECON 1220 (or ECON 1221 or the former 018.122)].

ECON 3720 Urban and Regional Economics and Policies Cr.Hrs. 3  
(formerly 018.372) An introduction to the study of the determinants of the spatial distribution of economic activity among urban centres and regions. Particular attention will be paid to such contemporary Canadian problems as regional disparities, urban and environmental decay, and urban renewal, and the policy issues involved in dealing with these problems. Prerequisite: a grade of "C" or better in ECON 2450 (018.245) or ECON 2451 (018.245) or ECON 2700 (018.270).

#### **NET CHANGE IN CREDIT HOURS: -3**

#### French, Spanish and Italian

##### Introduction:

FREN 3020 Révision intensive de la grammaire française (A) Cr.Hrs. 3 +3  
Étude systématique et avancée de la grammaire française avec révision de vocabulaire. Ce cours est la suite logique de FREN 2620 (Grammaire et lexique) mais on peut s'y inscrire sans l'avoir suivi. Dans ce cours-ci, nous parlerons des nuances de la langue qui ne sont pas traitées en deuxième année mais nous reverrons aussi quelques-unes des questions fondamentales examinées auparavant. Prerequisite: [a grade of "C" or better in any 2000-level French course] or written consent of department head. FREN 2610 (044.261) may not be used as a prerequisite.

#### **NET CHANGE IN CREDIT HOURS: +3**

Program modification:

- **Revisions to the French Honours Single Program**

Added material

~~Deleted material~~

**7.10.3 French, Program Code: 044F**

UNIVERSITY 1	YEAR 2	YEAR 3	YEAR 4
<b>HONOURS SINGLE<sup>1,2</sup></b>			
FREN 1190 or FREN 1200	<ul style="list-style-type: none"> <li>• FREN 2660, FREN 2870, FREN 2910</li> <li>• <del>FREN 2700</del> or FREN 3140</li> <li>• FREN 2740 or FREN 3160</li> <li>• 3 credit hours of French language or civilization courses numbered at the 2000 or 3000 level</li> <li>• 12 credit hours of ancillary options</li> </ul>	<ul style="list-style-type: none"> <li>• FREN 3100, FREN 3500, FREN 3870, FREN 3910</li> <li>• One of FREN 2680, FREN 2720, FREN 2760, FREN 3120</li> <li>• 3 credit hours of French language or civilization courses numbered at the 2000 or 3000 level</li> <li>• 6 credit hours of ancillary options</li> </ul>	<ul style="list-style-type: none"> <li>• FREN 4710 or FREN 4730</li> <li>• 9 additional credit hours of French courses numbered at the 4000 level</li> <li>• 6 additional credit hours of French courses numbered at the 3000 or 4000 level</li> <li>• 6 credit hours of ancillary options</li> </ul>

**NOTES:**

<sup>1</sup> Students in Year 2 will normally take courses numbered at the 2000 level and students in Year 3 will normally take courses numbered at the 3000 level.

<sup>2</sup> Ancillary options are courses taken from outside the Honours field of study.

German and Slavic Studies

Introduction:

RUSN 2830 Special Topics in Russian Cr.Hrs. 3

+3

A study of the Russian language through listening, reading, writing, and conversation, with a strong cultural component. The content of this course will vary from year to year, depending on the needs and interests of students and staff. Prerequisite: written consent of department head. As course content will vary from year to year, students may take this course more than once for credit.

**NET CHANGE IN CREDIT HOURS: +3**

Program modifications:

- **Revisions to Russian Program Notes**

Added material

~~Deleted material~~

**7.11.6 Russian, Program Code: 052R**

**NOTES:**

With written consent from the department head, courses offered by other departments may be approved for credit.

The following courses count as language courses: RUSN 1300, RUSN 1330, RUSN 2630, RUSN 2810, RUSN 2820, RUSN 2830, RUSN 3200, RUSN 3210, RUSN 3220.

The following courses count as culture and literature courses: RUSN 1400, RUSN 2280, RUSN 2290, RUSN 2310, RUSN 2410, RUSN 2740, RUSN 2760, RUSN 3320, RUSN 3330, RUSN 3580, RUSN 3770, RUSN 3780, RUSN 3790, RUSN 3900, RUSN 3980, SLAV 2240, SLAV 2250, SLAV 2260, SLAV 2270, SLAV 3520, SLAV 3920.



## Global Political Economy

### Program modifications:

- Revisions to General Major and Advanced Major Programs
- Revision to List of Suggested Electives

Added material

~~Deleted material~~

#### 7.12.1 Program Information

##### 7.12.2 Global Political Economy, Program Code: 157

UNIVERSITY 1	YEAR 2	YEAR 3	YEAR 4
<b>GENERAL MAJOR TOTAL: 60 CREDIT HOURS</b>			
<ul style="list-style-type: none"> <li>• Anthropology: ANTH 2390; ANTH 3320 or Sociology SOC 3810</li> <li>• Economics: ECON 1010 and ECON 1020, or ECON 1210 and ECON 1220; ECON 2540; ECON 2550; ECON 2630, or <del>ECON 3392 and ECON 3394</del> <u>ECON 3390</u></li> <li>• History: 12 credit hours from: HIST 1370, HIST 1380, HIST 1500, HIST 2380, HIST 2720</li> <li>• Political Studies: 6 credit hours from: POLS 1000, POLS 1010, POLS 1040, POLS 1070, POLS 1500; POLS 2040</li> <li>• Sociology: SOC 1200; SOC 3380 or SOC 3838 or SOC 3840 or SOC 3890 or Anthropology ANTH 2500; SOC 3810 or Anthropology ANTH 3320</li> </ul>			
<b>ADVANCED MAJOR TOTAL: 78 CREDIT HOURS</b>			
<ul style="list-style-type: none"> <li>• Anthropology: ANTH 2390; ANTH 3320 or Sociology SOC 3810; ANTH 3750</li> <li>• Economics: ECON 1010 and ECON 1020, or ECON 1210 and ECON 1220; ECON 2540; ECON 2550; ECON 2630, or <del>ECON 3392 and ECON 3394</del> <u>ECON 3390</u></li> <li>• Global Political Economy: GPE 2700; GPE 4700</li> <li>• History: 12 credit hours from: HIST 1370, HIST 1380, HIST 1500, HIST 2380, HIST 2720</li> <li>• Political Studies: 6 credit hours from: POLS 1000, POLS 1010, POLS 1040, POLS 1070, POLS 1500; POLS 3220; POLS 3250 or POLS 3840</li> <li>• Sociology: SOC 1200; SOC 2290; SOC 3380 or SOC 3838 or SOC 3840 or SOC 3890 or Anthropology ANTH 2500; SOC 3810 or Anthropology ANTH 3320</li> </ul>			

##### List of Courses for Global Political Economy

See the departmental Calendar section for full course descriptions.

Anthropology			Global Political Economy		
ANTH 2390	Social Organization in Cross-Cultural Perspective (B)	6	GPE 2700	Perspectives on Global Political Economy	3
ANTH 2500	Culture, Environment, and Technology (B)	3	GPE 4700	Studies in Global Political Economy	6
ANTH 3320	Women in Cross-Cultural Perspective (B)	3	History		
ANTH 3750	Globalization and the World-System (B)	3	HIST 1370	An Introduction to Modern World History: 1500-1800 (M)	3
Economics			HIST 1380	An Introduction to Modern World History: 1800 - Present (M)	3
ECON 1010	Introduction to Microeconomic Principles	3	HIST 1500	An Introduction to Modern World History: 1500 - Present (M)	6
ECON 1020	Introduction to Macroeconomic Principles	3	HIST 2380	The Twentieth-Century World (G,M)	6
ECON 1200*	Principles of Economics	6	HIST 2720	The World Since 1945 (G,M)	6
ECON 1210	Introduction to Canadian Economic Issues and Policies	3	Political Studies		
ECON 1220	Introduction to Global and Environmental Economic Issues and Policies	3	POLS 1000	Democracy and Development	3
ECON 2540	Political Economy 1: Production and Distribution	3	POLS 1010	Political Ideas and Ideologies	3
ECON 2550	Political Economy 2: Economic Growth and Fluctuations in a Global Economic Environment	3	POLS 1040	Global Political Issues	3
ECON 2630	An Introduction to the World's Economies	6	POLS 1070	Law, Politics, and Power in Canada	3
<del>ECON 3390</del>	<del>Development Economics</del>	<del>6</del>	POLS 1500	Introduction to Politics	6
<del>ECON 3392</del>	<del>An Introduction to Development Economics</del>	<del>3</del>	POLS 2040	Introduction to International Relations	6
<del>ECON 3394</del>	<del>Development Economics: Problems and Policies</del>	<del>3</del>	POLS 2530*	Elements of Foreign Policy	6
			POLS 3220	Globalization and the World Economy	3
			POLS 3250	International Political Economy	3

019.383*	The Politics of International Economic Relations	6	011.341*	The British Empire and Commonwealth Since 1815 (G)	6
Sociology			Labour Studies		
SOC 1200	Introduction to Sociology	6	LABR 1260	Working for a Living	3
SOC 2290	Introduction to Research Methods	6	LABR 1270*	Introduction to the Political Economy of Labour	3
SOC 3380	Power, Politics and the Welfare State	3	LABR 1290	Introduction to the Canadian Labour Movement	3
SOC 3470*	Political Sociology	3	LABR 2100	Political Economy of Labour	3
SOC 3690*	Sociology of the Developing Societies	3	LABR 2300	Workers, Employers and the State	3
SOC 3810	Sociological Perspectives on Gender and Sexuality	3	LABR 2420	Economics of the Labour Process and Labour Relations (Cross-listed with Economics ECON 2420)	6
SOC 3838	Ecology and Society	3	LABR 3090	Globalization and Labour	3
SOC 3840	Community and Social Reconstruction	3	Political Studies		
SOC 3870*	Social Inequality	3	POLS 2040	Introduction to International Relations	6
SOC 3890	Power and Inequality in Comparative Perspective	3	POLS 2070	Introduction to Canadian Government	6
			POLS 2530	Elements of Foreign Policy	6
<b>List of Suggested Electives</b>			POLS 3200	International Security and Conflict Management	6
Faculty of Arts			POLS 3330	Politics of the European Union	3
Anthropology			POLS 3810	Introduction to Marxism	3
ANTH 1220	Cultural Anthropology (A)	3	POLS 3880	Comparative Foreign Policy	3
ANTH 1520	Critical Cultural Anthropology (A)	3	POLS 4530	Regionalism in International Politics	3
ANTH 2460*	Peasantry in a Changing World (B)	3	POLS 4660	The State in the Economy	6
ANTH 2500	Culture, Environment, and Technology (B)	3	019.156*	Introduction to Canadian Government	6
ANTH 2510	Anthropology of Economic Systems (B)	3	019.273*	International Conflict Resolution	6
ANTH 2530	Anthropology of Political Systems (B)	3	Sociology		
ANTH 2570	Urban Anthropology (B)	3	SOC 2480	Population Problems	3
ANTH 3320	Women in Cross-Cultural Perspective (B)	3	SOC 3380	Power, Politics and the Welfare State	3
ANTH 3380	Anthropology and Contemporary Social Issues (B)	3	SOC 3470*	Political Sociology	3
076.244*	Peasant Society and Culture (B)	3	SOC 3690*	Sociology of the Developing Societies	3
Asian Studies			SOC 3810	Sociological Perspectives on Gender and Sexuality	3
ASIA 1420	Asian Civilizations to 1500 (Cross-listed with History HIST 1420)	3	SOC 3838	Ecology and Society	3
ASIA 1430	Asian Civilizations Since 1500 (Cross-listed with History HIST 1430)	3	SOC 3840	Community and Social Reconstruction	3
ASIA 2070*	South Asian Civilization	6	SOC 3870*	Social Inequality	3
ASIA 2080	South Asian Civilization	3	SOC 3890	Power and Inequality in Comparative Perspective	3
150.211*	East Asian Civilization	6	Clayton H. Riddell Faculty of Environment, Earth, and Resources		
Economics			Geography		
ECON 2420	Economics of the Labour Process and Labour Relations (Cross-listed with Labour Studies LABR 2420)	3	GEOG 1280	Introductory Human Geography	3
ECON 2490	Economic Accounting	3	GEOG 2210	Economic Geography	6
ECON 2560	Corporations in the Global Economy	3	GEOG 3590	Geography of Developing Countries	6
ECON 2630	An Introduction to the World's Economies	6	GEOG 3800	Geography of Transportation Development	3
ECON 3390*	Development Economics	6	GEOG 4640	Models in Urban Geography	3
ECON 3392	An Introduction to Development Economics	3			
ECON 3394	Development Economics: Problems and Policies	3			
ECON 3660	Economic Ideas and Social Institutions	6			
ECON 3710	Sustainable Development: Issues and Policy	3			
ECON 4510*	Economy and State in a Modern Period: Western Europe and North America	6			
History					
HIST 2670	History of Capitalism (M)	3			
HIST 2680	History of Socialism from the French Revolution to the Present (M)	3			
HIST 2710	Women in History (G)	6			
HIST 3580	Topics in Recent World History 1 (M)	3			
HIST 3590	Topics in Recent World History 2 (M)	3			
HIST 4010	Imperialism, Decolonization and Neo-Colonialism, 1700 to the Present (G,M)	6			
HIST 4320	Studies in World History since 1945 (G,M)	3			

## History

### Introduction:

HIST 4000 Topics in History (G) Cr.Hrs. 3 +3

The content of this course will vary. It is designed to provide students with specialized topics and themes in History. A description of the course is available in advance at the History Department office. Prerequisite: written consent of department head. As the course will vary from year to year, students may take this course more than once for credit.

**NET CHANGE IN CREDIT HOURS: +3**Judaic Studies

Renumbering:

Old	New	Title
SEM 1120	HEB 1120	Biblical Hebrew (6)
SEM 1250	HEB 1250	Hebrew 1 (6)
SEM 1260	HEB 1260	Hebrew 2 (6)
SEM 2210	HEB 2210	Modern Hebrew Literature (6)
SEM 2250	HEB 2250	Rabbinic Hebrew (6)
SEM 2260	ARA 2260	Elementary Arabic (6)
SEM 2280	HEB 2280	Introduction to Hebrew Literature (6)
SEM 2350	HEB 2350	Hebrew 3 (6)
SEM 3360	HEB 3360	Hebrew Communication Arts (6)
SEM 3370	HEB 3370	Hebrew Language and Literature (6)
SEM 3380	HEB 3380	The Creation of Modern Hebrew (6)

**NET CHANGE IN CREDIT HOURS: 0**Labour Studies

Modification to the list of electives:

Addition of: ECON 2362 Economics of Gender (3), ECON 3362 Labour Economics 1 (3) and ECON 3364 Labour Economics 2 (3); flag as no longer offered: ECON 2360 Women in the Canadian Economy (6), and ECON 3360 Labour Economics (6).

**NET CHANGE IN CREDIT HOURS: 0**

## Latin American Studies

Program modification:

### - Revisions to the Minor Program

Added material

~~Deleted material~~

A Minor in Latin American Studies consists of at least 18 credit hours from a minimum of two different departments chosen from the following list.

#### Faculty of Arts

Anthropology		
ANTH 2690	Peoples and Cultures of Contemporary Latin America (B)	3
Economics		
ECON 3390*	Development Economics	6
<del>ECON 3392</del>	<del>An Introduction to Development Economics</del>	<del>3</del>
<del>ECON 3394</del>	<del>Development Economics: Problems and Policies</del>	<del>3</del>
History		
HIST 2140	Colonial Latin America (A)	3
HIST 2150	Independent Latin America (A)	3
HIST 3020	South America Since 1945 (A)	3
HIST 3040	Mexico, Central America, and Cuba Since 1945 (A)	3
HIST 4870	Contemporary Latin America (A)	6
Spanish		
SPAN 2200	Spanish American Culture and Civilization	3
SPAN 2540	Spanish-American Literature 2	3
Clayton H. Riddell Faculty of Environment, Earth, and Resources		
Geography		
GEOG 2350*	Latin America (A)	6

**NET CHANGE IN CREDIT HOURS: 0**

## Linguistics

Modification:

LING 2860 Language Acquisition Cr.Hrs. 3

(formerly 126.286) The study of first language acquisition from infancy through childhood. Aspects of phonology, morphology, pragmatics and syntax acquisition are discussed, as well as formal theories of acquisition, second language and bilingual acquisition, atypical development and the relationship of language acquisition with literacy. Also offered as PSYC 2860. Students may not hold credit for both LING 2860 (126.286) and PSYC 2860. Prerequisite: [a grade of "C" or better in LING 1200 (126.120) or PSYC 1200 (017.120) or the former PSYC 1201 (017.201)] or [a grade of "C" or better in both PSYC 1211 (017.121) and PSYC 1221 (017.122) or written consent of instructor.

**NET CHANGE IN CREDIT HOURS: 0**

## Psychology

Introduction:

PSYC 2860 Language Acquisition Cr.Hrs. 3

+3

The study of first language acquisition from infancy through childhood. Aspects of phonology, morphology, pragmatics and syntax acquisition are discussed, as well as formal theories of acquisition, second language and bilingual acquisition, atypical development and the relationship of language acquisition with literacy. Also offered as LING 2860. Students may not

hold credit for both PSYC 2860 and LING 2860 (126.286). Prerequisite: [a grade of “C” or better in PSYC 1200 (017.120) or LING 1200 (126.120) or the former PSYC 1201 (017.201)] or [a grade of “C” or better in both PSYC 1211 (017.121) and PSYC 1221 (017.122) or written consent of instructor.

**NET CHANGE IN CREDIT HOURS: +3**

Sociology

Introduction:

SOC 3400 Policing and Crime Prevention Cr.Hrs. 3 +3  
The sociological study of the organization and operation of the police and the evidence-based prevention of crime. Topics include the history and role and functions of the police, police culture and socialization, strategies and tactics, police deviance and ethics, future policing trends, and methods of crime prevention. Students may not hold credit for both SOC 3400 and SOC 3740 (077.374) with topic “Policing and Crime Prevention”. Prerequisite: [a grade of “C” or better in SOC 2510 (077.251) or SOC 2511 (077.251)] or written consent of instructor.

Modification:

SOC 3380 Power Politics and the Welfare State Cr.Hrs. 3  
A critical evaluation of sociological theory and research focusing on power and politics in society. Topics covered include: the dimensions of power (economic, political, ideological), classes and class conflict, political socialization, the origin and nature of the state, and the welfare state. Students may not hold credit for SOC 3380 and any of: SOC 3471 (077.347) or the former SOC 3470 (077.347). Prerequisite: [a grade of “C” or better in SOC 1200 (077.120) or SOC 1201 (077.120)] or [a grade of “C” or better in both SOC 1211 (077.121) and SOC 1221 (077.122)] or written consent of department head.

**NET CHANGE IN CREDIT HOURS: +3**

Program modifications:

- Revisions to the General Major Sociology, General Major Criminology, Advanced Major Sociology, Honours Single Sociology and Honours Double Sociology Programs

Added material

~~Deleted material~~

8.26.3 Sociology, Department Code: 077			
UNIVERSITY 1	YEAR 2	YEAR 3	YEAR 4
<b>GENERAL MAJOR SOCIOLOGY TOTAL: 30 CREDIT HOURS</b>			
SOC 1200 or SOC 1211 and SOC 1221 • SOC 2220			
• SOC 2290			
• one of SOC 3310, SOC 3330, SOC 3350, SOC 3360, SOC 3380, SOC 3390, <u>SOC 3700</u>			
• 12 credit hours in Sociology courses numbered at the 2000 or 3000 level			
<b>GENERAL MAJOR CRIMINOLOGY TOTAL: 30 CREDIT HOURS</b>			
SOC 1200 or SOC 1211 and SOC 1221 SOC 2290, SOC 2510, SOC 2610		12 credit hours from SOC 3100, SOC 3310, SOC 3700, SOC 3710, SOC 3720, SOC 3740, SOC 3750, SOC 3790, SOC 3830, SOC 3850, SOC 3860, SOC 3880, <u>SOC 3400</u>	
<b>ADVANCED MAJOR SOCIOLOGY (NOT CURRENTLY OFFERED) TOTAL: 48 CREDIT HOURS</b>			
SOC 1200 or SOC 1211 and SOC 1221 • SOC 2220, SOC 2290, SOC 2330		18 credit hours in Sociology courses numbered at the 2000 or 3000 level	
• one of SOC 2390, SOC 3370, SOC 3810, SOC 3890			
• one of SOC 3310, SOC 3330, SOC 3350, SOC 3360, SOC 3380, SOC 3390, <u>SOC 3700</u>			
• 6 credit hours in Sociology courses numbered at the 2000 or 3000 level			
<b>HONOURS SINGLE <sup>1</sup></b>			
SOC 1200 or SOC 1211 and SOC 1221 • SOC 2010, SOC 2220 and SOC 2290		• 9-6 credit hours from SOC 3310, SOC 3330, SOC 3350, SOC 3360, SOC 3380, SOC 3390, <u>SOC 3700</u>	
• 6 credit hours in Sociology		• SOC 4450, SOC 4460, SOC 4560, SOC 4570 and SOC 4580	
• 12 credit hours in ancillary options		• 6 credit hours in ancillary options	
<b>HONOURS DOUBLE <sup>1</sup></b>			
SOC 1200 or SOC 1211 and SOC 1221 • SOC 2010, SOC 2220 and SOC 2290		• 9-6 credit hours from SOC 3310, SOC 3330, SOC 3350, SOC 3360, SOC 3380, SOC 3390, <u>SOC 3700</u>	
• At least 36 credit hours in other Honours field		• SOC 4450, SOC 4460, SOC 4560, SOC 4570 and SOC 4580	
• At least 6 credit hours in ancillary options		• 3 credit hours in Sociology courses numbered at the 2000 or 3000 level	
<b>NOTE:</b>			
<sup>1</sup> Ancillary options are courses taken from outside the Honours field of study.			

## Women's and Gender Studies

Program modifications:

List A modification to add ECON 2362 Economics of Gender (3) and to flag as no longer offered ECON 2360 Women in the Canadian Economy (6).

**NET CHANGE IN CREDIT HOURS: 0**

## Faculty of Dentistry

### Introductions:

DDSS 1100 Periodontology 1 Cr.Hrs. 1 +1  
Predominately a pre-clinical laboratory course designed to introduce students to periodontal examination procedures and to basic non-surgical periodontal therapy. May not be held with DDSS 1020.

DDSS 1110 Radiology 1 Cr.Hrs.1 +1  
A series of lectures which introduces the student to: the elementary principles of dental radiology; radiation physics, radiation biology, imaging techniques, x-ray equipment and radiation protection. May not be held with DDSS 1140.

DENT 1202 Early Clinical Experience Cr.Hrs.3 +3  
A series of lectures and clinical participation sessions designed to introduce the student to clinical dentistry and the relevance of basic science courses in the dental curriculum. May not be held with DENT 1010. Course evaluated on a pass/fail basis.

ORLB 1302 Cell and Tissue Biology Cr.Hrs.4 +4  
Structure, function and chemical composition of eukaryotic cells and oral bacteria will be studied. Taste signaling, diseases, and molecular interactions within and between cells and the immune system will be described in detail. May not be held with ORLB 1050.

ORLB 1310 Head, Neck and Nervous System, Part 1 Cr.Hrs.4 +4  
Gross anatomy of the head and neck are described and observed by regional dissection. Overviews of the nervous system and surface anatomy of the mouth are included. May not be held with ORLB 1060.

ORLB 1320 Head, Neck and Nervous System, Part 2 Cr.Hrs.3 +3  
An introduction to the structure and function of the central and peripheral nervous systems and associated structures, the neurophysiology and the stomatognathic system, pain and analgesics. May not be held with ORLB 1070.

ORLB 1330 Human Growth and Development Cr.Hrs.3 +3  
Human development from the origin of the reproductive cells through fertilization, conception, embryonic/fetal development, birth, growth and aging. Particular emphasis is given to development and growth of structures of the head and neck. May not be held with ORLB 1080.

ORLB 1340 Oral Tissues, Structure and Function Cr.Hrs.3 +3  
This course is designed to present the normal morphology, developmental biology, biochemical structure, metabolism and functions of the dentition and para oral tissues, cartilage, bone and exocrine glands of the head and neck. Structural functional aspects of oral anatomy, biochemistry/molecular biology and physiology will be included. May not be held with ORLB 1090.

PDSD 1400 Orthodontics 1 Cr.Hrs.2 +2  
A series of lectures, workshops and practica designed to introduce the student to the orthodontic perspectives of applied: growth and development of craniofacial structures, relationship of craniofacial growth to general body growth, cephalometric and facial analysis, etiology and classification of malocclusion, development of the dentition, basic biomechanics

and preliminary orthodontic wire bending and manipulation in orthodontics. May not hold with PDSD 1020.

RSTD 1500 Dental Materials 1 Cr.Hrs.2 +2

This course introduces the materials commonly used in dental practice. Composition, chemistry, properties, manipulation and manipulative variables are covered by lecture, laboratory exercises and demonstrations. May not be held with RSTD 1070.

RSTD 1512 Operative Dentistry 1 Cr.Hrs.6 +6

A lecture and laboratory course introducing the fundamentals of operative dentistry. Lectures and laboratory exercises in the principles of cavity preparation, utilization of rotary and hand instruments and manipulation, placement and finishing of restorative materials are presented. May not be held with RSTD 1100.

RSTD 1520 Dental Anatomy Cr.Hrs.3 +3

A lecture and laboratory/seminar course introducing dental terminology, tooth identification, dental morphology and concepts of dental anatomy as it relates to the intraoral functional relationship. May not be held with RSTD 1110.

RSTD 1530 Occlusion Cr.Hrs.2 +2

A lecture and laboratory course designed to introduce the student to the concepts of dental occlusion and the relationship between the anatomy of the teeth and the TMJ. May not be held with RSTD 1110.

RSTD 1540 Introduction to Dentistry Cr.Hrs.3 +3

A series of lectures and seminars which introduce the student to the profession, its structure and governance. Professionalism, dental ethics and communication skills are also introduced. May not be held with RSTD 1120. Course evaluated on a pass/fail basis.

Deletion:

DDSS 4080 Psychiatry Cr.Hrs. 6 -6

**NET CHANGE IN CREDIT HOURS: +34**

Program modifications:

***First year program requirements for students entering the faculty 2011-2012***

	<i>Credit hours</i>
DDSS 1100 Periodontology 1	1
DDSS 1110 Radiology 1	1
DENT 1202 Early Clinical Experience	3
ORLB 1302 Cell and Tissue Biology	4
ORLB 1310 Head, Neck and Nervous System, Part 1	4
ORLB 1320 Head, Neck and Nervous System, Part 2	3
ORLB 1330 Human Growth and Development	3
ORLB 1340 Oral Tissues, Structure and Function	3
PDSD 1400 Orthodontics 1 (2), RSTD 1500 Dental Materials 1	2
RSTD 1512 Operative Dentistry 1	6
RSTD 1520 Dental Anatomy	3
RSTD 1530 Occlusion	2
RSTD 1540 Introduction to Dentistry	3



**Fourth year program requirements**

DDSS 4080 Psychiatry	6
DDSS 4130 Hospital Dentistry	6
DDSS 4200 Oral Diagnosis and Radiology 2	6
DDSS 4210 Oral and Maxillofacial Surgery 2	6
DENT 4020 Interdisciplinary Case Studies	30
DENT 4030 General Practice Clinic	6
PDSD 4050 Pediatric Dentistry 3	6
PDSD 4060 Orthodontics 4	6
PDSD 4080 Community Dentistry Externship	6
RSTD 4060 Endodontic Seminars	6
RSTD 4160 Dental Jurisprudence	6
RSTD 4170 Practice Management	6

**Faculty of Education**

Introduction:

EDUB 1614 K-8 Curriculum Studies Cr.Hrs. 3 +3

A focused study of the philosophy, purposes and content of K – 8 provincial curriculum documents; current learning theories, teaching approaches and instructional planning in both discipline-based and interdisciplinary contexts; and assessment and evaluation of student learning. Not to be held with EDUB 1840 where the course section taken was “General Curriculum”.

Modification:

EDUB 5510 ESL Materials Development and Practicum Cr.Hrs. 3  
(formerly 132.155) A general survey of published ESL instructional materials will form the basis for students to develop lesson materials to be demonstrated in a supervised practicum. Not to be held with the former 063.587. Prerequisite or concurrent: EDUB 5580 and instructor's permission.

**NET CHANGE IN CREDIT HOURS: +3**

Program modification:

**4.3 Program Requirements**

Year 4: Faculty of Education/Music Program

MUSC 3970	Music of the 20th Century 2
MUSC 4180	Ensemble
MUSC 4190	Ensemble
MUSC 4470	Major Practical Study
EDUB 2240	Teaching Music in Senior Years
	<b>Or <sup>1</sup></b>
EDUB 2160	Teaching Music in Early/Middle Years
	Music Specialization
	Teachable Minor* (see **)

<sup>1</sup> **Students with Instrumental & Choral Specializations will take EDUB 2240 and students with Early/Middle Specialization will take EDUB 2160.**

Total credit hours

Summer Session

EDUB 1950

Integrated Programs School Experience 2

\*\* Prior to beginning Year 5 all students must have completed the Aboriginal Education Requirement and the Special Education/Diversity Requirement which is defined as 3 credit hours Aboriginal Education (EDUA 1500 Aboriginal Education or EDUB 1602 Aboriginal Perspectives and the Curriculum) and 3 credit hours Special Education/Diversity (EDUA 1540 Cross Cultural Education, EDUB 1620 Principles and Procedures of Second Language Teaching, or EDUB 1820 Language and Content Instruction of ESL/Bilingual Students).

Year 5: Faculty of Education/Music Program

EDUB 2980

Senior Years School Experience

EDUA 1800

Psychology of Learning and Instruction 1: Theory and Practice

EDUA 1810

School and Society 1: The Foundations of Education

EDUB 1990

Teacher and Technology

EDUA 2800

Psychology of Learning and Instruction 2: Inclusive Special Education

EDUA 2810

School and Society 2: The Administrative Foundations of Education

EDUB 2500

Themes in Senior Years Education (for Early/Middle Years specialization, students ~~may~~ **must** take a 3 credit hour Education complementary course)

EDUB 2510

Language and Literacy Across the Curriculum (for Early/ Middle Years specialization, students ~~may~~ **must** take a 3 credit hour Education complementary course)

~~EDUB 1XXX~~

**Complementary course**

Students with a Music teachable minor take an Education complementary course (admitted to Faculty of Education September 2008 or earlier). \*\* ~~Students admitted September 2009 and beyond take a Year 1 Curriculum & Instruction course for their minor. \*\*~~

**or**

**EDUB 1XXX**

**Students with a Choral or Instrumental Specialization will take a Year 1 Curriculum & Instruction course for their minor.\***

**or**

**EDUB 1840**

**Students with an Early/Middle Specialization will take EDUB 1840 General Curriculum (new EDUB 1614 K-8 Curriculum Studies)**

Students who complete the above program of studies satisfactorily receive a Bachelor of Music degree and a Bachelor of Education degree. Students are expected to maintain academic standards consistent with the granting of the degrees in non-integrated programs.

\*For listing of teachable minors, see Senior Years teachable major/minor chart in section 4.

\*\*Only those students admitted into their 3rd year in the Faculty of Education for September 2008 and earlier are permitted a 2<sup>nd</sup> music specialization.

Where two areas of music specialization have been selected to fulfil the requirements of two teachables, three credit hours of coursework common to both areas will be counted to satisfy requirements of both areas (students admitted to the Faculty of Education September 2008 or earlier)

## Faculty of Engineering

### Program modification to the Preliminary Engineering Program:

#### **CURRENT PROGRAM**

CHEM 1300	Structure and Modelling in Chemistry (3)
COMP 1012	Computer Programming for Scientists and Engineers (3)
ENG 1430	Design in Engineering (3)
ENG 1440	Introduction to Statics (3)
ENG 1450	Introduction to Electrical and Computer Engineering (3)
ENG 1460	Introduction to Thermal Sciences (3)
ENG 1310	Literary Topics 1 (3)
MATH 1210	Techniques of Classical and Linear Algebra (3)
MATH 1510	Applied Calculus 1 or equivalent (3) (Note 1)
MATH 1710	Applied Calculus 2 or equivalent (3) (Note 2)
PHIL 1290	<b>Critical Thinking 1 (3)</b>
PHYS 1050	Physics 1: Mechanics (3)

#### **Note:**

1. MATH 1500 and MATH 1510 are regarded as equivalent to each other.
2. MATH 1700 and MATH 1710 are regarded as equivalent to each other.
3. MATH 1690 may be regarded to being equivalent to one course for (1) and one courses from (2).
4. MATH 1300 is not an acceptable equivalent to MATH 1210.

#### **PROPOSED PROGRAM**

CHEM 1300	Structure and Modelling in Chemistry (3)
COMP 1012	Computer Programming for Scientists and Engineers (3)
ENG 1430	Design in Engineering (3)
ENG 1440	Introduction to Statics (3)
ENG 1450	Introduction to Electrical and Computer Engineering (3)
ENG 1460	Introduction to Thermal Sciences (3)
ENG 1310	Literary Topics 1 (3)
MATH 1210	Techniques of Classical and Linear Algebra (3) [Note 4]
MATH 1510	Applied Calculus 1 or equivalent (3) [Note 1 and 3]
MATH 1710	Applied Calculus 2 or equivalent (3) [Note 2 and 3]
PHYS 1050	Physics 1: Mechanics (3)
<b>XXXX xxxx</b>	<b>Complementary Studies Elective [Note 5]</b>

#### **Note:**

1. MATH 1500 and MATH 1510 are regarded as equivalent to each other.
2. MATH 1700 and MATH 1710 are regarded as equivalent to each other.
3. MATH 1690 may be regarded to being equivalent to one course for (1) and one courses from (2).
4. MATH 1300 is not an acceptable equivalent to MATH 1210.
5. **PHIL 1290 Critical Thinking** is the recommended complementary studies elective. However, students may select any course from the Faculty of Arts or the Faculty of Management at the 1000 level or above, with the exception of **ARTS 1110 Introduction to the University** which may not be held for credit within the Faculty of Engineering.

### Department of Biosystems Engineering

#### Modification:

BIOE 4530 Analysis and Design of Biomachinery Cr.Hrs. 4

Design of machines for bioprocessing; traction mechanics and tractor chassis mechanics; power transmission components; functional requirements for field and process machines; fluid power hydraulics. Prerequisite: BIOE 2580 (or 034.258).

**NET CHANGE IN CREDIT HOURS: 0**

### Department of Civil Engineering

#### Introduction:

CIVL 4020 Masonry Design and Construction Cr.Hrs. 4

+4

Fundamentals of masonry materials and structures. Introduction to the building codes that govern masonry design. Advanced design procedures for masonry members and structures. Single-story and multi-story building design. Prerequisite: CIVL 3760.

**NET CHANGE IN CREDIT HOURS: +4**

### Department of Electrical and Computer Engineering

#### Modifications:

ECE 3010 Elements of Electric Machines and Digital Systems Cr.Hrs. 4

Introduction to elementary concepts in ac circuits, electric machines, and digital sub-systems. Topics include electrical impedance, capacitors, inductors, electric motors, logic gates, decoders, multiplexing, flip flops, registers, microprocessor structures, I/O and data acquisition. Not available to students in Electrical or Computer Engineering. Prerequisites: ENG 1450, MATH 2132, and a year class designation of Year 3 or Year 4.

ECE 3730 Principles of Embedded Systems Design Cr.Hrs. 4

This course will introduce students to the design and implementation of embedded systems. Topics include introduction to UML and data structures, A to D, D to A, serial bus architecture, embedded computing, bus-based computer systems, program design and analysis, networks, hardware-software co-design. Prerequisite: ECE 2160, ECE 3610, COMP 1010 or COMP 1012.

**NET CHANGE IN CREDIT HOURS: 0**

### Faculty of Human Ecology

#### Introductions:

HMEC 2000 Research Methods and Presentation Cr.Hrs. 3

+3

An introduction to research designs, methods and techniques, as well as the practice of disseminating results, in the context of selected determinants of health. Applications in natural

and social sciences will be presented. Skills related to presenting research findings will be taught. Prerequisite: STAT 1000 (005.100). Not to be held with HMEC 2050 (028.205).

Modification:

HMEC 3500 Developmental Health Cr.Hrs. 3

This course examines how social inequalities affect population health across the lifespan. It is guided by the determinants of health with a particular focus on socioeconomic variables. Local, provincial, national and international perspectives provide meaningful insight into the roles of equality and inequality. Prerequisite: any 2000 level research methods course.

### NET CHANGE IN CREDIT HOURS: +3

Program modification:

~~deleted~~

**added**

#### Human Ecology Program

##### Students Admitted in September 2011 or Later

Course No.		Credit Hours
ECON 1010 and ECON 1020	or ECON 1210 and ECON 1220 or the former ECON 1200	6
	Six credit hours from: ECON 2280, ECON 2310, ECON 2390, ECON 2400, ECON 2540, ECON 2550	6
FMLY 1020	Family Issues across the Lifespan	3
	Six credit hours from FMLY 1010, FMLY 1420 or FMLY 1012	6
FMLY 2350	Multicultural Family Issues	3
<del>HMEC 2030</del>	<del>Human Ecology: Perspectives and Communication</del>	<del>3</del>
<del>HMEC 2050</del>	<del>Introduction to Research in Human Ecology</del>	<del>3</del>
HMEC 3100	Communication for Professional Practice	3
<b>HEAL 2600</b>	<b>Integration of Health Determinants of Individuals</b>	<b>3</b>
<b>HMEC 2000</b>	<b>Research Methods and Presentation</b>	<b>3</b>
HNSC 1200	Food: Facts and Fallacies	3
HNSC 1210	Nutrition for Health and Changing Lifestyles	3
HNSC 2130	Nutrition through the Life Cycle	3
NATV 1200	The Native Peoples of Canada, or	6
NATV 1220 and	The Native Peoples of Canada Part 1	
NATV 1240	The Native Peoples of Canada Part 2	
STAT 1000	Basic Statistical Analysis	3
PSYC 1200	Introduction to Psychology	6
Or	or	
SOC 1200	Introduction to Sociology	
TXSC 1600	Textiles for Living	3
TXSC 1610	Textiles, Products and Consumers	3
	Science course as defined by the Faculty of Science	3
	Faculty Electives (at least 9 credit hours at 3000 or 4000 level; HMEC 4090, Practicum is highly recommended.	24

## Department of Family Social Sciences

### Modifications:

FMLY 3780 Introduction to the Development of Programs for Children and Families Cr.Hrs. 3 (formerly 062.378) An introduction to the theory and practice of program development with special emphasis on programs for children and families. The course will cover techniques for conducting need assessments, as well as the process of planning and implementing programs to address community need. Prerequisite: HMEC 2000 or HMEC 2050 (028.205).

FMLY 3790 Introduction to the Evaluation of Programs for Children and Families Cr.Hrs. 3 (formerly 062.379) An introduction to the theory and practice of program evaluation with special emphasis on child and family programs. Considers the purpose of evaluation, types of evaluation, evaluation design and analysis, and the evaluation process. Prerequisite: HMEC 2000 or HMEC 2050 (028.205).

### **NET CHANGE IN CREDIT HOURS: 0**

### Program modification:

#### **Social Development Option**

FMLY 2012 Development, Conflict, and Displacement

FMLY 3012 Social Development Policies

FMLY 4012 Theories of Social Development

At least 3 credit hours from:

HMEC or Social Aspects of Aging

SWRK or

REC 2650

FMLY 2800 Family Violence

FMLY 3240 Families in Later Years

FMLY 3400 Families as Consumers

FMLY 3800 Conflict Resolution in the Family

FMLY 3804 Violence Against Children in the Family

FMLY 4330 Management of Family Stress

FMLY 4400 Family Economics, Poverty and Wealth

FMLY 4600 Risk and Resilience in Behavioural and Social Development

FMLY 4602 Family Relationships, Health and Well-Being

FMLY 4480 Work and Family Issues

#### **At least 6 credit hours from:**

ANTH 1220 Cultural Anthropology

~~ANTH 2390 Social Organization in Cross-Cultural Perspective~~

~~ANTH 2570 Urban Anthropology~~

~~ANTH 3380 Anthropology and Contemporary Social Issues~~

~~EVCP 3350 History of the City~~

~~EVCP 3350 Planning and Design for Shelter~~

~~EVDS 1610 Theory of Design 1~~

~~GEOG 2640 Geography of Culture and Inequality~~

~~GEOG 3460 Urban Geography~~

SOC 2320 Canadian Society and Culture

~~SOC 2390 Social Organization~~

**SOC 3890 Power and Inequality in Comparative Perspective**

SWRK 2050 Community and Organizational Theory

#### **OR at least 6 credit hours from:**

~~NATV 1200 The Native Peoples of Canada~~

NATV 1220 The Native Peoples of Canada, Part 1

NATV 1240 The Native Peoples of Canada, Part 2

~~NATV 2100 Aboriginal Spirituality~~  
~~NATV 3240 Native Medicine and Health~~  
~~NATV 4230 Traditional Knowledge and Native Studies Research~~

**OR at least 6 credit hours from:**

***LABR 3220 Global Sweatshops, Global Struggles***

***POLS 1000 Democracy and Development***

~~POLS 2070 Introduction to Canadian Government~~

***POLS 4710 Political Theory and the Family***

~~POLS 2510 Great Political Thinkers~~

~~POLS 3160 Human Rights and Civil Liberties~~

~~POLS 3600 Political Concepts~~

~~POLS 3670 Canadian Political Parties~~

~~WOMN 1540 Introduction to Women's Studies in Social Sciences~~

~~WOMN 2500 Race, Class and Sexuality~~

~~WOMN 1600 Introduction to Women's and Gender Studies in the Social Sciences~~

### Department of Human Nutritional Sciences

Introduction:

HNSC 3870 Food Geographies Cr.Hrs. 3

+3

This course provides a critical examination of the geographies of food at a variety of scales, from the body to the global. The course focuses on themes in three interconnected areas: 1) food production and the global food system from farm to plate including agribusiness and alternative food production and distribution models; 2) food consumption habits and beliefs and foodways as geographically contingent material culture; and 3) food (in)security and its relationship to health and wellbeing. This course is cross-listed with GEOG 3870. Prerequisites: A grade of "C" or better in GEOG 1280, GEOG 1281, GEOG 1200 or HNSC 1200, or permission of the department head.

Modification:

HNSC 4160 Seminar in Foods and Nutrition Cr.Hrs. 3

A critical study of research in the field of foods and nutrition: oral and written reports required. Restricted to 4<sup>th</sup> year majors in the Department. Prerequisites: Completion of 84 credit hours in the HNS program and HMEC 2000 or HMEC 3100 (028.310).

**NET CHANGE IN CREDIT HOURS: +3**

### Department of Textile Sciences

Modifications:

TXSC 3500 Textiles for the Healthcare Sector Cr.Hrs. 3

(formerly 064.350) This course covers the recent developments of a range of technical textiles for the healthcare sector, including implantable textiles, barrier fabrics, and smart textiles. Prerequisite: TXSC 2610 (064.261) and [HMEC 2000 or HMEC 2050 9028.205) or any 2000-level or 3000-level research method course] and CHEM 1000 (002.100) or CHEM 1300 (002.130). Not to be held with 064.347 which was offered from September 2004 to September 2005/2006.

TXSC 3600 Global Apparel and Textiles Trade Cr.Hrs. 3  
(formerly 064.360) Covers the role of apparel and textiles trade in economic growth and development of industrialized, transitional, and developing nations. It will take into account the evolution of trade relations among apparel and textile producing countries and regions. Prerequisite: TXSC 2620 (064.262) and [ECON 1010 and ECON 1020 (or ECON 1200 (018.120) or (ECON 1210 (018.121) and ECON 1220 (018.122))] and [HMEC 2000 or HMEC 2050 (028.205)]. Not to be held with the former 064.340.

TXSC 3610 Product Standards and Specifications Cr.Hrs. 3  
(formerly 064.361) Challenge students to apply their knowledge and skills gained in TXSC 2600, TXSC 2610 and TXSC 2620 to develop textiles and textile product standards and specifications for various forms of product development (e.g. private label, national brands, licensed goods) where there are no known precedents. Students will learn the process of developing product standards by working on case studies. Textile products will include apparel and non-apparel end uses. Prerequisites: TXSC 3620 (064.362) and [HMEC 2000 or HMEC 2050 (028.205)]. Not to be held with 064.220 or 064.221 or 064.337.

TXSC 3650 Production of Textile Products Cr.Hrs. 3  
(formerly 064.365) Covers the role of production in the product development process. Students will learn the terminology which meets industrial standards, the most commonly used production techniques for apparel and non-apparel products, time studies, costing, development of specifications, manufacturing systems, and selected test methods for quality management. Prerequisites: TXSC 2630 and [HMEC 2000 or HMEC 2050 (028.205)]. Not to be held with 064.224 and 064.342.

TXSC 4500 Advanced Textiles for the Healthcare Sector Cr.Hrs. 3  
Covers the latest developments in technical textiles for the healthcare sector and the measurement of attributes which are essential to the performance of textiles for medical or healthcare end uses. Prerequisites: A grade of "C" or better in: [TXSC 2600 (064.260) and TXSC 2610 (064.261) and TXSC 3620 (064.362) and TXSC 3500 (064.350)] and CHEM 2220 (002.222).

TXSC 4620 Colour Management Cr.Hrs. 3  
Covers the basic concepts and principles of colour science, the process of determining seasonal colour palette, colour specification systems, colour notation systems, commercial colour identification systems, the colour approval process in industrial, institutional, and consumer goods settings, colour measurement, and interpretation of colour data. Students will learn the process of preserving colour integrity throughout the supply chain. Prerequisite: TXSC 3610 (064.361). Not to be held with the former 064.339 or 064.430.


TXSC 2500 Preparation for Product Development Cr.Hrs. 1  
Designed for students with little or no background in textile product assembly or for students who require a refresher course. This course provides an orientation to textile product assembly equipment, construction, techniques, and terminology. Students must pass this course before they will be permitted to continue in TXSC 2630. For Textile Sciences students only. NOTE: The credit associated with this course will not be counted toward the minimum credit hour requirements of the Textile Sciences degree. (Pass/fail grade).

**NET CHANGE IN CREDIT HOURS: 0**



## Interdisciplinary Health Program

Program modification:

A. Old Courses Numbers 	A. New Course Numbers
<ul style="list-style-type: none"> <li>• <i>Arts</i> <b>PSYC 3440</b> Perception</li> <li>• <i>Business</i> <b>ACC 2000</b> Information Systems for Management <b>ACC 3500</b> Database Management Systems <b>ACC 3510</b> Systems Analysis and Design <b>ACC 3520</b> Data Communications and Knowledge <b>GMGT 4410</b> Staffing and Management Development <b>GMGT 4480</b> Collective Bargaining and Administration <b>GMGT 4420</b> Compensation</li> <li>• <i>Human Ecology</i> <b>FMLY 1900</b> Families, Housing and Community: An Introductory Perspective <b>FMLY 2900</b> Families, Housing and Community: A Development Perspective <b>FMLY 3900</b> Families, Housing and Community: A Policy Perspective <b>FMLY 4900</b> Families, Housing and Community: An Action Perspective</li> <li>• <i>Kinesiology and Recreation Management</i> <b>PHED 1200</b> Physical Activity, Health and Wellness <b>PHED 2610</b> Health and Physical Aspects of Aging</li> </ul>	<ul style="list-style-type: none"> <li>• <i>Arts</i> <b>PSYC 3160</b> Perception and Attention</li> <li>• <i>Business</i> <b>MIS 2000</b> Information Systems for Management <b>MIS 3500</b> Database Management Systems <b>MIS 3510</b> Systems Analysis and Design <b>MIS 3520</b> Data Communications and Networking <b>HRIR 4410</b> Staffing and Management Development <b>HRIR 4480</b> Collective Bargaining and Administration <b>HRIR 4420</b> Compensation</li> <li>• <i>Human Ecology</i> <b>FMLY 1012</b> Introduction to Social Development  <b>FMLY 2012</b> Development, Conflict and Displacement  <b>FMLY 3012</b> Theories of Social Development  <b>FMLY 4012</b> Social Development Policies</li> <li>• <i>Kinesiology and Recreation Management</i> <b>PERS 1200</b> Physical Activity, Health and Wellness <b>KIN 2610</b> Health and Physical Aspects of Aging</li> </ul>

**A. Old Courses Numbers (Continued)**

- *Science*
- BOTN 2460**  
Genetics 1
- MBIO 2100**  
General Microbiology A
- MBIO 2110**  
General Microbiology B
- MBIO 4320**  
Environmental Microbiology
- ZOOL 2150**  
Developmental Biology
- ZOOL 2180**  
Introductory Toxicology
- ZOOL 2280**  
Cell Biology
- ZOOL 2530**  
Human Physiology 1
- ZOOL 2540**  
Human Physiology 2
- ZOOL 3060**  
Comparative Animal Histology
- ZOOL 3460**  
Introduction to Parasitology
- ZOOL 3530**  
Control System Physiology
- ZOOL 2290**  
Introduction Ecology
- BOTN 3280**  
Medicinal and Hallucinogenic Plants
- BOTN 3460**  
Genetics 2
- ZOOL 2320**  
Introduction to Chordate Zoology
- ZOOL 2370**  
Principles of Ecology
- ZOOL 3070**  
Advanced Developmental and Cellular Biology
- ZOOL 4270**  
Genes and Development

**A. New Course Numbers (Continued)**

- *Science*
- BIOL 2500**  
Genetics 1
- MBIO 1010 & 3030**  
Microbiology I/III
- MBIO 2020**  
Microbiology II
- MBIO 4480**  
Microbes in our Environment
- BIOL 2540**  
Developmental Biology
- BIOL 2380**  
Introductory Toxicology
- BIOL 2520**  
Cell Biology
- BIOL 2410**  
Human Physiology 1
- BIOL 2420**  
Human Physiology 2
- BIOL 3560**  
Comparative Animal Histology
- BIOL 3270**  
Introduction to Parasitology
- BIOL 3470**  
Environmental Physiology of Animals I
- BIOL 2390**  
Introduction Ecology
- BIOL 3290**  
Medicinal and Hallucinogenic Plants
- BIOL 3500**  
Genetics 2
- BIOL 2210**  
The Chordates
- BIOL 2300**  
Principles of Ecology
- BIOL 3540**  
Advance Developmental and Cellular Biology
- BIOL 4542**  
Genes and Development

**B. New Additions to the List**

## Science Orientation Courses

- *Environment, Earth and Resources*  
**ENVR 3400**  
Introduction to Environment and Health  
**ENVR 4400**  
Advanced Issues in Environment and Health
- *Human Ecology*  
**HNSC 3342**  
Management for Food and Nutrition Professionals  
**HNSC 4300**  
Community Nutrition Intervention  
**HNSC 4310**  
Nutrition and the Elderly  
**HNSC 4340**  
Maternal and Child Nutrition  
**HNSC 4350**  
Nutrition in Exercise and Sport
- *Science*  
**MBIO 2410**  
Essentials of Molecular Biology

## Social Science Orientation Courses

- *Arts*  
**PSYC 3130**  
Introduction to Health Psychology  
**SOC 3660**  
Sociology of Mental Disorder  
**SOC 2620**  
The Sociology of Aging  
**SOC 3770**  
Women, Health and Medicine

**C. Courses Being Deleted**

## Program Electives Deleted:

- *Arts*  
**ANTH 1210**  
Human Origins and Antiquity  
**ANTH 1220**  
Cultural Anthropology  
**ECON 1210**

<p>Introduction to Canadian Economic Issues and Policies  <b>PHIL 1290</b>  Critical Thinking  <b>PSYC 1200</b>  Introduction to Psychology  <b>SOC 1200</b>  Introduction to Sociology</p> <ul style="list-style-type: none"> <li> <i>Science</i>  <b>BIOL 1000</b>  Biology: Foundations of Life  <b>BIOL 1020</b>  Biology 1: Principles and Themes  <b>BIOL 1030</b>  Biology 2: Biological Diversity, Function and Interactions  <b>CHEM 1300</b>  Structure and Modeling in Chemistry  <b>CHEM 1310</b>  An Introduction to Physical Chemistry  <b>COMP 1260</b>  Introductory Computer Usage 1  <b>STAT 1000</b>  Basic Statistical Analysis 1  <b>ZOOL 1320</b>  Human Anatomy of the Human Body  <b>ZOOL 1330</b>  Physiology of the Human Body</li> </ul> <p><b>D. No Longer Offered:</b></p> <ul style="list-style-type: none"> <li> <i>Architecture</i>  <b>IDES 2650</b>  The Social Aspects of Aging</li> <li> <i>Arts</i>  <b>SOC 2340</b>  Socialization</li> <li> <i>Environment, Earth, and Resources</i>  <b>ENVR 4210</b>  Environmental Health 1  <b>GEOG 1200</b>  Introductory Geography</li> </ul>	
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<p><b>D. No Longer Offered (Continued):</b>  <b>GEOG 2430</b>  Political Geography</p> <ul style="list-style-type: none"> <li>• <i>Science</i>  <b>MBIO 3410</b>  Molecular Biology  <b>ZOOL 2190</b>  Toxicology Principles</li> </ul> <p><b>E. Removed by the Request of the Faculty/Department:</b></p> <ul style="list-style-type: none"> <li>• <i>Dentistry</i>  <b>HYGN 134</b>  Communications</li> <li>• <i>Medicine</i>  <b>CHSC 4010</b>  Public Health and Preventative Medicine  <b>ANAT 1030</b>  Human Anatomy</li> <li>• <i>Pharmacy</i>  <b>PHRM 1000</b>  Introduction to Pharmacy</li> </ul> <p><b>F. No New additions, Replacements, or Changes</b></p> <ul style="list-style-type: none"> <li>• Architecture (no response)</li> <li>• Agriculture and Food Science (no response)</li> <li>• Nursing (no changes)</li> <li>• Social Work (no changes)</li> </ul>	
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### Faculty of Kinesiology and Recreation Management

#### Deletion:

KIN 4300 Health and Wellness Practices in Athletic Therapy Cr.Hrs. 3

-3

#### Modification:

REC 4170 Sport Management Cr.Hrs. 3

An in-depth coverage of sport management, focusing on Canadian amateur sport systems (municipal, provincial, national) and professional sport organizations. Prerequisite: REC 2400 (C).

**NET CHANGE IN CREDIT HOURS: -3**

## Program modification:

### Program Requirements: Bachelor of Kinesiology

#### Year 1 - University 1: 30 credit hours

Course No.	Credit Hours
BIOL 1XXX BIOL 1020 Biology 1: Principles and Themes and BIOL 1030 Biology 2: Biological Diversity, Function and Interaction (with a minimum grade of "C" in each) <u>or</u> BIOL 1000 Biology: Foundations of Life and BIOL 1010 Biological Diversity and Interaction (with a minimum grade of "C+")	6
PERS 1200 Physical Activity, Health and Wellness	3
PERS 1400 Concepts of Recreation and Leisure	3
PERS 1500 Foundations of Physical Education and Kinesiology	3
PSYC 1200 Introduction to Psychology	6
W Written English Requirement	3
STAT 1000 Basic Statistical Analysis 1	3
Electives	3

#### Year 2: 30 credit hours

Course No.	Credit Hours
BIOL 2410 Human Physiology 1	3
BIOL 2420 Human Physiology 2	3
PERS 2100 Introduction to Professional Practice	3
PERS 2200 Program Planning Principles	3
PERS 3350 Introduction to Research	3
KIN 2320 Human Anatomy	3
KIN 2330 Biomechanics	3
Electives	9

#### Year 3: 30 credit hours

Course No.	Credit Hours
PERS 3100 Inclusive Physical Activity and Leisure	3
KIN 2540 <u>Psychology of Sport and Physical Activity</u>	3 <i>new</i>
PERS 3340 Philosophy of Physical Activity and Leisure	3
PERS 3460 Sociology of Physical Activity and Leisure	3
KIN 3470 Exercise Physiology	3
KIN 3512 Principles of Fitness Training	3
KIN 3740 Resistance Training and Conditioning	3
<u>Electives</u>	12 <i>@ revised</i>

#### Year 4: 30 credit hours

Course No.	Credit Hours
PERS 4100 Current Issues	3
KIN 3450 Motor Learning	3
KIN 4500 Physical Activity and Aging	3
Electives	21

### Program Requirements: Bachelor of Kinesiology - Athletic Therapy

#### Year 1 - University 1: 30 credit hours

Course No.	Credit Hours
BIOL 1XXX BIOL 1020 Biology 1: Principles and Themes and BIOL 1030 Biology 2: Biological Diversity, Function and Interaction (with a minimum grade of "C" in each) <u>or</u> BIOL 1000 Biology: Foundations of Life and BIOL 1010 Biological Diversity and Interaction (with a minimum grade of "C+")	6
PERS 1200 Physical Activity, Health and Wellness	3

PERS 1400	Concepts of Recreation and Leisure	3
PERS 1500	Foundations of Physical Education and Kinesiology	3
PSYC 1200	Introduction to Psychology	6
W	Written English Requirement	3
STAT 1000	Basic Statistical Analysis 1	3
	Electives	3

**Year 2: 33 credit hours**

Course No.		Credit Hours
BIOL 2410	Human Physiology 1	3
BIOL 2420	Human Physiology 2	3
PERS 2100	Introduction to Professional Practice	3
PERS 2200	Program Planning Principles	3
PERS 3350	Introduction to Research	3
KIN 2320	Human Anatomy	3
KIN 2330	Biomechanics	3
KIN 2750	Athletic Therapy Skills	3
KIN 3200	Basic Trauma and Life Support	3
KIN 3320	Advanced Human Anatomy	3
HNSC 1210	Nutrition for Health and Changing Lifestyles	3

**Year 3: 33 credit hours**

Course No.		Credit Hours
PERS 3100	Inclusive Physical Activity and Leisure	3
PERS 3340	Philosophy of Physical Activity and Leisure	3
KIN 3160	Pathology and Sport Medicine	3
KIN 3330	Functional Assessment and Restoration A	3
KIN 3332	Functional Assessment and Restoration B	3
KIN 3400	Therapeutic Modalities	3
KIN 3470	Exercise Physiology	3
KIN 3512	Principles of Fitness Training	3
KIN 3740	Resistance Training and Conditioning	3
KIN 3912	Athletic Therapy Practicum	4
KIN 3914	Clinical Block Placement	2

**Year 4: 30 credit hours**

Course No.		Credit Hours
PERS 4100	Current Issues	3
KIN 2540	Psychology of Sport and Physical Activity or PSYC-3660-Sport Psychology	3 revision
KIN 3450	Motor Learning	3
KIN 4160	Advanced Pathology and Sport Medicine	3
KIN 4330	Advanced Biomechanics	3
KIN 4400	Therapeutic Exercise Rehabilitation	3
KIN 4500	Physical Activity and Aging	3
KIN 4910	Athletic Therapy Practicum	6
	Electives	3

**Program Requirements: Bachelor of Physical Education**

**Year 1 – University 1: 30 credit hours**

Course No.		Credit Hours
BIOL 1410	Anatomy of the Human Body	3
BIOL 1412	Physiology of the Human Body	3
ENGL 1200	Representative Literary Works or ENGL 1300 Literature Since 1900 or ENGL 1310 Literary Topics 1 and ENGL 1340 Introduction to Literary Analysis)	6
PERS 1500	Foundations of Physical Education and Kinesiology	3
PSYC 1200	Introduction to Psychology	6
M	Mathematics or Statistics Requirement	3
	Teachable Minor	6

**Year 2: 36 credit hours**

Course No.		Credit Hours
PERS 1400	Concepts of Recreation and Leisure	3
PERS 2100	Introduction to Professional Practice	3
PERS 2200	Program Planning Principles	3
KIN 2320	Human Anatomy	3
KIN 2330	Biomechanics	3
PHED 2550	Growth and Motor Development	3

## Required Experiential Learning Courses:

PHED 2710	Human Movement Principles	3
PHED 2720	Developmental Games and Activities	3
PHED 2730	Gymnastics, Dance and Rhythmic Activities	3
PHED 2740	Fitness Theory and Practice	3
	Teachable Minor	6

**Year 3: 36 credit hours**

Course No.		Credit Hours
PERS 3100	Inclusive Physical Activity and Leisure	3
PERS 3460	Sociology of Physical Activity and Leisure	3
PHED 3360	Culturally Relevant Physical Education and Health	3
KIN 3450	Motor Learning	3
KIN 3470	Exercise Physiology	3
KIN 3512	Principles of Fitness Training	3
	Required Experiential Learning Course:	
PHED 3710	Active Health and Human Potential	3
KIN 2540	Psychology of Sport and Physical Activity	3 new

Faculty Electives which must include 2-or-3  
1 or 2 of the following Experiential Learning  
Courses (ELCs):

PHED 2400	Coaching Theory and Practice (3)
PHED 2402	Advanced Coaching Theory and Practice (3)
PHED 3740	Resistance Training and Conditioning (3)
PHED 3750	Lifestyle Activities (3)
PHED 3760	Diverse Populations Mentorship (3)
PHED 3770	Aboriginal Games and Activities (3)
PHED 4710	Outdoor Education (3)
REC 4720	Wilderness Adventures (3)
	Teachable Minor

6

Asper School of Business - Faculty of ManagementWarren Centre for Actuarial Studies

## Introduction:

ACT 3340 Financial Derivatives for Actuarial Practice Cr.Hrs. 3 +3  
Introduction of interest rate models and rational valuation of derivative securities. Prerequisite:  
ACT 2020 (C+) or consent of instructor.

## Modification:

ACT 2120 Interest Theory Cr.Hrs. 3  
(formerly 010.212) The application of calculus and probability to discrete and continuous interest functions. Key topics are the measurement of interest, present and accumulated values, and annuities. May not be held with the former 010.232 or ACT 3320 (or 010.332). Prerequisite: MATH 1690 (or 136.169)(B) or MATH 1700 or MATH 1701 (or 136.170)(B) or MATH 1710 (or 136.171)(B). Prerequisite or concurrent requirement: MATH 2750 (or 136.275)(D) or MATH 2720 (or 136.272 or 136.270)(D) or MATH 2730 (or 136.273 or 136.271)(D) and STAT 2400 (D).

**NET CHANGE IN CREDIT HOURS: +3**



## Faculty of Medicine

### School of Medical Rehabilitation

#### Introduction:

RESP 2380 Basic Fieldwork II Cr.Hrs. 4

+4

Building on RESP 1380, this course is comprised of seminars on professionally oriented topics and 80 hours of clinical fieldwork experiences in respiratory therapy, scheduled with concurrent tutorial and laboratory based learning opportunities. The fieldwork portion will be provided under the supervision of registered respiratory therapists at one or more approved clinical sites.

Prerequisite: RESP 1380. Course evaluated on a Pass/Fail basis.

#### Modification:

RESP 1380 Basic Fieldwork I Cr.Hrs. 4

A seminar based preparatory period, followed by 80 hours of clinical fieldwork experiences in respiratory therapy, delivered with concurrent tutorial and laboratory based learning opportunities. The fieldwork portion will be provided under the supervision of registered respiratory therapists at one or more approved clinical sites. Course evaluated on a Pass/Fail basis.

### **NET CHANGE IN CREDIT HOURS: +4**

#### Program modification:

##### **RESPIRATORY THERAPY PROGRAM YEAR 2 (2011-2012)**

<u>Course No.</u>	<u>Course Name</u>	<u>Credit Hrs.</u>
REHB 2450	Research Methodology for Medical Rehabilitation	3
REHB 2460	Statistics	3
RESP 2300	Respiratory Clinical Assessment	6
RESP 2310	Clinical Aspects of Ventilatory Management	3
RESP 2320	Ventilatory Support Instrumentation	6
RESP 2330	Pulmonary Investigations	3
RESP 2340	Physiologic Measurements and Instrumentation	3
RESP 2350	Cardiology	3
RESP 2360	Pediatrics	3
RESP 2370	Anesthesiology	3
<b>RESP 2380</b>	<b>Basic Fieldwork II</b>	<b>4</b>

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## RESPIRATORY THERAPY PROGRAM YEAR 2 (2012-2013)

Course No.	Course Name	Credit Hrs.
REHB 2450	Research Methodology for Medical Rehabilitation	3
<del>REHB 2460</del>	<del>Statistics</del>	<del>3</del>
RESP 2300	Respiratory Clinical Assessment	6
RESP 2310	Clinical Aspects of Ventilatory Management	3
RESP 2320	Ventilatory Support Instrumentation	6
RESP 2330	Pulmonary Investigations	3
RESP 2340	Physiologic Measurements and Instrumentation	3
RESP 2350	Cardiology	3
RESP 2360	Pediatrics	3
RESP 2370	Anesthesiology	3
RESP 2380	Basic Fieldwork II	4

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## Faculty of Science

### Modification to Minor Regulations of degree requirements:

#### 3.7 Minors: Academic Regulations for Science Students

Students in B.Sc. Major and Honours programs may, if they wish, declare and complete a Minor from any department or interdisciplinary program at the University of Manitoba which offers a listed Minor. In the Faculty of Science Minors are listed in the program charts for each department and interdisciplinary program. Other available Minor requirements can be found within the appropriate sections of the departmental/school/faculty offerings. Completion of a Minor in a B.Sc. Major or Honours program is entirely optional. Students may not, however, declare both their Major and Minor from the same department/interdisciplinary program. It should be noted that for Honours students any consideration of completing a Minor should be made early on, due to restricted opportunities in later years of their programs. Completion of a Minor may require that a student take more than the minimum number of credit hours required for graduation. **If they wish, students may choose to complete and declare multiple minors in the four year Major and Honours degree programs.**

The Minor is not available to students in the B.Sc. General Degree program.

A Minor will normally consist of a minimum of 18 credit hours specified by the department(s) offering the Minor. Courses required in a student's specific Honours or Major degree program are acceptable for use in a chosen Minor, subject to the Faculty of Science regulation stating that students may not declare both their Major and Minor from the same department or interdisciplinary program.

Minors not offered by the Faculty of Science can be selected from the following list. For further information about courses required for the completion of a specific Minor, please refer to the section of the calendar that relates to the chosen area.

Animal Systems, Entomology, Food Science, Plant Biotechnology, Soil Science, Art History, Anthropology, Asian Studies, Canadian Studies, Catholic Studies, Central and East European Studies, Classics, Greek, Latin, Economics, English, Film Studies, Theatre, French, Spanish, Italian, German, Russian, Ukrainian, Polish, History, Icelandic, Labour Studies, Linguistics, Medieval Studies, Native Studies, Native Languages, Near Eastern and Judaic Studies, Philosophy, Political Studies, Psychology, Religion, Sociology, Ukrainian Canadian Heritage Studies, Women's and Gender Studies, Geography, Geological Sciences, Physical Geography, Environmental Science, Environmental Studies, Human Nutrition and Metabolism, Family Social Sciences, Management\*, and Music.

***\*Faculty of Management/Asper School of Business: For entry to the Minor, the prerequisite is a grade of "C" or better in the first 6 hours of Business courses. The Management Minor will consist of any 18 hours of credit in***

*courses offered by the Asper School of Business. Enrolment in this program will be limited to 20 students annually. Students planning to enrol in this minor must consult a Faculty of Science student advisor.*

## Department of Biological Sciences

### Modifications:

#### BIOL 1020 Biology I: Principles and Themes Cr.Hrs. 3

(Lab required) A laboratory-based course in unifying principles of biology including cell biology, bioenergetics, cell division, genetics and evolution. This course is intended for major and honours students in the Biological Sciences. Not to be held with BIOL 1021, BIOL 1000, BIOL 1001 (071.100), BIOE 2590 (034.259), or the former 071.125, 071.123 or 071.201. prerequisite: Biology 40S (or equivalent) and any 40S Mathematics (or equivalent) and one of: 40S Chemistry or 40S Physics (or equivalent) or BIOL 1000 (C). Students who complete BIOL 1000 as the prerequisite for BIOL 1020 will not be allowed to use BIOL 1000 and BIOL 1020 towards their degree program as the two courses may not be held for credit with one another.

#### BIOL 4330 Plant Interactions Cr.Hrs. 3

This course examines the ecology of interactions between plants and their biotic environment – other plants, animals and soil microbes. This is a reading course. Students will participate in discussion of key papers, examine recent and historic literature, and write a term paper examining a selected topic. Prerequisite: a “C” or better in BIOL 2300; or consent of the department.

#### BIOL 4560 Microtechnique Cr.Hrs. 3

(Lab required) This intensive course covers a spectrum of animal tissue and cell preparation techniques for microscopy and a survey of the variety of types of microscopy. These span all types of microscopy; live cell techniques, fixation and tissue processing methods for both paraffin embedding media and plastic media, sectioning and staining, imaging and image processing, introduction to histochemistry and immunocytochemistry and electron microscopy. This is a practical course with a major hands-on laboratory emphasis. Prerequisites: BIOL 1030 or BIOL 1031 (C+). This course is restricted to students in year 3 or 4 of a major or honours degree program.

### **NET CHANGE IN CREDIT HOURS: 0**

## Department of Chemistry

### Introductions:

#### CHEM 4800 Topics in Physical/Theoretical Chemistry Cr.Hrs. 3

+3

Selected topics related to physical chemistry properties of matter, their measurement, and computational methods for studying them. This is an advanced 4000 level course, registration only by Departmental permission. This course may not be offered every year – check with department for availability.

#### CHEM 4802 Topics in Analytical Chemistry Cr.Hrs. 3

+3

Selected topics on the most recent and sensitive techniques described in the literature in the Analytical, Bioanalytical and Environmental areas. A selection of topics among separation, surface, ionization, spectroscopy, voltammetry and spectrometry techniques will be covered.

This is an advanced 4000 level course, registration only by Departmental permission. This course may not be offered every year – check with department for availability.

CHEM 4804 Topics in Biochemistry Cr.Hrs. 3 +3  
Selected advanced topics relevant to the study of biomolecules. This is an advanced 4000 level course, registration only by Departmental permission. This course may not be offered every year – check with department for availability.

Modifications:

CHEM 2470 Introductory Analytical Chemistry Cr.Hrs. 3  
(Lab Required) (Formerly 002.247) A course in quantitative analysis provides training useful for nearly all scientists. It equips the students with the theoretical principles on which the analytical methods are based, with the ability to plan and perform experimental work, to interpret the results. Not to be held with CHEM 2471. Prerequisites: CHEM 1310 or CHEM 1311 (002.131) (C); and three credit hours of mathematics with the exception of the former 136.100, MATH 1010, MATH 1190, MATH 1191, MATH 1020, or FA 1020.

CHEM 4570 Topics in Inorganic Chemistry Cr.Hrs. 3  
(Formerly 002.457) A variety of topics from recent literature. This is an advanced 4000 level course. Registration requires departmental permission. This course may not be offered every year – check with department for availability.

CHEM 4580 Topics in Organic Chemistry Cr.Hrs. 3  
CHEM 4580 Topics in Organic Chemistry Cr.Hrs.3 (Formerly 002.458) Selected topics dealing with the structure and reactivity of organic compounds. This is an advanced 4000 level course. Registration requires departmental permission. This course may not be offered every year – check with department for availability.

## **NET CHANGE IN CREDIT HOURS: +9**

Program Modifications – introduction of new focus areas:

### ***About the Chemistry Focus Areas***

Chemistry Focus Areas are intended to help students compose a logical and coherent set of courses for their Undergraduate Degree. Chemistry Focus Areas are options available to Chemistry Majors and Honours students. When not doing a Focus Area, these students have to fill - apart from required courses, see Table 1 - 27 credit hours of 2000-4000 level Chemistry courses. If they select a Focus Area, 18 of these 27 hours will still be in Chemistry, and the remaining 9 hours might be in Chemistry or outside it; accepted choices are listed in each of the Focus Area descriptions. The diploma will list the specific Focus Area chosen, if applicable. Some of the Focus Areas listed are "pure chemistry", others are more inter- or multi-disciplinary.

The listings of 18+9 cr hrs of courses for the Focus Areas are not meant to be limiting: students can ask for permission to replace one or more listed courses by courses not on the list. Registering for a Focus Area is the simplest way to have non-Chemistry courses in the 18+9 space that would normally consist of only Chemistry courses. If a student comes up with a plausible idea for a suitable new combination, and it seems likely more students would want to follow the same path, a new Focus Area can easily be created as needed.

Not mentioned in the listings are courses that are required anyway, since they cannot be part of the "18+9". This includes most second-year courses and CHEM 4600. For Honours students, the Research Project (CHEM 4710) is required. For Majors students, CHEM 4710 can be done with special permission from the Chemistry Department, and would then count towards the "18" portion of "18+9".

Every Focus Area has one contact person. This is the person who will advise on courses appropriate for that Focus Area, and will arrange with the relevant non-Chemistry Department(s) to ensure prerequisites are either met or waived for students doing that Focus Area. The contact person would also be the logical person for students to talk to if they want more information or advice.

**Table 1. Courses required in the Chemistry Majors and Honours programs.**

CHEM 1300	Structure and Modelling in Chemistry
CHEM 1310	An Introduction to Physical Chemistry
PHYS 1020/1050	General Physics 1
PHYS 1070	Physics 2
MATH 1500	Introduction to Calculus
MATH 1700	Calculus 2
Math/Stat/Comp	3 cr hrs from MATH/STAT/COMP <b>excluding</b> MATH 1010/1020/1190/1191 and COMP 1260/1270
CHEM 2210	Organic Chemistry 1
CHEM 2220	Organic Chemistry 2
CHEM 2280	Physical Chemistry
CHEM 2290	Chemical Energetics and Dynamics
CHEM 2360/2860	Biochemistry 1
CHEM 2380	Chemistry of the Main Group Elements
CHEM 2470	Introductory Analytical Chemistry
CHEM 3380	Inorganic Chemistry
CHEM 3590	Instrumental Analysis
CHEM 4600 (6)	Advanced Chemical Techniques
CHEM 4710 (6)	Research Project (Honours only)

### ***Biophysical Chemistry***

#### **Description**

Biophysical chemistry is the interface between biochemistry and physical chemistry. This stream will provide the necessary background for students intending to do modern research in the life sciences. It will also provide much needed training for students intending to work in the biotech industry. This program also provides the most comprehensive coverage of subjects (biology, chemistry and physics) that students will need for taking the MCAT exam.

#### **Chemistry courses: 18 credit hours from:**

CHEM 2370	Biochemistry 2 ( <i>required</i> )
CHEM 3360	Elementary Quantum Chemistry and Molecular Bonding
CHEM 3370	Symmetry, Spectroscopy and Structure
CHEM 3490	Introduction to Polymers
CHEM 3570	Biophysical Chemistry ( <i>required</i> )
CHEM 4590	Bioanalytical Methods
CHEM 4620	Biochemistry of Nucleic Acids
CHEM 4630	Biochemistry of Proteins ( <i>required</i> )
CHEM 4640	Spectroscopy, Relaxation and Structure
CHEM 4700	Advanced Biochemistry Laboratory ( <i>highly recommended!</i> )

#### **Non-Chemistry courses: 9 credit hours from:**

BIOL 2500	Genetics (prereqs pre-approved for chemistry students)
BIOL 2520	Cell Biology (prereqs pre-approved for chemistry students)
MBIO 2410	Essentials of Molecular Biology

MBIO 3460  
MBIO 4540

Membrane and Cellular Biochemistry  
Biological Energy Transduction

### ***Organic Chemistry***

#### **Description**

The student wishing to concentrate on Organic Chemistry should pursue a broad-based program in the Department of Chemistry, with emphasis on the upper-year organic and inorganic/organometallic courses. Additional courses in biochemistry would be appropriate for students attracted to the pharmaceutical/chemical biology aspects of organic chemistry (see also the Biopharmaceutical Focus Area).

#### **Chemistry courses: 27 credit hours from:**

CHEM 3390	Structural Transformations in Organic Chemistry
CHEM 3580	Methods in Physical Organic Chemistry
CHEM 4580	Topics in Organic Synthesis
CHEM 4590	Bioanalytical Methods
CHEM 4620	Biochemistry of Nucleic Acids
CHEM 4630	Biochemistry of Proteins
CHEM 4660	Computational Chemistry
CHEM 4670	Drug Design and Drug Discovery
CHEM 4680	Organometallic Chemistry
CHEM 4690	Specific Methods in Organic Chemistry

**Note:** this is a "pure chemistry" focus area.

### ***Physical Chemistry***

#### **Description**

Physical chemists strive to discover, test, and understand the fundamental physical characteristics of chemicals. They apply mathematical and physical concepts to study atomic and molecular level phenomena in every area of chemistry (from biochemistry to environmental science to materials design). The multifaceted nature of physical chemistry requires scientists who work equally well with both their minds and their hands. Physical chemists often spend considerable amounts of time manipulating complex sets of data and operating sophisticated lab instrumentation. A focus area in physical chemistry provides ideal training for a career in virtually any industry, government agency, research institute or educational institution. Physical chemists work in diverse fields of science and engineering from the development and characterization of new materials (nanodevices, polymers, pharmaceuticals) to the design of new instruments and techniques (quantum electronics, lasers, magnetic resonance imaging, analytical tools).

#### **Chemistry courses: 18 credit hours from:**

CHEM 3360	Elementary quantum chemistry and molecular bonding
CHEM 3370	Symmetry, spectroscopy and structure
CHEM 3490	Introduction to polymers
CHEM 4640	Spectroscopy, relaxation and structure
CHEM 4650	Molecular states and processes
CHEM 4660	Computational chemistry

#### **Non-Chemistry courses: 9 credit hours from:**

MATH 2720	Intermediate calculus
MATH 2800	Ordinary differential equations with applications I
PHYS 2390	Theoretical Physics I
PHYS 2490	Theoretical Physics II

PHYS 2600	Electromagnetic field theory
PHYS 2610	Circuit theory and introductory electronics
PHYS 3680	Statistical mechanics ( <i>pre-requisite waiver required</i> )
MATH 1300 (Vector Geometry and Linear Algebra) doesn't count for these 9 credit hours but is <b>highly recommended</b> .	

### **Quantum/Computational Chemistry**

#### **Description**

Computational chemistry is, in its broadest sense, the application of computers to understand, interpret and predict chemical phenomena, i.e. the behaviour and properties of atoms, molecules and solids. Due to ongoing advances in computer hardware and software, computational chemistry has developed into an indispensable tool for, and a major branch of, modern chemistry. Computational chemistry methods range from those based on rigorous quantum chemistry ("ab initio" methods) to "semi-empirical" methods that use empirical (experimental) data as input, to "molecular mechanics" methods that apply classical physics, and even to "black-box" methods (QSPR) that rely on statistical correlations without detailed physical models. Computational chemists develop new algorithms, implement them into efficient computer programs, and use computational chemistry methods to solve chemical problems. The application and, in particular, the development of new computational chemistry methods requires an understanding of the underlying physical and mathematical methods and models, as well as a good working knowledge of relevant principles in computer science. Computational chemists find jobs in the pharmaceutical industry (drug design), in the chemical industry (catalyst modelling), and even in financial institutions ("if you can model chemistry, you can model the financial markets").

#### **Chemistry courses: 18 credit hours from:**

CHEM 3360	Elementary Quantum Chemistry and Molecular Bonding
CHEM 3370	Symmetry, Spectroscopy and Structure
CHEM 3580	Methods in Physical Organic Chemistry
CHEM 4640	Spectroscopy, relaxation and structure
CHEM 4660	Computational chemistry
CHEM 4670	Drug Design and Drug Discovery

#### **Non-Chemistry courses: 9 credit hours from:**

COMP 2160	Programming Practices
COMP 2190	Introduction to Scientific Computing
MATH 2300	Linear Algebra 2
MATH 2600	Numerical Mathematics 1
PHYS 2380	Quantum Physics I
PHYS 4250	Computational Physics ( <i>prerequisite waiver required</i> )
PHYS 4520	Introduction to Solid Stat Physics ( <i>prerequisite waiver required</i> )
MATH 1300 (Vector geometry and linear algebra) doesn't count for these 9 credit hours but is <b>highly recommended</b> .	

Program Modifications – modification to existing focus areas:

### **Bioanalytical Chemistry**

#### **Description**

Over the past 20 years, there has been a growing symbiosis between the biochemical sciences and analytical chemistry. Instruments originally designed to analyze purely inorganic materials or small organic molecules have evolved in ways that they can now be used to characterize and quantify larger biological molecules in very much detail. Bioanalytical chemistry therefore focuses on proteins, peptides, DNA, drugs, and the goals of

experiments performed in this field are for instance to sequence a protein or a DNA fragment, to determine the drug content of a sample, to determine molecular structures, to characterize specific intermolecular interactions, and of course all themes may be taken in a forensics context.

Bioanalytical chemists must understand some of the biochemistry behind their analytes of interest, i.e. they must know where the molecules come from and what their roles are in their environment of origin. Also very important in bioanalytical chemistry is the instrumental aspect. This is why it is crucial for students in this focus area to learn first the basic notions of analytical chemistry, and then evolve towards the understanding, use and maintenance of very specialized instruments: liquid chromatographs, mass spectrometers, spectrophotometers, gel electropherographs, gas chromatographs among others. Bioanalytical Chemistry is also about how to report results from an experiments, involving calculations, statistical analysis, knowledge of instrumental quantitative parameters, calibration, and an interpretation of what the results of the experiment mean. Ideally, bioanalytical chemists are very versatile. Jobs: research, development and production in the pharmaceutical industry, health care labs, forensic labs, drug testing labs, proteomic and genomic research labs, plus technical jobs in all of the above.

**Chemistry courses: 18 credit hours from:**

CHEM 2550	Environmental Chemistry
CHEM 2370	Biochemistry 2: Catabolism, Synthesis, and Information Pathways
CHEM 3570	Biophysical Chemistry
CHEM 4550	Aquatic Chemistry
CHEM 4590	Bioanalytical Methods
CHEM 4630	Biochemistry of Proteins
CHEM 4660	Computational Chemistry

**Non-Chemistry courses: 9 credit hours from:**

BGEN 3020 (6)	Introduction to Human Genetics
MBIO 2020	Microbiology II
MBIO 3410	Molecular Biology
<b>PHYS 2600</b>	<b>Electromagnetic field theory (with 2610 replaces 2200 (6))</b>
<b>PHYS 2610</b>	<b>Circuit theory and introductory electronics (with 2600 replaces 2200 (6))</b>
PHYS 2260	Optics
STAT 2000	Basic Statistical Analysis II

***Materials Science Focus Area***

**Description**

Materials chemistry focuses on the understanding, design, characterization and implantation of materials, and is critical for fields as diverse as biotechnology, electronics, energy, mineralogy and nanotechnology. A degree in chemistry with additional background in physics and electrical engineering trains students to investigate and create a wide range of materials including polymers, liquid crystals, ceramics, semiconductors and metal alloys, thereby preparing them for careers in many exciting areas including biotechnology, aerospace and electronics. The strong link between materials chemistry and products in the marketplace ensures excellent job opportunities in a wide range of fields and an opportunity to enter new and emerging areas such as nanotechnology. Students with a solid background in materials chemistry are prepared for interdisciplinary work environments and are therefore highly sought after in industry, academics and government laboratories. In addition to a comprehensive curriculum in this area, the Department of Chemistry provides ample opportunities for undergraduate research in materials chemistry further enhancing their competitive advantage in pursuing a career in science and technology.



**Chemistry courses: 18 credit hours from:**

CHEM 3360	Elementary Quantum Chemistry and Molecular Bonding
CHEM 3370	Symmetry, Spectroscopy and Structure
CHEM 3490	Introduction of Polymers
CHEM 4570	Topics in Inorganic Chemistry: Liquid Crystals/Materials Chemistry
CHEM 4590	Bioanalytical Methods
CHEM 4680	Organometallic Chemistry

**Non-Chemistry courses: 9 credit hours from:**

BIOE 3320	Engineering Properties of Biological Materials ( <i>pre-requisite waiver required</i> )
ECE 3600	Physical Electronics ( <i>pre-requisite waiver required</i> )
<b>PHYS 2600</b>	<b>Electromagnetic field theory (Replaces 2210)</b>
PHYS 2610	Circuit theory and introductory electronics
MATH 1300 (Vector geometry and linear algebra) doesn't count for these 9 credit hours but is <i>highly recommended</i> .	

**Faculty of Social Work**

**Modifications:**

**SWRK 3150 Field Instruction 1 Cr.Hrs. 12**

(formerly 047.315) a first educationally directed field experience in which the student will have the opportunity to assume responsibility for social work engagement, assessment, planning, intervention and evaluation, integrating theory from class. While Access Programs may require additional field hours, 420 hours is the minimum required for BSW students. This time commitment includes involvement with the agency in planning for, and engaging in, practice activity, and evaluation of performance. It also includes educational contact time with the field instructor in individual and/or group sessions. Subject to satisfactory completion and reports, students will be graded on a pass/fail basis. Prerequisites: SWRK 1310 (formerly 047.131), SWRK 2080 (formerly 047.208), SWRK 2090 (formerly 047.209), SWRK 3140 (formerly 047.314), and consent by course instructor (Field Coordinator). Corequisite: 6 credit hours of SWRK 4200.

**SWRK 4120 Field Instruction 2 Cr.Hrs. 12**

(formerly 047.412) A second educationally directed practice experience building on SWRK 3150 (formerly 047.315) in which the student will have the opportunity to carry a sustained professional role in situations which require the integration of values, knowledge, and skills at the level of a beginning professional practitioner. While Access Programs may require additional field hours, 420 hours is the minimum required for BSW students. The time commitment includes involvement with the agency in planning for, and engaging in, practice activity, and evaluation of performance. It also includes educational contact time with the field instructor in individual and/or group sessions. Subject to satisfactory completion and reports, students will be graded on a pass/fail basis. Prerequisites: 6 credit hours of SWRK 4200 (formerly 047.420), SWRK 3150 (formerly 047.315) and consent by course instructor (Field Coordinator). Corequisite: 6 credit hours of SWRK 4300.

**NET CHANGE IN CREDIT HOURS: 0**

## Collège universitaire de Saint-Boniface

### Chemistry

#### Introduction :

CHEM 2401 Chimie inorganique: structure et applications Cr.Hrs. 3 +3  
Revue de la liaison chimique, de la structure et de la réactivité à travers le tableau périodique des éléments. La revue sera illustrée par des exemples liant la chimie inorganique à la science des matériaux et à la biochimie. Pour le laboratoire, des composés inorganiques simples seront préparés et analysés. On ne peut se faire créditer CHEM 2401 et CHEM 2400 et CHEM 2381 ou 2380. Préalable : une note minimale de C dans CHEM 1311 ou CHEM 1310 (002.131).

#### Deletion :

CHEM 2381 Chimie des éléments représentatifs Cr.Hrs. 3 -3

#### Modification :

CHEM 3571 Chimie biophysique Cr.Hrs. 3 -3  
L'application de la chimie physique aux problèmes biologiques avec l'emphase sur l'interprétation quantitative. Les sujets comprennent la cinétique enzymatique, la bioénergétique, les processus de transport ainsi que la spectroscopie. Préalables : CHEM 2361 ou CHEM 2360, MBIO 2361 ou MBIO 2360 (060.237) et MATH 1501 ou MATH 1500 (ou l'équivalent). CHEM 2281 ou CHEM 2280 est recommandée.

### **NET CHANGE IN CREDIT HOURS : 0**

#### Program modification :

#### **Baccalauréat ès sciences avec majeure (4 ans) – biochimie-microbiologie → Modification proposée**

Année 1 (Université 1) – 30 crédits	Année 2 – 30 crédits	*Année 3 – 30 crédits	*Année 4 – 30 crédits
BIOL 1021 (3) L BIOL 1031 (3) L CHEM 1301 (3) L CHEM 1311 (3) L PHYS 1021 (3) L et PHYS 1031 (3) L ou PHYS 1051 (3) L et PHYS 1071 (3) L MATH 1501 (3) L MATH 1701 (3) L  + 6 crédits de français	CHEM 2211 (3) L CHEM 2221 (3) L CHEM 2361 (3) L (MBIO 2361) CHEM 2371 (3) L (MBIO 2371) MBIO 1011 (3) L MBIO 2011 (3) L  + 3 crédits choisis dans COMP, MATH ou STAT + 9 crédits facultatifs <sup>4</sup>	*CHEM 2281 (3) L <sup>1</sup> *CHEM 3571 (3) L <sup>1</sup> *CHEM 4621 (3) <sup>2</sup> et *CHEM 4631 (3) <sup>2</sup> MBIO 3411 (3)  Un des cours suivants : MBIO 3451 (3) MBIO 3461 (3) L *MBIO 4541 (3) <sup>3</sup>	<u>CHEM 2401 (3) L<sup>1</sup></u> et CHEM 2471 (3) L <sup>1</sup> *CHEM 4361 (3) <sup>2</sup> et *CHEM 4371 (3) <sup>2</sup>  Cours optionnels en rotation *MBIO 4581 (3) <sup>3</sup> *MBIO 4601 (3) L <sup>3</sup>
		Plus 18 crédits optionnels de chimie et de microbiologie, dont 6 crédits de niveau 4000 en microbiologie. <sup>3</sup> Plus 12 crédits facultatifs <sup>4</sup>	

## Geography

### Introduction :

GEOG 3771 Sujets particuliers en géographie Cr.Hrs. 3 +3  
Le contenu de ce cours variera d'année en année selon les besoins des étudiants et la spécialité du professeur. Préalable : l'autorisation écrite du professeur.

### Deletion :

GEOG 1201 Introduction à la géographie Cr.Hrs. 6 -6  
GEOG 2221 Introduction à la cartographie et analyse de la carte numérique -6

## **NET CHANGE IN CREDIT HOURS : -9**

## Economics

### Modifications :

ECON 1211 Introduction aux politiques et aux problèmes économiques canadiens Cr.Hrs. 3  
(L'ancien 018.121) Une étude de principes majeurs qui sous-tendent et de certains facteurs qui influencent l'économie canadienne et de ses régions. L'étudiant(e) qui détient les crédits du ECON 1211 ne peut se faire créditer aucun des cours ECON 1210 (018.121), l'ancien ECON 1200 (018.120), l'ancien ECON 1201 (018.120), ECON 1010, ECON 1020, ECON 1011 ou ECON 1021.

ECON 1221 Introduction aux politiques et aux problèmes économiques mondiaux Cr.Hrs. 3  
(L'ancien 018.122) Une étude de principes majeurs qui marquent l'économie mondiale et l'environnement. L'étudiant(e) qui détient les crédits du ECON 1221 (018.122) ne peut se faire créditer aucun des cours ECON 1220 (018.122), l'ancien ECON 1200 (018.120), l'ancien ECON 1201 (018.120), ECON 1010, ECON 1020, ECON 1011 ou ECON 1021.

ECON 2451 Théorie microéconomique et ses applications I Cr.Hrs. 3  
(L'ancien 018.245) Théorie de la demande du consommateur, de la production et des coûts, de la demande des facteurs de production et de la structure des marchés dans une perspective historique et institutionnelle. L'étudiant(e) qui détient les crédits du ECON 2451 (018.245) ne peut se faire créditer aucun des cours ECON 2450 (018.245) ou ECON 2700 (018.270).  
Préalable : [une note minimale de C dans ECON 1010 ou ECON 1011 ou l'ancien ECON 1200 (018.120) ou l'ancien ECON 1201] ou [une note minimale de C dans chacun de ECON 1210 (ou ECON 1211 ou l'ancien 018.121) et ECON 1220 (ou ECON 1221 ou l'ancien 018.122)]. Donné au Collège universitaire de Saint-Boniface.

ECON 2471 Théorie macroéconomique et ses applications I Cr.Hrs. 3  
(L'ancien 018.247) Étude des fluctuations dans le revenu national, la production, l'emploi la monnaie et les prix ainsi qu'étude des politiques de stabilisation, dans une perspective historique et institutionnelle. L'analyse s'effectue à partir d'un modèle macroéconomique d'une économie fermée. L'étudiant(e) qui détient les crédits du ECON 2471 (018.247) ne peut se faire créditer aucun des cours ECON 2470 (018.247) ou ECON 2800 (018.280). Préalable : [une note minimale de C dans ECON 1020 ou ECON 1021 ou l'ancien ECON 1200 (018.120) ou l'ancien ECON 1201 (018.120)] ou [une note minimale de C dans chacun de ECON 1210 (ou

ECON 1211 ou l'ancien 018.121) et ECON 1220 (ou ECON 1221 ou l'ancien 018.122)]. Donne au Collège universitaire de Saint-Boniface.

#### **NET CHANGE IN CREDIT HOURS : 0**

##### Biology

Modification :

MBIO 3031 Microbiologie III Cr.Hrs. 3

(Labo requis) Ce cours présentera une introduction à la croissance microbienne et aux approches génomiques utilisées pour l'analyse du métabolisme microbien. En utilisant ses outils, la physiologie de la paroi cellulaire microbienne, le transport, la mobilité ainsi que le métabolisme microbien en relation avec la production d'ATP, la respiration, la fermentation et la fixation du carbone seront discutés. On ne peut se faire créditer MBIO 3031 et MBIO 3030 et MBIO 2101 ou MBIO 2100 (060.210). Préalables : une note minimale de C dans MBIO 2021 ou MBIO 2020 ou l'autorisation du professeur et une note minimale de C dans un de MBIO 2371, MBIO 2370 (060.237), CHEM 2371 ou CHEM 2370 (002.237).

#### **NET CHANGE IN CREDIT HOURS : 0**

##### Philosophy

Modification :

PHIL 2821 L'existentialisme Cr.Hrs. 6

(Ancien 015.282) Étude des thèmes existentialistes qui apparaissent à travers les œuvres d'écrivains et de philosophes tels que : Beckett, Camus, de Beauvoir, Hesse, Heidegger, Kafka, Jaspers, Kierkegaard, Marcel, Nietzsche, Sartre, Buber et Lange. On ne peut pas se faire créditer PHIL 2821 et n'importe lequel de : PHIL 2820 (015.282) ou PHIL 2710 (015.271) ou PHIL 2720 (015.272).

#### **NET CHANGE IN CREDIT HOURS : 0**

##### Sociology

Modification:

SOC 3871 Inégalités sociales Cr.Hrs. 3

(Ancien 077.387) Présentation des inégalités sociales dans la société capitaliste actuelle. Examen critique des explications proposées au sujet des diverses dimensions de l'inégalité sociale telles que : la classe sociale d'appartenance, les rôles sexuels et l'appartenance ethnique. Discussions au sujet de la pauvreté, de la répartition sociale, de la richesse, du chômage, de l'évolution des postes et des contextes de travail à l'ère de la mondialisation. Préalables : une note minimale de C dans SOC 1201 ou SOC 1200 (077.120) ou SOC 1211 (077.121) et SOC 1221 (077.122). On ne peut se faire créditer SOC 3871 et l'ancien SOC 3870 (077.387) ou SOC 3890.

#### **NET CHANGE IN CREDIT HOURS : 0**

## Spanish

### Modifications :

SPAN 2591 Femmes et culture en Espagne et en Amérique latine Cr.Hrs. 3

Panorama de la culture latino-américaine abordée à partir de la production féminine. Étude des œuvres des femmes, de leurs conditions de production dans une perspective féministe et dans le cadre théorique des études culturelles. Panorama incluant divers pays et diverses époques, ainsi que différents types de production (littérature, cinéma, peinture et sculpture). Préalable : une note minimale de C dans SPAN 1262 (SPAN 1260, TRAD 1261 ou 122.126), l'ancien SPAN 1260 (044.126), SPAN 1280 ou SPAN 1290 ou l'autorisation écrite de la professeure ou du professeur.

SPAN 2671 Espagnol sujet spécial 1 Cr.Hrs. 3

Cours à contenu variant en fonction des besoins et des intérêts des personnes qui le suivent et de celles qui l'enseignent. La formule de tutorat peut être utilisée. Cours dont le contenu varie d'année en année et pouvant être donc suivi plus d'une fois. Préalable : une note minimale de C dans SPAN 1262 (SPAN 1260, TRAD 1261 ou 122.126), l'ancien SPAN 1260 (044.126), SPAN 1280 ou SPAN 1290 ou l'autorisation écrite de la professeure ou du professeur.

### **NET CHANGE IN CREDIT HOURS : 0**

## Business Administration

### Modifications :

HRIR 2441 Gestion des ressources humaines I Cr.Hrs. 3

(Ancien 027.244) Introduction au système de gestion des ressources humaines. Les sujets abordés on trait à : la planification, l'analyse des postes, la formation, la gestion de la diversité, la gestion des carrières, l'évaluation du rendement, l'acquisition des ressources humaines, les modes de reconnaissance et la problématique de la gestion des ressources humaines dans un contexte en constant changement. On ne peut se faire créditer à la fois le HRIR 2441 et le HRIR 2440.

GMGT 4151 Gestion des organisations sans but lucratif Cr.Hrs. 3

Description et analyse de la dynamique des organismes sans but lucratif : leur environnement spécifique, leur fonctionnement interne et leurs modes d'intervention dans la communauté. Approfondissement de la compréhension de la spécificité du secteur tertiaire, ce qui rend apte à y intervenir efficacement soit en tant que gestionnaires, soit en tant que bénévoles. Préalables : GMGT 2061 ou GMGT 2060, GMGT 2081 ou GMGT 2080 (027.208), GMGT 2071 ou GMGT 2070 (027.207), HRIR 2440 ou HRIR 2441 (027.244). On ne peut obtenir de crédits à la fois pour GMGT 4151 et GMGT 4150.

ACC 1101 Introduction à la comptabilité financière Cr.Hrs. 3

(Ancien 009.110) Analyse des termes, des principes et des concepts utilisés dans la préparation d'états financiers. On ne peut se faire créditer à la fois le ACC 1101 et ACC 1100.

ACC 1111 Introduction à la comptabilité de management Cr.Hrs. 3

(Ancien 009.111) L'importance des méthodes comptables dans la gestion de l'information utilisées par la direction d'une entreprise. Préalable : ACC 1101 (D) ou ACC 1100 (D) (ou

009.110)(D). Préalable ou concomitant : [ECON 1200 (D) ou ECON 1201 (D)(ou 018.120)(D)] ou [ECON 1011 (D) et ECON 1020 (D) ou ECON 1020 (D)].

**FIN 2201 Gestion financière Cr.Hrs. 3**

(Ancien 009.220) Introduction aux principes de la gestion financière de l'entreprise, en particulier dans le choix du financement, le choix de l'investissement et de la gestion des fonds. Préalables : ACC 1101 (D) ou ACC 1100 (D) (009.110)(D), MATH 1500 (C) ou MATH 1501 (C) ou MATH 1520 (C), STAT 1001 (C) ou STAT 1000 (C)(005.100)(C) et [ECON 1201 (C) ou ECON 1200 (C)(018.120)(C) ou (ECON 1010 (C) ou ECON 1011 (C) et ECON 1020 (C) ou ECON 1020 (C))].

**MIS 2001 Les systèmes d'information de gestion Cr.Hrs. 3**

(Ancien 009.200) Introduction aux systèmes d'information dans les organisations, au développement et à l'acquisition des systèmes et à la gestion des systèmes d'information. Préalables : ACC 1100 (D) ou ACC 1101 (D)(009.110)(D), ou l'autorisation écrite du professeur ou de la professeure.

**GMGT 2071 Introduction au comportement organisationnel Cr.Hrs. 3**

(Ancien 027.207) Analyse de l'impact du comportement humain sur l'organisation formelle et informelle. Les sujets traités sont le leadership, les groupes de travail, les conflits au sein de l'organisation et la communication. Préalable : GMGT 1011 ou GMGT 1010.

**MKT 3221 Recherche en marketing Cr.Hrs. 3**

(Ancien 118.322) Étude de la planification et de la mise en œuvre de la recherche comme exigence pour prendre des décisions éclairées en marketing. Préalables : [MKT 2211 (118.221) ou le MKT 2210] et [STAT 2000 ou STAT 2001 (005.200)].

**MKT 4211 Gestion du marketing Cr.Hrs. 3**

(Ancien 118.421) Examen des stratégies et des tactiques marketing que les managers utilisent pour leurs produits et services à différents niveaux du cycle de vie du produit. Utilisation des analyses qualitatives et quantitatives pour développer la pensée critique essentielle à la prise de décision en marketing. Ne peut être pris qu'en dernière année du programme. Préalables : MKT 3221 ou MKT 3220 (118.332) ou MKT 3231 ou MKT 3230 (118.323) et un cours additionnel de marketing niveau 3000 ou 4000 et ACC 1111 ou ACC 1110 (009.111).

**Introductions :**

**GMGT 2061 Management général Cr.Hrs. 3**

**+3**

Analyse des principaux concepts qui sous-tendent la formation des organisations et leur gestion interne. L'accent est mis sur l'analyse des différentes approches théoriques relatives à la théorie des organisations et au management. On ne peut se faire créditer à la fois le GMGT 2061 et un des cours suivants : GMGT 2060, GMGT 2081, GMGT 2080, GMGT 2030. Préalable : GMGT 1011 ou GMGT 1010.

**GMGT 1011 Les entreprises et la société Cr.Hrs. 3**

**+3**

Analyse de la nature, du rôle, de l'impact et de l'importance des entreprises dans la société. Les activités internes des entreprises (ex. finances, marketing, opérations) seront discutées, mais la majorité du cours étudiera des relations entre les entreprises et les parties prenantes clés dans l'environnement externe (y inclut les gouvernements, les propriétaires, les clients, les communautés, les fournisseurs, et les générations à venir). Les étudiants et les étudiantes examineront les contextes institutionnels variés (ex. économiques, politico-légaux, et

socioculturels) et appliqueront la pensée critique aux relations entre les entreprises et la société, avec considération des modèles alternatifs de gestion. Accent sur les sujets sociaux contemporains en management (ex. le développement durable, la responsabilité sociale des entreprises).

GMGT 2011 Business Communications Cr.Hrs. 3 +3

This course provides an introduction to theoretical, cultural and ethical bases of effective communication. Another goal is to develop students' interpersonal, oral and written communication skills at individual, group and organizational levels. The students will also develop analytical, problem-solving, rhetorical and critical thinking abilities required in organizational and business settings. Students are strongly recommended to take GMGT 2011 in their first 30 credit hours in the BAA programme. Not to be held with GMGT 2001 (027.201), GMGT 2000 (027.200) or GMGT 2010.

SCM 2161 Gestion de la chaîne logistique et des opérations Cr.Hrs. 3 +3

Étude de la gestion de la chaîne logistique (GCL) et des opérations. Positionne la gestion des opérations comme un domaine d'étude fondamental à l'intérieur de la GCL. Se focalise sur l'approche processus et la conception de système. L'étudiant(e) qui détient les crédits du SCM 2161 ne peut se faire créditer aucun des cours OPM 2601 (027.260) ou OPM 2600 (164.260) ou SCM 2160. Préalable : Aucun.

Deletions :

GMGT 2081 Introduction au management et à la théorie des organisations Cr.Hrs. 3 -3

GMGT 2001 Introduction to Communications Cr.Hrs. 3 -3

OPM 2601 Principes de gestion des opérations et de la production Cr.Hrs. 3 -3

**NET CHANGE IN CREDIT HOURS : +3**

Program modification :

Remarque signifiant un changement	PROGRAMME ACTUEL (126 crédits)	Remarques	PROGRAMME PROPOSÉ (120 crédits)	Remarques
<b>24 crédits de Cours en Première Année</b>			<b>24 crédits de Cours en Première Année</b>	
*	PSYC 1201 ou SOC 1201	Min exigé « C »	6 crédits de : ANTH, HIST, MATH, PHIL, POLS, PSYC, SOC	Min exigé « C » Les cours choisis pourraient être indépendants des cours qui complètent les exigences des autres programmes. (ex. si un cours de « W » est choisi, il n'aura aucun effet sur les exigences d'un autre « W » sur le diplôme)
	ECON 1201	Min exigé « C »	ECON 1201 ou ECON 1011 et 1021	Min exigé « C »
	MATH 1521 ou MATH 1501	Min exigé « C »	MATH 1521 ou MATH 1501	Min exigé « C »
*	MATH 1311 ou MATH 1301	Min exigé « C »	STAT 1001	Min exigé « C »
*	Anglais Écrit (3crédits)	Min exigé « C »	Anglais Écrit « W » (3 crédits)	Min exigé « C ». ARTS 1111 est exclu comme un cours éligible pour cette exigence.
	Facultatifs : (3crédits). Min requis « C ». Si un cours de 6 crédits est choisi, 3 crédits compleront comme facultatifs.		Facultatifs : (3crédits). Min requis « C ». Si un cours de 6 crédits est choisi, 3 crédits compleront comme facultatifs.	
Plus	<b>19x3 Crédits de Cours de Tronc Commun (= 57 crédits)</b>		<b>17x3 Crédits de Cours de Tronc Commun (= 51 crédits)</b>	
*	STAT 1001			Placé en Première Année (Exigence de 1 <sup>ère</sup> Année)
*	STAT 2001			N'est pas considéré comme Cours de Tronc Commun
	ACC 1101		ACC 1101	
	ACC 1111		ACC 1111	
	MIS 2001		MIS 2001	
	FIN 2201		FIN 2201	
*	Éthique. L'un des : PHIL 2291, 2741, 2751, 2791, 2831, 2841, RLGN 1421, GMGT 3581. Si un cours de 6 crédits est choisi, 3 crédits seront complés comme cours au choix.		Éthique. L'un des : PHIL 2291, 2751, 2791, 2831, GMGT 3581. Si un cours de 6 crédits est choisi, 3 crédits seront complés comme cours au choix.	
*	Pensée Critique : L'un des : PHIL 1201, 1291, 1321, 2851. Si un cours de 6 crédits est choisi, 3 crédits seront complés comme cours au choix.		Théorie Alternative de Management. L'un des : ECON 2541, 2631, 3711, 3811, POLS 3221, 3251, GPE 2701, SOC 3871, ENVR 4111, GMGT 4211. Si un cours de 6 crédits est choisi, 3 crédits seront complés comme cours au choix.	
*	GMGT 2001		GMGT 2011 « W »	
	GMGT 2071		GMGT 2071	
*	GMGT 2081		GMGT 2081	
*	GMGT 2121		GMGT 1011 « W »	
	HRIR 2441		HRIR 2441	
	GMGT 3301		GMGT 3301	
	GMGT 4011		GMGT 4011	
*	COMP 1261		Affaires Internationales	L'un des : ACT 4251, INTB 2201, FIN 3451, HRIR 4521, MKT 3301, 3241, INTB 3001 (Sujet International uniquement) ou SCM 3231.
	MKT 2211		MKT 2211	
	MSCI 2151		MSCI 2151	
	OPM 2601		SCM 2161	
Plus	<b>45 Crédits de Cours Majeur, à Option et au Choix comme spécifié ci-dessous</b>		<b>45 Crédits de Cours Majeur, à Option et au Choix comme spécifié ci-dessous</b>	
	Majeur : (12 crédits)		Majeur : (12 crédits)	
	Options : (15 crédits)		Options : (15 crédits)	
	Option ou au choix : (3 crédits)		Option ou au choix : (3 crédits) @ Niveau 2000 et +	
	Au Choix : (15 crédits)		Au Choix : (15 crédits) (6 crédits @ Niveau 2000 et + et au moins 3 des 15 crédits devraient être un cours « W ».)	
Total	<b>126 Crédits</b>		<b>120 Crédits</b>	



## SENATE COMMITTEE ON CURRICULUM AND COURSE CHANGES – 2011/2012

### TIMETABLE FOR FACULTY/SCHOOL SUBMISSIONS to the Office of the University Secretary

	Fall Deadline	SPPC meeting	Spring Deadline	Senate Exec meeting	Senate meeting
Curriculum/Course changes < 9 CH	September 16, 2011 <i>Submitted to SCCCC only</i>			November 23, 2011	December 7, 2011
Curriculum/Course changes > 9 CH or with resource implications	August 19, 2011 <i>Submitted to SCCCC <u>and</u> SPPC</i>	September 26, 2011		October 19, 2011	November 2, 2011
Curriculum/Course changes < 9 CH			February 17, 2012	May 2, 2012	May 16, 2012
Curriculum/Course changes > 9 CH or with resource implications					

Note:

1. All changes with resource implications must be considered by the Senate Planning and Priorities Committee (SPPC). Faculty/School should provide a separate submission for SPPC.  
Resource Implications include: (i) additions/deletions of courses in a department with a net increase of more than nine credit hours, submission to SPPC should include how this will be addressed; (ii) if course is offered jointly with other faculty(s) what are the resource implications.
2. The submission of new undergraduate programs with or without additional funding will be considered on an on-going basis by SCCCC and SPPC. In the fall, the Committee's focus is on course changes, therefore, new programs might not be dealt with as quickly as at other times of the year.

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

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### **Preamble**

1. The Faculty of Graduate Studies has responsibility for all matters relating to the submission of graduate course, curriculum and program changes. Recommendations for new programs or program changes 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 or program changes.
3. The Faculty of Graduate Studies Executive Committee voted via email prior to the above date to consider a proposal from the Dept. of Economics, Faculty of Arts.

### **Observations**

1. The Dept. of Economics, Faculty of Arts proposes the deletion of two courses, **ECON 7200 Industrial Organization (6)** and **ECON 7900 Advanced Agricultural Marketing (3)** and the introduction of two courses, **ECON 7202 Industrial Organization (3)** and **ECON 7950 Advanced Agricultural Demand Analysis (3)**.

ECON 7200 is proposed for deletion because it is being re-introduced as ECON 7202 under half the amount of credit hours. ECON 7950 will replace ECON 7900 so as to update the title and better reflect the content/intent of the course and ensure congruency with cross-listed course ABIZ 7950 (which was approved at the Mar. 2/11 Senate meeting).

### **Recommendations**

**The Executive Committee recommends THAT: the course changes from the unit listed below be approved by Senate:**

#### **Dept. of Economics**

## **Dept. of Economics**

### Course Deletions

<b>ECON 7200 Industrial Organization</b>	<b>-6</b>
<b>ECON 7900 Advanced Agricultural Marketing</b>	<b>-3</b>

### Course Introductions

<b>ECON 7202 Industrial Organization</b>	<b>+3</b>
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The emphasis will be on market structures and strategic interaction among firms. Topics such as oligopoly pricing, price discrimination, strategic entry deterrence, product differentiation, advertisement, research and development, auction design, regulation, and anti-competitive behavior will be covered. Students may not hold credit for both ECON 7202 and the former ECON 7200 (018.720).

<b>ECON 7950 Advanced Agricultural Demand Analysis</b>	<b>+3</b>
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Critical evaluation of economic theory as applied to agricultural demand. Topics include demand systems; equilibrium; product transformation over time, place and form; and price analysis. Also offered as ABIZ 7950 in the Dept. of Agribusiness and Agricultural Economics. Not to be held with ABIZ 7950 or the former ECON 7900 (018.790) or the former ABIZ 7100 (061.710).

<b>NET CHANGE IN CREDIT HOURS:</b>	<b>-3</b>
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## **Report of the Faculty Council of Graduate Studies on Program and Curriculum Changes**

### **Preamble**

1. The Faculty of Graduate Studies has responsibility for all matters relating to the submission of graduate course, curriculum and program changes. Recommendations for new programs or program changes are submitted by the Faculty Council of Graduate Studies for the approval of Senate.
2. The Faculty Council of Graduate Studies met on May 23, 2008 to consider a proposal from the Faculty of Graduate Studies.

### **Observations**

1. The Faculty of Graduate Studies proposes that the Individual Interdisciplinary Program (IIP) be renamed Individual Interdisciplinary Studies (IIS) to create an unambiguous identity where graduate students are perceived as exceptional scholars who are exploring the new frontier of graduate education. That a student does not take a suite of courses specific to a “program” is underscored by the use of the word “studies.”

Due to an administrative error, the proposed name change did not make it onto a Senate agenda in 2008.

### **Recommendation**

THAT Senate approve the Report of the Faculty Council of Graduate Studies on Program and Curriculum Changes [dated April 18, 2011] regarding the renaming of the Individual Interdisciplinary Program (IIP) to Individual Interdisciplinary Studies (IIS).

Respectfully submitted,

Dean J. Doering, Chair  
Faculty Council of Graduate Studies



## Registrar's Office

400 University Centre  
Winnipeg, Manitoba  
Canada R3T 2N2  
Telephone (204) 474 9426  
Fax (204) 275-2589

**Date:** April 13, 2011

**Memo To:** Senate

**From:** Neil Marnoch, Registrar

**Re:** **Revisions to the Proposed Academic Schedule for 2011-2012**

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Please consider the following changes proposed by the Faculty of Dentistry to the 2011-2012 Academic Schedule:

The Faculty of Dentistry has reviewed the upcoming academic year and is proposing a revision to the dates of Mid-term Break for the 2012 Winter Term for Dentistry and Dental Hygiene. The Faculty/School are currently in line with the rest of the University regarding this break, however, to better accommodate students in fourth year and their writing of the National Board Examinations, the Faculty proposes to move the Mid-term Break for 2011-2012 academic session to the week of February 27th - March 2nd, 2012.

**Notes:**

- Although these national board exams only involve 4th year dental students, due to the expense of operating our large teaching clinic, our proposal is to change the Midterm break dates for the entire Faculty of Dentistry.
- The issue of moving the break was discussed extensively at Dental Faculty Council, There was unanimous support for the move. Students have also communicated in writing their overwhelming support of the move.

### **Board of Governors Members-at-Large**

According to Section 27(4) of *The University of Manitoba Act* (the “Act”), a member of Senate elected by a faculty or school council who has subsequently been elected by Senate to the Board and whose term of office on Senate expires before his or her term of office on the Board, shall be appointed by Senate to be a member-at-large of Senate for the remainder of his or her term on the Board unless re-elected to Senate.

Professor J. Embree’s membership on Senate as a representative of the Faculty of Medicine will expire on May 31, 2011. Professor Embree has indicated, however, that she would like the opportunity to complete her term as a Senate representative on the Board of Governors. It would be appropriate to adopt a motion to appoint Professor Embree as member-at-large for the remainder of her term on the Board of Governors which expires May 31, 2012.

### **Recommendation:**

**THAT Senate appoint Professor J. Embree as member-at-large for Senate for the remainder of her term on the Board of Governors which expires May 31, 2012.**

## **REPORT OF THE SENATE COMMITTEE ON AWARDS – PART A**

### **Preamble**

Terms of reference for the Senate Committee on Awards include the following responsibility:

On behalf of Senate, to approve and inform Senate of all new offers and amended offers of awards that meet the published guidelines presented to Senate on November 3, 1999, and as thereafter amended by Senate. Where, in the opinion of the Committee, acceptance is recommended for new offers and amended offers which do not meet the published guidelines or which otherwise appear to be discriminatory under the policy on the *Non-Acceptance of Discriminatory Awards*, such offers shall be submitted to Senate for approval. (Senate, October 7, 2009)

### **Observations**

At its meeting of April 11, 2011 the Senate Committee on Awards approved thirteen new offers, nineteen amended offers, and the withdrawal of three offers, as set out in Appendix A of the *Report of the Senate Committee on Awards - Part A* (dated April 11, 2011).

### **Recommendations**

On behalf of Senate, the Senate Committee on Awards recommends that the Board of Governors approve thirteen new offers, nineteen amended offers, and the withdrawal of three offers, as set out in Appendix A of the *Report of the Senate Committee on Awards – Part A* (dated April 11, 2011). These award decisions comply with the published guidelines of November 3, 1999, and are reported to Senate for information.

Respectfully submitted,

Dr. Philip Hultin  
Chair, Senate Committee on Awards

**Appendix A**  
**MEETING OF THE SENATE COMMITTEE ON AWARDS**  
**April 11, 2011**

**1. NEW OFFERS**

**Dr. Jennifer Burton Bursary in Medicine**

Dr. Jennifer Burton (M.D./94) has established an endowment fund at the University of Manitoba, with an initial gift of \$51,000 in 2010. The Manitoba Scholarship and Bursary Initiative has made a contribution to the fund. The fund will be used to provide bursary assistance to students in the Faculty of Medicine who have returned to university in order to pursue a second career in medicine. The donor has provided an additional gift of \$1,000 to offer the initial bursary (one) in the 2011/2012 academic session. In subsequent years, the available annual interest from the fund will be used to offer one or more bursaries to students who:

- (1) have spent at least ten years in the workforce or as a stay-at-home parent prior to returning to university to pursue a second career in Medicine;
- (2) are enrolled full-time in the Faculty of Medicine, in the Undergraduate Medical Education program;
- (3) have demonstrated financial need on the standard University of Manitoba bursary application form.

Candidates will be required to submit, in addition to the standard University of Manitoba bursary application form, a supplementary application to document that they have spent at least ten years in the workforce or as a stay-at-home parent prior to returning to university to study Medicine.

The selection committee will have the discretion to determine the number and value of bursaries offered each year.

The selection committee will be named by the Dean, Faculty of Medicine (or designate).

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.

**Clinical Pharmacy I Award of Excellence**

Mrs. Kristine Petrasko provides an annual contribution to offer the Clinical Pharmacy 1 Award of Excellence to a student in the Faculty of Pharmacy. One prize, valued at \$500, will be offered to a student who:

- (1) has completed the second year of the B.Sc. in Pharmacy;
- (2) has achieved a minimum degree grade point average of 3.0;
- (3) has shown outstanding merit in Clinical Pharmacy 1 (currently numbered PHRM 2310).

The selection committee will be the Awards Committee of the Faculty of Pharmacy.



### **Philip and Marjorie Eckman Scholarship in Engineering**

Marjorie Eckman has established an endowment fund at the University of Manitoba in honour of her husband Philip Eckman (B.Sc./38). Philip graduated with a Bachelor of Science in Geology from the University of Manitoba in 1938. In 1940, he returned to the University to complete a 'pre-Master's' year in geology. The purpose of the fund is to provide scholarships for Engineering graduate students. The available annual interest from the fund will be used to offer one scholarship to a graduate student who:

- (1) is a Canadian citizen;
- (2) is enrolled full-time in the Faculty of Graduate Studies in a Masters or Doctoral program delivered by one of the following departments in the Faculty of Engineering: Civil Engineering, Electrical and Computer Engineering, Mechanical and Manufacturing Engineering;
- (3) has achieved a minimum degree grade point average of 3.5 (or equivalent) based on the last 60 credit hours of study (or equivalent);
- (4) has demonstrated exceptional research ability, as determined by the selection committee.

Candidates will be required to submit an application that will include a description of their proposed or ongoing research (maximum 500 words), a current academic transcript(s), and an academic letter of reference from a professor at a post-secondary institution.

The selection committee will provide the donor with a copy of the recipient's research proposal.

The Dean of the Faculty of Graduate Studies (or designate) will ask the Chair of the Scholarships, Bursaries, and Awards Committee of the Faculty of Engineering to convene the selection committee for this award.

### **Elaine Goldie Entrance Bursary**

In honour of Mrs. Elaine Goldie, an endowment fund has been established at the University of Manitoba to commemorate her tenure as Vice-President (External) of the University (2001 – 2010). The Manitoba Scholarship and Bursary Initiative has made a contribution to the fund. The purpose of the fund is to provide financial assistance to graduates of Dauphin Regional Comprehensive Secondary School who will undertake post-secondary studies at the University of Manitoba. The available annual interest from the fund will be used to offer one bursary to an undergraduate student who:

- (1) has graduated from Dauphin Regional Comprehensive Secondary School;
- (2) registers for full-time study in University 1 or any direct entry program;
- (3) has achieved a minimum average of 70 percent (or equivalent) on the high school courses used for admission;
- (4) has demonstrated financial need based on a government student loan assessment and has completed a University of Manitoba bursary application form.

The selection committee will be named by the Director of Financial Aid and Awards (or designate).

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.

### **Emil and Lynette Hain Graduate Scholarship for Engineering**

Mr. Emil Hain (B.Sc.(C.E.)/59) and Mrs. Lynette Hain have established an endowment fund at the University of Manitoba, with an initial gift of \$25,000 in 2011. The purpose of the award is to provide scholarship support for Engineering graduate students. The available annual income from the fund will be used to offer one scholarship to a graduate student who:

- (1) is enrolled full-time in the Faculty of Graduate Studies, in any Master's or Doctoral program delivered by a Department in the Faculty of Engineering;
- (2) has achieved a minimum degree grade point average of 3.5 (or equivalent) based on the last 60 credit hours (or equivalent);
- (3) has demonstrated exceptional research ability, as determined by the selection committee.

Candidates will be required to submit an application which will consist of (a) a description of their proposed or ongoing research (maximum 500 words), (b) a current academic transcript(s), (c) a current *curriculum vitae*, and (d) two academic letters of reference from professors at a post-secondary institution.

Recipients may hold the Emil and Lynette Hain Graduate Scholarship for Engineering concurrently with any other awards, consistent with policies in the Faculty of Graduate Studies. The Scholarship is not automatically renewable but previous recipients may reapply.

The Dean of the Faculty of Graduate Studies (or designate) will ask the Chair of the Scholarships, Bursaries, and Awards Committee of the Faculty of Engineering to convene the selection committee for this award.

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.

### **Kenneth Peaker Memorial Bursary**

In memory of Dr. Kenneth Peaker (B.Sc/55, P.Eng), family, friends, and colleagues have established an endowment fund at the University of Manitoba. The fund will be used to provide bursary support to students pursuing graduate research in Civil Engineering. The available annual interest from the fund will be used to offer one bursary to a graduate student who:

- (1) is registered full-time in the Faculty of Graduate Studies in the first two years of an M.Sc. program or the first four years of a Ph.D. program delivered by the Department of Civil Engineering;
- (2) has achieved a minimum degree grade point average of 3.0 (or equivalent) based on the last 60 credit hours of study;
- (3) has demonstrated financial need on the standard University of Manitoba bursary application form.

The selection committee will be the Scholarships, Bursaries, and Awards Committee of the Faculty of Engineering.

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.

### **President's Award for Mentoring International Leadership Excellence through Sport (MILES)**

The Office of the President and the Faculty of Kinesiology and Recreation Management at the University of Manitoba, together with the Canada Swahili Institute and the Kenyan Association of Manitoba, will offer three renewable scholarships, over a period of 12 years beginning in the 2011/2012 academic session, to provide access to post-secondary education in the areas of physical education, kinesiology, and recreation management, for students who completed high school under sponsorship of the Terik Essential Programmes Agency for Development (TEPAD).

Since 2005, the Faculty of Kinesiology and Recreation Management and the Bison Sport Track and Field Team at the University of Manitoba have supported TEPAD with fund raising activities to provide access to high school education, extracurricular track and field training programs, and sport participation in general, to children and youth in Nandi County of Kenya. Building on this foundation, *Sport Without Borders*, a partnership involving researchers, practitioners, and community groups in Canada and Kenya with interests in sport for development, started in 2008. The President's Award for Mentoring International Leadership Excellence through Sport (MILES) is intended to extend the aims of this collaborative sport and recreation initiative.

The Financial Aid and Awards office (Enrolment Services) and the Faculty of Kinesiology and Recreation Management will each provide \$10,000 per year for a period of twelve (12) years to support the scholarship. The Canada Swahili Institute will provide room and board for at least one, and up to four years, for each recipient.

One scholarship, with a value of \$20,000, will be offered to an undergraduate student who:

- (1) has successfully completed high school and has been recommended by Terik Essential Programs Agency for Development (TEPAD);
- (2) meets the requirements for admission to University 1 at the University of Manitoba;
- (3) is enrolled full-time (minimum 24 credit hours), in the first year of study, in either University 1 or the Faculty of Kinesiology and Recreation Management;
- (4) has demonstrated leadership skills and commitment to sport that furthers his or her personal aspirations and the community.

The scholarship is renewable at the same value in each of the second, third, and fourth years of study provided that the recipient:

- (1) is enrolled full-time (minimum 24 credit hours) in the Faculty of Kinesiology and Recreation Management, in any undergraduate program offered by that Faculty;
- (2) maintains satisfactory academic progression toward his or her degree program;
- (3) demonstrates continued leadership on inter-cultural exchange and sport development.

Candidates will be required to submit an application that includes: (i) a copy of their high school transcript; (ii) a statement (maximum 500 words) outlining how they have demonstrated leadership skills and a commitment to sport and how these qualities have furthered their personal aspirations and the community; and (iii) two letters of reference, one from a high school teacher familiar with their academic work and one from a member of the community.

Only one student may hold the President's Award for Mentoring International Leadership Excellence through Sports (MILES) at any one time.

In the event that a recipient does not qualify for continuation of the Award, the award may not be offered, and a new recipient will be identified for a subsequent academic session.

TEPAD will nominate at least three and at most five candidates who will be forwarded to the University of Manitoba for final selection by the selection committee.

The selection committee will be the Undergraduate Academic Awards Committee of the Faculty of Kinesiology and Recreation Management.

### **UMSU International Student Award**

The University of Manitoba Students' Union (UMSU) provides an annual contribution to the University of Manitoba, to offer the UMSU International Student Award. The purpose of the award is twofold; to offset increasing tuition fees paid by international students and to recognize international students who have made significant contributions to student life. Two scholarships, valued at \$1,000 each, will be offered to undergraduate students who:

- (1) are international students;
- (2) are enrolled either full-time or part-time in any faculty or school at the University, excepting the Faculty of Graduate Studies, and are members of UMSU;
- (3) have achieved a minimum degree grade point average of 3.0;
- (4) have enhanced student life at the University of Manitoba through their active participation in one or more student initiatives, campaigns, or organizations.

Candidates must submit an application form for the UMSU International Student Award, a statement (maximum 500 words) outlining how they meet the requirements for the award, and two letters of recommendation from people with first-hand knowledge of how the candidate has enhanced student life at the University, preferably from members of the campus community.

The UMSU International Student Award may not be held in the same academic session (i.e. September 1 through August 31) as any of the following awards: Social Justice Activism Award, the UMSU Student Movement Award, the UMSU Student Involvement Award – Governance (Ed Anderson), or the UMSU Student Involvement Award – Campus Community.

The selection committee will be the voting members of the Board of Trustees of the UMSU Scholarship and Bursary Fund and the UMSU Endowment Fund.

### **UMSU Social Justice Activism Award**

The University of Manitoba Students' Union (UMSU) provides an annual contribution to the University of Manitoba, to offer the UMSU Social Justice Activism Award. The purpose of the award is to recognize students who have shown exemplary skill, initiative, hard work, and leadership qualities through their involvement in initiatives that promote social justice and equity. Two prizes, valued at \$1,000 each, will be offered to undergraduate students who:

- (1) are enrolled either full-time or part-time in any faculty or school at the University, excepting the Faculty of Graduate Studies, and are members of UMSU;
- (2) have achieved a minimum degree grade point average of 3.0;
- (3) have demonstrated a commitment to the principles of social justice and equity through their leadership and by their active participation in initiatives and organizations, within the University and/or the broader community, that promote these principles.

Candidates must submit an application form for the UMSU Social Justice Activism Award, a statement (maximum 500 words) outlining how they meet the requirements for the award, and two

letters of recommendation from people with first-hand knowledge of how the candidate has demonstrated leadership and a commitment to social justice and equity.

The UMSU Social Justice and Activism Award may not be held in the same academic session (i.e. September 1 through August 31) as any of the following awards: the UMSU International Student Award, the UMSU Student Movement Award, the UMSU Student Involvement Award – Governance (Ed Anderson), or the UMSU Student Involvement Award – Campus Community.

The selection committee will be the voting members of the Board of Trustees of the UMSU Scholarship and Bursary Fund and the UMSU Endowment Fund.

### **UMSU Student Involvement Award – Campus Community**

The University of Manitoba Students' Union (UMSU) provides an annual contribution to the University of Manitoba, to offer the UMSU Student Involvement Award – Campus Community. The purpose of the award is to recognize students who have demonstrated a combination of skill, initiative, and dedication to building campus community at the University. Two prizes, valued at \$1,000 each, will be offered to undergraduate students who:

- (1) are enrolled either full-time or part-time in any faculty or school at the University, excepting the Faculty of Graduate Studies, and are members of UMSU;
- (2) have achieved a minimum degree grade point average of 3.0;
- (3) have demonstrated a combination of skill, initiative, and dedication to building campus community as an avenue to improving the academic and/or non-academic lives of students through active service in a student organization and/or initiative, including but not limited to, an UMSU-recognized student group or student service group.

Candidates must submit an application form for the UMSU Student Involvement Award – Campus Community, a statement (maximum 500 words) outlining how they meet the requirements for the award, and two letters of recommendation from people with first-hand knowledge of how the candidate has demonstrated his/her dedication to building campus community.

The UMSU Student Involvement Award – Campus Community may not be held in the same academic session (i.e. September 1 through August 31) as any of the following awards: the UMSU International Student Award, the UMSU Social Justice and Activism Award, the UMSU Student Movement Award, or the UMSU Student Involvement Award – Governance (Ed Anderson).

The selection committee will be the voting members of the Board of Trustees of the UMSU Scholarship and Bursary Fund and the UMSU Endowment Fund.

### **UMSU Student Involvement Award – Governance (Ed Anderson)**

The University of Manitoba Students' Union (UMSU) provides an annual contribution to the University of Manitoba, to offer the UMSU Student Involvement Award – Governance (Ed Anderson). The purpose of the award is to recognize students who have shown exemplary skill, initiative, and dedication working as part of, or in support of, various levels of collegial and student governance at the University. Two prizes, valued at \$1,000 each, will be offered to undergraduate students who:

- (1) are enrolled either full-time or part-time in any faculty or school at the University, excepting the Faculty of Graduate Studies, and are members of UMSU;
- (2) have achieved a minimum degree grade point average of 3.0;

- (3) have demonstrated a combination of skill, initiative, and dedication to student and/or collegial governance as an avenue to improving the academic and/or non-academic lives of students;
- (4) have demonstrated commitment to student and/or collegial governance, including but not limited to active participation in any of the following or their committees, subcommittees, or other subsidiaries: (a) UMSU Council; (b) faculty councils and student faculty councils; (c) the Board of Governors; and/or (d) the Senate.

Candidates must submit an application form for the UMSU Student Involvement Award – Governance (Ed Anderson), a statement (maximum 500 words) outlining how they meet the requirements for the award, and two letters of recommendation from people with first-hand knowledge of how the candidate has met the requirements set out in criteria (2) and (3).

The UMSU Student Involvement Award – Governance (Ed Anderson) may not be held in the same academic session (i.e. September 1 through August 31) as any of the following awards: the UMSU International Student Award, the UMSU Social Justice and Activism Award, the UMSU Student Movement Award, or the UMSU Student Involvement Award – Campus Community.

The selection committee will be the voting members of the Board of Trustees of the UMSU Scholarship and Bursary Fund and the UMSU Endowment Fund.

### **UMSU Student Movement Award**

The University of Manitoba Students' Union (UMSU) provides an annual contribution to the University of Manitoba, to offer the UMSU Student Movement Award. The purpose of the award is to recognize students who have shown exemplary skill, initiative, and hard work in support of the student movement. Two prizes, valued at \$1,000 each, will be offered to undergraduate students who:

- (1) are enrolled either full-time or part-time in any faculty or school at the University, excepting the Faculty of Graduate Studies, and are members of UMSU;
- (2) have achieved a minimum degree grade point average of 3.0;
- (3) have demonstrated exceptional skills, initiative, and hard work in support of the student movement through their active participation in campaigns and other student initiatives as part of the student movement.

Candidates must submit an application form for the UMSU Student Movement Award, a statement (maximum 500 words) outlining how they meet the requirements for the award, and two letters of recommendation from people with first-hand knowledge of how the candidate has demonstrated exceptional skills, initiative, and hard work in support of the student movement.

The UMSU Student Movement Award may not be held in the same academic session (i.e. September 1 through August 31) as any of the following awards: the UMSU International Student Award, the UMSU Social Justice and Activism Award, the UMSU Student Involvement Award – Governance, or the UMSU Student Involvement Award – Campus Community.

The selection committee will be the voting members of the Board of Trustees of the UMSU Scholarship and Bursary Fund and the UMSU Endowment Fund.

### **Philipp and Anna Wiebe Scholarship**

Philipp Ens, George D. Wiebe, and Alfred Schellenberg have established the Philipp and Anna Wiebe Endowment Fund with a gift to the Mennonite Foundation of Canada (MFC). A portion of the

earnings on the fund will be used to offer a scholarship for a student in the Marcel A. Desautels Faculty of Music, at the University of Manitoba. Normally, one scholarship will be offered each year. The scholarship will be offered to a graduate student who:

- (1) is enrolled full-time in the Faculty of Graduate Studies, in a Master of Music program;
- (2) has achieved a minimum degree grade point average of 3.5 (or equivalent) based on the last 60 credit hours of study (or equivalent);
- (3) has demonstrated outstanding musical and leadership abilities in choral conducting;
- (4) has demonstrated a strong interest in choral music, generally, embracing a variety of secular and sacred musical styles, and a particular interest in the music of the congregation.

In any given year that there is no qualified graduate student, the scholarship will be offered to an undergraduate student who:

- (1) is enrolled full-time in the Marcel A. Desautels Faculty of Music;
- (2) has achieved a minimum degree grade point average of 3.5;
- (3) has demonstrated outstanding musical and leadership abilities in choral conducting;
- (4) has demonstrated a strong interest in choral music, generally, embracing a variety of secular and sacred musical styles, and a particular interest in the music of the congregation.

Each year, the MFC will report the available earnings from the fund to Financial Aid and Awards at the University of Manitoba. In any given year that there is no qualified candidate at the University, the MFC may allocate the available earnings to a second institution designated in the Memorandum of Understanding between the donors and the MCF. In any given year that there is no qualified candidate at the other institution, a second scholarship may be available for a qualified candidate at the University of Manitoba. If no qualified candidates are identified at either institution, the earnings may be carried forward to the next year.

The Dean, Faculty of Graduate Studies (or designate) will ask the Dean, Marcel A. Desautels Faculty of Music (or designate) to name the selection committee for the graduate scholarship. The Dean, Marcel A. Desautels Faculty of Music (or designate) will name the selection committee for the undergraduate scholarship.

The Dean, Marcel A. Desautels Faculty of Music, with the written agreement of the Mennonite Foundation Canada, is authorized to recommend to the Senate Committee on Awards, for approval, amendments to the terms of the scholarship as changing circumstances may require.

## **2. AMENDMENTS**

### **Ed Anderson Award Top-Up Fund**

Following the withdrawal of the UMSU – Ed Anderson Award (Senate, April 6, 2011), the terms of reference for the Ed Anderson Award Top-Up Fund have been amended to indicate that the Fund will now be used to top-up the newly established UMSU Student Involvement Award – Governance (Ed Anderson). Editorial changes have also been made.

### **Athletic Therapy Students Association (ATSA) Scholarship**

Criteria (1) and (2) of the terms of reference for the Athletic Therapy Students Association (ATSA) Scholarship have been amended to define full-time enrolment, for the purpose of this award, as a minimum 60 percent course load.

### **Allan Bronfman Family Bursary in the I.H. Asper School of Business**

A number of changes have been made to the terms of reference for the Allan Bronfman Family Bursary in the I.H. Asper School of Business:

- The opening paragraph has been revised to acknowledge additional gifts made to the endowment fund since it was established ca. 1970. The revised paragraph reads:

Through the generosity of Messrs. Allan, Edward, and Peter Bronfman, a fund in support of the Allan Bronfman Family Bursaries was established at the University of Manitoba ca. 1970, with an initial gift of \$25,000. With subsequent contributions from the Bronfman family; including a gift of \$30,000 from Mr. David Bronfman through the Jewish Foundation of Greater Toronto, made in memory of his father Edward, in 2006; the fund is valued at \$81,845, in 2011...
- For the purpose of this entrance award, the academic year is now defined in the terms as beginning January 1 and continuing through December 31 (e.g., students admitted at any program entry point that falls within the 2011 calendar year would be considered for the scholarships for 2011/2012 regular academic session).
- The description of the selection committee has been changed to read: "The Dean of the Faculty of Graduate Studies (or designate) will ask the Chair of the M.B.A. Program Committee to convene the selection committee for this award."
- A number of editorial amendments have been made.

### **Allan Bronfman Family Bursary in the Faculty of Law**

The following revisions have been made to the terms of reference for the Allan Bronfman Family Bursary in the Faculty of Law:

- The opening paragraph has been revised to acknowledge additional gifts made to the endowment fund since it was established ca. 1970, as set out above for the Allan Bronfman Family Bursary in the I.H. Asper School of Business.
- The description of the selection committee has been changed to read: "The selection committee for this bursary will be the Faculty of Law Awards Committee."

### **Allan Bronfman Family Bursary in the Faculty of Medicine**

The following revisions have been made to the terms of reference for the Allan Bronfman Family Bursary in the Faculty of Medicine:

- The opening paragraph has been revised to acknowledge additional gifts made to the endowment fund since it was established ca. 1970, as set out above for the Allan Bronfman Family Bursary in the I.H. Asper School of Business.
- The description of the selection committee has been changed to read: "The selection committee for this bursary will be named by the Dean, Faculty of Medicine (or designate)."



### **Dr. Vivian Bruce Scholarship**

Terms of reference for the Dr. Vivian Bruce Scholarship, which was formerly offered to the student graduating from the Bachelor of Human Ecology degree with the highest grade point average over the four years of the program, have been revised to offer the scholarship to the student who:

- (1) has completed between 54 and 87 credit hours toward one of the following degree programs: Bachelor of Health Sciences, Bachelor of Health Studies, Bachelor of Human Ecology ;
  - (2) has achieved a minimum degree grade point average of 3.25;
  - (3) in the next ensuing academic session, is enrolled full-time in the Faculty of Human Ecology in the third year of one of the degree programs listed in criterion (1).
- The revised terms specify that the selection committee will be the Student Standing and Awards Committee of the Faculty of Human Ecology.

### **Canadian Credit Management Foundation Asper MBA Fellowship**

Two amendments have been made to the terms of reference for the Canadian Credit Management Foundation Asper MBA Fellowship:

- For the purpose of this entrance award, the academic year is now defined in the terms as beginning January 1 and continuing through December 31, as set out above for the the Allan Bronfman Family Bursary in the I.H. Asper School of Business.
- The description of the selection committee has been changed to read: “The Dean of the Faculty of Graduate Studies (or designate) will ask the Chair of the M.B.A. Program Committee to convene the selection committee for this award.”

### **The Berdie and Irvin Cohen Award in Peace and Conflict Studies**

Several changes have been made to the terms of reference for the Berdie and Irvin Cohen Award in Peace and Conflict Studies:

- Criterion (1) has been revised to open the award to students in the Ph.D. in Peace and Conflict Studies, in addition to students in any Master’s or Ph.D. program delivered by a department in the Faculty of Arts.
- The description of the selection committee has been changed to read: “The Dean of the Faculty of Graduate Studies (or designate) will ask the Dean, Faculty of Arts (or designate) to convene the selection committee for this award, which shall be composed of the Dean, Faculty of Arts (or designate) as chair, the donor, two faculty members of the Faculty of Arts on regular appointment (one each from a Social Sciences and a Humanities department), and one faculty member of the Arthur V. Mauro Centre for Peace and Justice on regular appointment.”
- A number of editorial changes have been made.

### **Philip and Marjorie Eckman Scholarship in Honour of Justin DeLury**

Several amendments have been made to the terms of reference for the Philip and Marjorie Eckman Scholarship in Honour of Justin DeLury:

- The opening paragraph has been revised to read:

Marjorie Eckman has established an endowment fund at the University of Manitoba in honour of her husband Philip Eckman (B.Sc./38). Philip graduated with a Bachelor of Science in Geology from the University of Manitoba in 1938. In 1940, he returned to the University to complete a 'pre-Master's' year in geology under J.S. DeLury, for whom he had a great admiration. The purpose of the fund is to provide scholarships for students in the Department of Geological Sciences. The available annual interest will be used to provide one or more scholarships...

- At the request of the donor, a requirement has been added restricting the pool of eligible candidates to students who are Canadian citizens.
- In addition to undergraduate students, the Scholarship will also be open to graduate students who:
  - (1) are enrolled full-time in the Faculty of Graduate Studies, in a Master's or Doctoral program delivered by the Department of Geological Sciences;
  - (2) are undertaking thesis research pertaining to mining engineering (engineering geology, mining geology or geophysics) or hard rock geology;
  - (3) have achieved a minimum degree grade point average of 3.5 (or equivalent) based on the last 60 credit hours (or equivalent);
- One reference to cumulative grade point average has been updated to degree grade point average.
- A number of editorial changes have been made.

### **Christina Gow Community Health Nursing Scholarship**

A number of changes have been made to the terms of reference for the Christina Gow Community Health Nursing Scholarship, for graduate students in Nursing:

- The available annual interest from the endowment fund will now be used to offer one scholarship on an annual basis. Previously, the interest earned over two years was disbursed biennially.
- Criterion (3) (formerly criterion (2)) has been revised to read: "[who] has completed 6 credit hours in the program with a focus in community health nursing."
- The application deadline of April 30 has been removed from the terms and replaced with 'the designated deadline date.'
- The description of the selection committee has been changed to read: "The Dean of the Faculty of Graduate Studies (or designate) will ask the Chair of the Graduate Studies Committee in the Faculty of Nursing to convene the selection committee, which will include one graduate faculty member teaching a community health nursing course and a family member of Professor Gow (or designate)."
- A number of editorial changes have been made.

### **Human Anatomy and Cell Science Merit Award**

Two amendments have been made to the terms of reference for Human Anatomy and Cell Science Merit Award:

- The second paragraph has been revised to read: "The selection committee will have the discretion to determine the number and value of awards offered annually based on the number of students who have received a poster award at the [eligible] poster competitions and the available funding, with the *proviso* that the value of an individual award will not exceed \$500."

- The description of the selection committee has been changed to read: “The Dean of the Faculty of Graduate Studies (or designate) will ask the Head of the Department of Human Anatomy and Cell Science (or designate) to name the selection committee for this award.”

### **Introductory Political Studies Award**

The following amendments have been made to the terms of reference for the Introductory Political Studies Award:

- The name of the award has been changed to the Lambert Prize in Introductory Political Studies.
- The value of the award has been changed to: \$250 from: \$150.
- In criterion (2), the course number POLS 1500 has been updated from 19.150. The course number 19.156 has been deleted.
- One reference to ‘cumulative grade point average’ has been updated to ‘degree grade point average.’

### **Judge Ross A. Johnston Prize for Family Law**

Several revisions have been made to the terms of reference for Judge Ross A. Johnston Prize for Family Law:

- The available annual interest from the fund that supports the prize will now be used to offer one or more prizes. Previously, the terms directed that the full or partial amount of the revenue would be used to offer one prize.
- The selection committee will have the discretion to determine the number and value of awards offered each year.
- Course numbers for Family Law (LAW 2640, A01 and A02), Clinical Law (LAW 3250), Children and the Law (LAW 3090), and Advanced Family Law (LAW 3980, CRN 14307) have been updated from 45.256, 45.390, 45.309, and 45.325, respectively.

### **Howard Lees Scholarship in Microbiology**

The following amendments have been made to the terms of reference for the Howard Lees Scholarship in Microbiology:

- The revised terms explicate that the award value is equal to the available annual interest from the fund.
- Criterion (1) has been revised to stipulate that the recipient will have graduated from an eligible undergraduate program within the last 12 months.
- A criterion has been added to define the parameters of the entering year, for the purpose of this graduate award. Criterion (2) reads: “[who] is admitted to the Faculty of Graduate Studies on one of the preceding May, September, or January program entry dates and subsequently is enrolled full-time in the first year of a graduate program delivered by the Department of Microbiology.”
- A statement has been added to indicate that the award will normally be offered in February of each year.

- The description of the selection committee has been changed to read: “The Dean of the Faculty of Graduate Studies (or designate) will ask the Head (or designate) of the Department of Microbiology to name the selection committee for this award.”
- A number of editorial changes have been made.

### **Lockhart Award for Family Social Sciences**

The value for the Lockhart Award for Family Social Sciences has been amended to: \$350 from: \$500, in the terms of reference.

### **John A. MacDiarmid Scholarship**

Two changes have been made to the terms of reference for the John A. MacDiarmid Scholarship:

- In the opening paragraph, the name of the Faculty has been updated to the Faculty of Kinesiology and Recreation Management.
- Criterion (2) has been revised to define full-time enrolment, for the purpose of this award, as a minimum 80 percent course load.

### **M.B.A. Entrance Scholarships**

Two amendments have been made to the terms of reference for the M.B.A. Entrance Scholarships:

- For the purpose of this entrance award, the academic year is now defined in the terms as beginning January 1 and continuing through December 31, as set out above for the the Allan Bronfman Family Bursary in the I.H. Asper School of Business.
- The description of the selection committee has been changed to read: “The Dean of the Faculty of Graduate Studies (or designate) will ask the Chair of the M.B.A. Program Committee to convene the selection committee for this award.”

### **Christine Michalchyshyn Memorial Bursary**

The following amendments have been made to the terms of reference for the Christine Michalchyshyn Memorial Bursary:

- The revised terms clarify that the value of the award is equal to the available annual interest from the fund.
- In any year that there is no qualified candidate in the Master of Nursing program, the revised terms will allow the Faculty of Nursing to offer the bursary to an undergraduate student who:
  - (1) is enrolled full-time or part-time in the Faculty of Nursing, in Year 3 or Year 4 of the Bachelor of Nursing Program;
  - (2) has demonstrated excellence in scholarship;
  - (3) has demonstrated leadership;
  - (4) has demonstrated collegiality;
  - (5) has demonstrated financial need (i.e., according to bursary standards set by the University of Manitoba).

- The description of the selection committee has been changed to read: “The selection committee for the graduate bursary will be the Graduate Studies Committee in the Faculty of Nursing. The selection committee for the undergraduate bursary will be the Student Promotions and Awards Committee of the Faculty of Nursing.”

### **R.E. Waugh – University of Manitoba Scholarship**

The following amendments have been made to the terms of reference for the R.E. Waugh – University of Manitoba Scholarship, which is offered to dependents of permanent employees of Scotiabank:

- The agreement with the donor has been renewed to offer this renewable entrance scholarship to one new recipient in each of the 2012/2013 and 2013/2014 academic sessions.
- Criterion (1) has been amended to allow students entering the I.H. Asper School of Business (direct entry, Business Year 1), in addition to students entering University 1, to hold the award.
- The revised criterion (2) opens the award to eligible dependents of permanent employees of Scotiabank, regardless of the location of employment. Previously, the award was restricted to dependents of Scotiabank employees at an office outside of Canada and the United States, excluding expatriate Canadians and Americans.
- An additional criterion (criterion (3)) requires that the recipient is fluent in either English and Spanish or English and Cantonese/Mandarin.
- The revised terms require that Financial Aid and Awards provide the donor with a copy of the scholarship application submitted by the student named to receive the award, for review.
- Several editorial changes have been made.

## **3. WITHDRAWALS**

### **Enbridge Manitoba Archaeology Award**

Terms of reference for the Enbridge Manitoba Archaeology Award, a one-time scholarship for graduate students in Anthropology have been withdrawn, as the award has been offered in the 2010/2011 academic session.

### **McCarthy Tetrault Leadership Awards**

Terms of reference for the McCarthy Tetrault Leadership Awards, for undergraduate students in the Faculty of Law, have been withdrawn. The Scholarship was established for a terms of three years, which has come to a close.

### **Maxim Truck & Trailer Scholarship for Jazz Studies**

Terms of reference for the Maxim Truck & Trailer Scholarship for Jazz Studies have been withdrawn. The Scholarship was established for a terms of three years, which has come to a close.

## **Annual Report of the Senate Committee on Academic Computing**

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### **Preamble**

1. The terms of reference for the Senate Committee on Academic Computing are found on the University Governance website at: [www.umanitoba.ca/governance](http://www.umanitoba.ca/governance).
2. The Committee is charged with providing advice and recommendations to Senate on:
  - a) the University's general policies relating to the development and use of computing and networking in instruction and research;
  - b) prioritizing support for the development and delivery of computing and network services; and
  - c) computer services policies and their effect on faculty and students.

### **Observations**

1. Members of the Committee for 2010-2011 were: Dr. Digvir Jayas, Ms. Karen Adams, Dean Jay Doering, Prof. Georg Schreckenbach, Prof. Karen Smith, Prof. Dennis Hlynka, Prof. Struan Sinclair, Prof. Mary Brabston, Prof. Elliott Scott, Jason Shields (student), Raja Chakraborty (student) and Dr. Joanne Keselman as Chair.
2. No matters were referred to the Committee for consideration, therefore, no meetings were held during the reporting period.

Respectfully submitted,

Dr. Joanne Keselman, Chair  
Senate Committee on Academic Computing.

## **ANNUAL REPORT OF THE SENATE COMMITTEE ON ACADEMIC DRESS**

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### **Preamble**

The Terms of Reference for the Senate Committee on Academic Dress are found on the University Governance website at: [www.umanitoba.ca/governance](http://www.umanitoba.ca/governance).

### **Observations**

1. The Senate Committee on Academic Dress reported to Senate on September 8, 2010 and April 6, 2011.
2. The Committee recommended hood colors for the following degrees:
  - Bachelor of Jazz Studies
  - Bachelor of Science in Dental Hygiene
  - Master of Public Health
  - Master of Physician Assistant Studies
3. Members of the Senate Committee on Academic Dress for the 2010-2011 reporting term were: Prof. L. Chalmers, Mr. N. Marnoch, Prof. L. Horne, Mr. Brad Lafoy, Ms. Gabrielle Vanstraelen and Prof. P. Hess as Chair.

Respectfully submitted,

Professor Paul Hess, Chair  
Senate Committee on Academic Dress

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## Annual Report of the Senate Committee on Academic Freedom

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### **Preamble**

The Terms of Reference for the Senate Committee on Academic Freedom can be found on the web at [http://umanitoba.ca/admingovernance/governing\\_documents/governance/sen\\_committees/488.htm](http://umanitoba.ca/admingovernance/governing_documents/governance/sen_committees/488.htm).

### **Observations**

1. The membership of the Committee for 2010-2011 included: Professor J. Anderson (Science), Professor S. Alward (School of Art), Professor R. Cardwell (Agricultural and Food Sciences), Professor J. Embree (Medicine), and Professor C. Morrill (Management).
2. The committee did not meet during the reporting period.

Respectfully submitted,



Judy Anderson, Chair  
Senate Committee on Academic Freedom



## **Annual Report of the Senate Committee on Academic Review**

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### **Preamble**

The Terms of Reference for the Senate Committee on Academic Review can be found on the web at:

[http://umanitoba.ca/admin/governance/governing\\_documents/governance/sen\\_committees/489.htm](http://umanitoba.ca/admin/governance/governing_documents/governance/sen_committees/489.htm)

### **Observations**

1. The membership of the Committee for 2010-2011 included: Dr. D. Collins, (Vice-Provost Academic Planning & Programs), Chair, Dr. J. Keselman, (Vice-President Academic and Provost), Dean J. Doering (Graduate Studies), Dean J. Watkinson (Kinesiology & Recreation Management), Professor J. Owens (Arts), Dr. A. MacDiarmid (Medicine), Professor J. Van Rees (Science), Professor J. Morrill (Asper School of Business), Ms. A. Cipriano (Student) and Ms. C. Rose (Student).
2. The Committee met once during the reporting period on December 16, 2010. A report was drafted that provided an update on completed academic program reviews for the period November 2009 through November 2010. During the period under consideration, six masters and two doctoral program reviews were completed. The report was endorsed by the Committee and approved by Senate on February 2, 2011.
3. The Committee noted that accreditation reports may be used in lieu of an academic program review. The Committee is currently reviewing the process by which non-accredited undergraduate programs occur.

Respectfully submitted,

David Collins, Chair  
Senate Committee on Academic Review

# ANNUAL REPORT OF THE SENATE COMMITTEE ON ADMISSIONS (SCADM) FOR THE YEAR FROM MAY 1, 2010 TO APRIL 1, 2011

The terms of reference for the Senate Committee on Admissions (SCADM) are found on the University website at:

[http://www.umanitoba.ca/admin/governance/governing\\_documents/governance/sen\\_committees/490.htm](http://www.umanitoba.ca/admin/governance/governing_documents/governance/sen_committees/490.htm)

The committee membership is as follows:

<u>Incumbent</u>	<u>Position</u>	<u>Composition</u>
Dr. Susan Gottheil (2010 Aug - )	Vice-Provost (Students)	(1) VP (Academic) or <b>designate, Chair</b>
Ms Iris Reece Tougas	Director, Admissions	(2) Vice Provost (Student Affairs) or <b>designate</b>
Mr. Peter Dueck	Executive Director, Enrolment Services	(3) Executive Director (Enrolment Services)
Dr. Linda Wilson	Associate Dean/Professor, Faculty of Arts	(4) Dean, Faculty of Arts or <b>designate</b>
Dr. M. Piercey-Normore (2011 Feb-)	Associate Professor, Faculty of Science	(4) Dean, Faculty of Science or <b>designate</b>
Dr. John Perry	Associate Professor, Faculty of Dentistry	(4) Dean, Faculty of Dentistry or Medicine or <b>designate</b>
Dr. John Wiens (2010 Nov -)	Dean/Professor, Faculty of Education	(5) Senate-appointed dean/director
Dr. Dauna Crooks	Dean, Faculty of Nursing	(5) Senate-appointed dean/director
Dr. Charles Mossman	Associate Dean, I.H. Asper School of Business	(6) Senate Appointee
Dr. Gustaaf Sevenhuysen	Dean, Faculty of Human Ecology	(6) Senate Appointee
Dr. Alex Wright	Associate Dean, Faculty of Social Work	(6) Senate Appointee
Dr. Lori Wallace	Dean, Extended Education	(6) Senate Appointee
Ms. Jan Guise	Section Head, Music, Libraries	(6) Senate Appointee
Dr. Kelly MacKay	Associate Dean, Faculty of Kinesiology & Rec Mgmt	(6) Senate Appointee
Mr. S. Boakye-Yiadom (2010 Nov-)	Student, Faculty of Graduate Studies	(7) Student
Mr. Kevin Wiens (2011 Feb-)	Student, Faculty of Architecture	(7) Student
Mr. Michael Butterworth (2011 Feb-)	Student, Faculty of Architecture	(7) Student
Vacant (Declined)	Declined	(8) Deputy Minister of Education (or designate)
Mr. Peter Brass	University Adviser, St. John's Ravenscourt	(8) Counsellor from a Manitoba high school

Subsequent to the 2010 Annual Report, SCADM met on May 13, 2010, June 10, 2010, September 3, 2010, October 13, 2010, November 17, 2010, December 15, 2010, January 17, 2011, and March 17, 2011. The following matters were addressed by the committee:

1. **Faculty of Medicine / School of Medical Rehabilitation / Department of Respiratory Therapy**  
SCADM reviewed a recommendation to include Statistics 1000, Basic Statistical Analysis 1 (3 credit hours) in the list of pre-requisite courses for admission to the Respiratory Therapy Program, effective for the 2011 intake. Approved by the Senate Committee on Admissions May 13, 2010. Approved by Senate, June 23, 2010.
2. **Admissions Office (Transfer Credit Evaluations)** – SCADM reviewed a proposal concerning the transference of external grades, the assessment of external courses for equivalency, and the University of Manitoba's policy on course transference as it relates to the CMEC Pan-Canadian Protocol on Course Transferability. *This proposal was reviewed by the Senate Committee on Admissions in the meeting held on May 13, 2010 and referred to a sub-committee for additional study.*
3. **Faculty of Kinesiology and Recreation Management** – SCADM reviewed a proposal recommending the addition of Health Care Provider CPR Certification as an admission prerequisite for the undergraduate Athletic Therapy Program, effective for the 2011 intake. Approved by the Senate Committee on Admissions, June 10, 2010. Approved by Senate, September 8, 2010.
4. **Enrolment Services** – SCADM reviewed a template proposal recommending the establishment of a blended entry system of admission for applicants from high school as well as from University 1, effective for the 2012 intake. Approved by the Senate Committee on Admissions, September 3, 2010. Approved by Senate, October 6, 2010.

5. **I.H. Asper School of Business** – SCADM reviewed a proposal recommending the establishment of a blended entry system of admission, directly from high school as well as from University 1, for applicants to its Bachelor of Commerce (Honours) Program, effective for the 2011 intake. Approved by the Senate Committee on Admissions, September 3, 2010. Approved by Senate, October 6, 2010.
6. **I.H. Asper School of Business** – SCADM reviewed a proposal recommending revisions to its Track 1 admission requirements for students applying to its Bachelor of Commerce (Honours) Program from University 1, effective for the 2011 intake. Approved by the Senate Committee on Admissions, September 3, 2010. Approved by Senate, January 5, 2011.
7. **School of Medical Rehabilitation** – SCADM reviewed a proposal recommending numerous changes to the eligibility requirements for the Respiratory Therapy Program, effective for the 2011 intake. Approved by the Senate Committee on Admissions, October 13, 2010. Approved by Senate, December 1, 2010.
8. **Faculty of Nursing** – SCADM reviewed a proposal recommending changes to the entrance requirements for admission for applicants from external diploma and degree programs to the four year Baccalaureate Nursing Program, effective for the 2011 intake. Approved by the Senate Committee on Admissions, November 17, 2010. Approved by Senate, January 5, 2011.
9. SCADM reviewed recommendations from the **Faculty of Agriculture and Food Sciences**, the **Faculty of Human Ecology**, the **Clayton H. Riddell Faculty of Environment, Earth and Resources**, the **Faculty of Science**, the **School of Dental Hygiene** and the **Faculty of Kinesiology and Recreation Management** proposing the establishment of a blended entry system for admission for applicants directly from high school as well as from University 1, effective for the 2012 intake. Approved by the Senate Committee on Admissions on December 15, 2010. Approved by Senate on February 2, 2011.
10. **School of Dental Hygiene** - SCADM reviewed a proposal for changes to policies on admission criteria concerning the Adult Criminal Record Check/Child Abuse Registry Check, priority admission for Canadian and Permanent Residents, changes to the criteria for selection and clarification of prerequisite course. These changes are to be effective for the 2012 intake. Approved by the Senate Committee on Admissions on January 17, 2010. Approved by Senate on March 2, 2011.
11. **Faculty of Education** - SCADM reviewed a proposal recommending an increase in the required GPA for consideration for admission to the bachelor of education programs, effective for the 2012 intake. Approved by the Senate Committee on Admissions, January 17, 2010. Approved by Senate, March 2, 2011.

**Preamble**

1. The terms of reference for the Senate Committee on Admission Appeals are found at the link:  
[http://umanitoba.ca/admin/governance/governing\\_documents/students/286.htm](http://umanitoba.ca/admin/governance/governing_documents/students/286.htm)
2. The Committee is charged to hear and determine appeals from:
  - a) decisions of faculty and school Selection Committees;
  - b) administrative decisions affecting the admission process;
  - c) decisions related to the transfer of credit policy of the faculty/school; and
  - d) the possible granting of advance standing;
3. The Committee is to report to Senate on the determination of all appeals submitted to it; and recommend on any changes in admission policies and procedures which should be considered as a result of the appeal.

**Observations**

1. Members of the Committee for 2010-2011 were Professor T. Janzen (Arts), Professor B. Hann (Science), Professor M. Matthews (Music), Professor L. Guse (Nursing), Professor E. Milliken (Social Work), Professor M. Fricke (Medical Rehabilitation), Professor P. McVetty (Agricultural & Food Sciences), Professor M. Balance (Agricultural & Food Sciences), Mr. Q. Yuan, (Student – Graduate Studies), Mr. J. Myskiw (Student - Law), Mr. M. McDermid (Student - Music), Mr. Sid Rashid, Ms. Heather Laube, Professor D. Mandzuk (Education, Vice Chair) and Professor P. Osborne as Chair. Ms. I. Reece-Tougas (Director of Admissions) is a non-voting member of the Committee.

Professor D. Mandzuk (Education, Vice-Chair) was an Acting Chair for a portion of the year.

2. The Senate Committee on Admission Appeals reports to Senate on an ongoing basis as appeals are heard. These reports are summarized below:

During the period from April 1, 2010 to March 31, 2011 the Committee received 6 appeals which are summarized below:

#	FACULTY	DECISION
2	Medicine	Denied
1	Physical Therapy	Denied
1	Nursing	No Grounds
1	Graduate Studies	Granted
1	Education	Denied

Respectfully submitted,

Professor P. Osborne  
 Chair of the Senate Committee on Admission Appeals



UNIVERSITY  
OF MANITOBA

Ethics  
Office of the Vice-President (Research)

Received  
APR 19 2011  
University Secretariat

CTC Building  
208 - 194 Dafoe Road  
Winnipeg, MB R3T 2N2  
Fax (204) 269-7173  
[www.umanitoba.ca/research](http://www.umanitoba.ca/research)

## Annual Report of the Senate Committee on Animal Care, May 2010 – April 2011

### Preamble

The terms of reference for the Senate Committee on Animal Care (SCAC) can be found on the web at [http://umanitoba.ca/admin/governance/governing\\_documents/governance/sen\\_committees/492.htm](http://umanitoba.ca/admin/governance/governing_documents/governance/sen_committees/492.htm). SCAC is "To provide advice and recommendations to Senate and the University Administration regarding: the University's general policies relating to the development of facilities for and use of animals in research, teaching or testing; prioritizing support for the development and delivery of animal care services; and animal care and use policies and their effect on faculty members, staff and students".

### Observations

1. Members of the Committee for 2010-2011 were:

Gary Glavin Associate Vice-President (Research) and Chair  
Ed Kroeger (for Dean Postl), Faculty of Medicine  
Elizabeth Worobec (for Dean Whitmore), Faculty of Science  
Tammy Ivanco (for Dean Sigurdson), Faculty of Arts  
Michael Trevan, Faculty of Agricultural and Food Sciences  
Brenda Hann, Faculty of Graduate Studies  
Elliot Scott, Faculty of Dentistry  
Kees Plaizier, Department of Animal Science  
Gary Anderson, Department of Biological Sciences  
Alison Calder, Department of English  
Harold Aukema, Department of Biological Sciences  
Susan Shefchyk, Department of Physiology  
Robert Madziak, Central Animal Care Services  
Randy Aitken, St. Boniface General Hospital Research Centre  
Richard Hodges, Director, Animal Care and Use Program  
Lauren Erickson, Student Representative  
Brent Thomas, Community Representative

2. During the reporting period, the Committee met once:

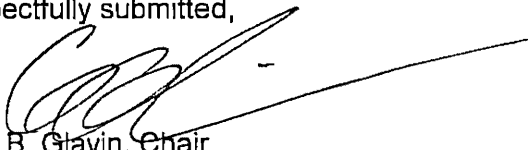
March 17, 2011

- Over \$500k was made available for infrastructure upgrades in 2010/2011 through

the Infrastructure Planning Committee and faculty contributions.

- Written reports from the SCAC Sub-Committees (the Bannatyne and Fort Garry Campus Protocol Management and Review Committees (PMRC); Education Sub-Committee; and Infrastructure Planning Committee) were reviewed and approved.
- Written reports on the activities of the Local Animal Users Committees (the Bannatyne Campus; Faculty of Science, Faculty of Arts, and the St. Boniface General Hospital Research Centre) were reviewed and approved.
- 2010 facility inspection reports and applicable facility responses reviewed and approved.
- Revised composition and terms of reference for both the PMRC's and the "E" Category of Invasiveness Committee (ECOIC) were reviewed and approved.
- New and renewed PMRC and ECOIC memberships were reviewed and approved.
- The Canadian Council on Animal Care assessment visit took place in October 2010. The assessment report which contained 1 serious recommendation, 11 regular recommendations and 6 commendations was received in February 2011 and was reviewed by the SCAC. The U of M's implementation report is currently being developed and will be submitted to CCAC by May 13 2011(addressing the serious recommendation) and August 12 2011(addressing the regular recommendations). We are confident that the university's implementation reports will adequately address all of CCAC's recommendations.

Respectfully submitted,



Gary B. Glavin, Chair  
Senate Committee on Animal Care

Preamble

1. The terms of reference for the Senate Committee on Appeals are found at the link:  
[http://umanitoba.ca/admin/governance/governing\\_documents/students/285.htm](http://umanitoba.ca/admin/governance/governing_documents/students/285.htm)
2. The Committee is charged to hear and determine appeals against decisions:
  - a) made by academic administrators involving Senate regulations in which Faculty or School Councils have no jurisdiction; and
  - b) taken by Awards Selection Committees of Faculties and Schools.
3. The Committee is to report to Senate on the determination of all appeals submitted to it; and advise the Executive Committee of any Senate regulations affecting students which appear to be creating particular difficulties.

Observations

1. Members of the Committee for 2010-2011 were: Dean M. Trevan (Agricultural and Food Sciences), Dean J. Watkinson (Kinesiology and Recreation Management), Dean J. Weins (Education), Professor A. Young (Arts, Vice-Chair), Professor S. Alward (School of Art), Professor B. Amiro (Agricultural and Food Sciences), Professor K. Levine (Social Work), Professor D. MacPherson (Law), Professor D. McMillan (Nursing), Professor C. Stasolla (Agricultural and Food Sciences), Mr. R. Saurette (St. Boniface College), Mr. S. Gardner (Student), Mr. B. Klassen (Student), Mr. J. Myskiw (Student), Mr. S. Richardson (Student), Ms. A. Schettler (Student), Mr. D. Bowles (Student), Mr. C. Hull (Student), Mr. K. Mytruk (Student), Mr. P. Nawrot (Student), Mr. G. Paterson (Student) and Professor A. McNicol (Dentistry) served as Chair.
2. The Committee reports to Senate on a regular basis and details of these reports are contained in the Senate minutes.

During the reporting period from April 1, 2010 to March 31, 2011 the Committee received 21 appeals which are summarized below:

#	Faculty	Decision
7	Engineering	2 Denied; 2 Granted; 1 No grounds found; 2 Pending
3	Graduate Studies	2 No grounds found; 1 Returned to Faculty
3	University 1	1 Granted; 1 No jurisdiction; 1 Pending
2	Science	1 Denied; 1 No grounds found
2	Nursing	2 Pending
1	Law	1 Granted
1	Arts	1 Granted
1	IH Asper	1 Granted
1	Extended Education	1 Closed

3. The Committee discussed its jurisdiction following a submission from a Faculty member regarding a decision by a Dean. The matter was forwarded to the President for final decision.
4. The Committee advised the Senate Executive Committee of an issue which has had significant negative implications on the academic progress of a particular group of students.

Respectfully submitted,

Dr. A. McNicol, Chair  
Senate Committee on Appeals

## **Annual Report of the Senate Committee on Approved Teaching Centres**

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### **Preamble**

The Terms of Reference for the Senate Committee on Approved Teaching Centres (SCATC) can be found on the web at:

[http://umanitoba.ca/admin/governance/governing\\_documents/governance/sen\\_committees/494.htm](http://umanitoba.ca/admin/governance/governing_documents/governance/sen_committees/494.htm)

### **Observations**

1. Members of the Committee for 2010-2011 were: Professor B. Schwimmer (Arts), Ms. R. Gaywish (Extended Education), Professor T. Ivanco (Arts), Professor T. Chen (Arts), Professor R. Finnegan (Arts), Professor S. Brickey (Arts), Professor D. McCance (Arts), and Professor L. Renéé (Arts)
2. The current Approved Teaching Centres are:  
  
Prairie Theatre Exchange  
William and Catherine Booth College
3. In preparation for the 2010-2011 session, the SCATC conducted its regular spring business of reviewing cross-registered courses to be offered by the Approved Teaching Centres, together with the proposed instructors, and recommending the same to Senate at its June meeting.

Respectfully submitted,

Senate Committee on Approved Teaching Centres





## **ANNUAL REPORT TO SENATE FROM THE SENATE COMMITTEE ON AWARDS**

### **Number of meetings**

The Senate Committee on Awards met 12 times (including two electronic polls) between May 1, 2010 and April 30, 2011.

### **Terms of Reference**

Terms of Reference for the Senate Committee on Awards can be found on pages 10.10 to 10.11 in the *Senate Handbook*.

Terms of reference for the Senate Committee on Awards include the following responsibility:

On behalf of Senate, to approve and inform Senate of all new offers and amended offers of awards that meet the published guidelines presented to Senate on November 3, 1999, and as thereafter amended by Senate. Where, in the opinion of the Committee, acceptance is recommended for new offers and amended offers which do not meet the published guidelines or which otherwise appear to be discriminatory under the policy on the *Non-Acceptance of Discriminatory Awards*, such offers shall be submitted to Senate for approval. (Senate, October 7, 2009)

### **Committee Members**

#### Academic Representatives:

Dr. Philip Hultin (Chair/Faculty of Science)

Dr. Lean Chee (Faculty of Pharmacy)

Dr. David Kuhn (Faculty of Engineering)

Dr. Laura Loewen (Faculty of Music)

Dr. Elizabeth Ready (Faculty of Kinesiology and Recreation Management)

Dr. Greg Smith (Faculty of Arts)

#### Student Representatives:

Mr. Ted Paranjothy (Faculty of Science)

#### Director, Financial Aid and Awards:

Ms Jane Lastra

#### Dean, Faculty of Graduate Studies:

Dr. Jay Doering

Ms Marcia Yoshida (alternate)

#### Consultants:

Mr. Peter Dueck (Enrolment Services)

Ms T. Klaassen (Enrolment Services)

Ms L. Lucas-Aseltine (Enrolment Services)

Dr. S. Coyston (Recording Secretary/Enrolment Services)

## Observations

1. In 2010 – 2011, the Senate Committee on Awards approved the establishment of 100 new awards, amendments to 81 existing awards, and the withdrawal of 34 awards. Of the 100 new awards, 72 are scholarships, prizes, or fellowships, 28 are bursaries, and 1 is an outreach award offered to Bachelor of Nursing students, at any Canadian post-secondary institution, who are Nunavut beneficiaries.  
(Appendix A)
2. The Senate Committee on awards recommended to Senate, for approval, 8 requests to establish awards that appear to be discriminatory under the policy on the *Non-Acceptance of Discriminatory Awards*. The awards will provide support for Aboriginal students.

Respectfully submitted,

Dr. Philip Hultin  
Chair, Senate Committee on Awards

## APPENDIX A -

### New Awards\* Established Between May 1, 2010 and April 30, 2011 (Total = 100)

Undergraduate, Graduate, and Extended Education	Entrance Awards	Renewable Entrance Awards	In-course and Graduating Awards	Total
Undergraduate	-	3	72	75
Graduate	3	-	19	22
Undergraduate or Graduate	-	-	2	2
Outreach	-	-	1	1

### New Undergraduate Awards\* by Faculty or School, May 1, 2009 - April 30, 2010 and Historical Data for 2008-09, 2007-08 and 2006-07

Faculty or School	10-11	09-10	08-09	07-08	06-07
Agricultural & Food Sciences	2	-	4	8	4
Architecture	1	1	1	1	1
Art (Fine Arts)	-	-	-	2	-
Arts	5	3	3	1	4
Central <sup>†</sup>	7	5	11	6	4
Dentistry	3	1	2	2	1
Dental Hygiene	-	-	1	1	-
Education <sup>°</sup>	2	2	-	5	-
Engineering	10	6	6	7	1
Environment, Earth, & Resources	2	1	3	-	3
Extended Education	-	1	-	-	-
Human Ecology	4	1	1	-	1
Interdisciplinary	1	2	1	4	1
Kinesiology & Recreation Management	1	1	1	1	2
Law	3	4	7	7	3
Management	10	4	4	7	-
Medical Rehabilitation	-	-	1	-	4
Medicine	9	8	10	2	6
Music	2	3	3	1	5
Nursing	2	-	3	2	-
Pharmacy	3	1	2	2	2
Science	6	2	2	1	2
Social Work	2	1	-	-	-
University 1	-	-	1	1	-
<b>Totals</b>	<b>75</b>	<b>47</b>	<b>67</b>	<b>61</b>	<b>44</b>

\* scholarships, prizes, fellowships, and bursaries; <sup>†</sup> awards open to students in any faculty or school; <sup>°</sup> including Internationally Educated Teachers Program.

## APPENDIX A -

### New Graduate Awards\* by Area of Study, May 1, 2010 - April 30, 2011 and Historical Data for 2006-2007 through 2009-2010

Area of Study	10-11	09-10	08-09	07-08	06-07
Agricultural & Food Sciences	2	1	3	1	4
Architecture	-	7	3	1	2
Art (Fine Arts)	2	2	-	-	-
Arts	5	4	3	4	1
Central <sup>†</sup>	1	2	3	-	-
Dentistry	-	1	-	-	-
Engineering	4	-	-	2	-
Environment, Earth, & Resources	-	1	5	1	-
Interdisciplinary	3	-	2	3	1
Law	1	-	-	-	-
Medical Rehabilitation	-	-	1	-	-
Medicine	1	-	2	1	-
Music	1	1	-	-	2
Nursing	-	1	-	1	1
Science	2	2	2	2	1
<b>Totals</b>	<b>22</b>	<b>22</b>	<b>24</b>	<b>16</b>	<b>12</b>

\* scholarships, prizes, fellowships, and bursaries; <sup>†</sup> awards open to students in any faculty or school.

### New Awards\* Open to Undergraduate and Graduate Students by Area of Study, May 1, 2010 - April 30, 2011 and Historical Data for 2006-2007 through 2009-2010

Area of Study	10-11	09-10	08-09	07-08	06-07
Agricultural & Food Sciences				1	
Architecture				1	
Arts				1	
Central <sup>†</sup>	2	2		2	4
Education				1	
Engineering					1
Human Ecology					1
Interdisciplinary		1	3		
Music				1	
Science					1
Social Work		1	1		
<b>Totals</b>	<b>2</b>	<b>4</b>	<b>4</b>	<b>7</b>	<b>7</b>

\* scholarships, prizes, fellowships, and bursaries; <sup>†</sup> awards open to students in any faculty or school.

## Annual Report of the Senate Committee on the Calendar

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### **Preamble**

1. The terms of reference for the Senate Committee on the Calendar are found on the web at [http://umanitoba.ca/admin/governance/governing\\_documents/governance/sen\\_committees/496.htm](http://umanitoba.ca/admin/governance/governing_documents/governance/sen_committees/496.htm)
2. The Committee is charged with preparing the University Calendars and providing advice on matters referred to it concerning the University Calendars.

### **Observations**

1. Members of the Committee for 2010-2011 were: Professor P. Hultin (Science), Ms. C. Bone (Libraries), Ms L. Hamilton (*Calendar* editor), Mr. N. Shamanski (Student), Mr. N. Marnoch (Registrar), Dr. J. Mactavish (Graduate Studies), Dean J. Doering (Chair, Senate Committee on Rules and Procedures) and Mr. J. Leclerc as the Chair.
2. The Committee met twice during the reporting period, on May 7, and October 29, 2010, and reported to Senate on December 1, 2010, recommending that the General Academic Calendar be offered as an online only version commencing the 2011-2012 academic session. The Committee also recommended that the web Calendar remain concrete from July 1 – March 31 of every year and be designated as the “official version”; and that the web Calendar remain flexible for the period of April 1 – June 30 and be designated “subject to change without notice”.

Respectfully submitted,

Jeff M. Leclerc, Chair  
Senate Committee on the Calendar

## Annual Report of the Senate Committee on Curriculum and Course Changes

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### Preamble

The terms of reference for the Senate Committee on Curriculum and Course Changes (SCCCC) can be found on the web at

[http://umanitoba.ca/admin/governance/governing\\_documents/governance/sen\\_committees/497.htm](http://umanitoba.ca/admin/governance/governing_documents/governance/sen_committees/497.htm).

SCCC is “to recommend to Senate on the introduction, modification or abolition of undergraduate programs, curricula or courses”.

### Observations

1. Members of the Committee for 2010-2011 were: Dean H. Frankel (Social Work), Chair, Dr. E. Worobec (Science), Dr. D. Mann (Agricultural & Food Science), Dr. K. Matheos (Extended Education), Dr. B. Ferguson (Arts), Professor T. Sullivan (Medical Rehabilitation), Dr. D. Schonwetter (Dentistry), Ms. J. Horner (Libraries), M. S. Dorge (CUSB), Dr. M. Piercey-Normore (Science), Dr. D. Collins (Vice-Provost (Academic Programs & Planning), Ms. K. Marcynk (Student), Ms. J. Rynar (Student), Mr. S. Boakye-Yiadom (Student).
2. During the reporting period the Committee met on the following dates and reported to Senate on:

September 29, October 1, 8, 27, 2010 and November 10, 2010	<ul style="list-style-type: none"><li>-course changes from departments totaling less than nine credit hours in various faculties and schools</li><li>- proposal from the Faculty of Science for a Bachelor of Science Joint Honours in Computer Science/Statistics</li><li>-deletion of courses not offered in the last five years</li><li>- proposal from the Asper School of Business, Faculty of Management for undergraduate reform</li><li>- proposal from the Collège universitaire de Saint-Boniface for a Faculty of Science for a Bachelor of Arts in Theatre</li></ul>
March 14, 23, 30, April 15, 2011	<ul style="list-style-type: none"><li>- course changes from departments totaling less than nine credit hours in various faculties and schools</li><li>- approval of deadlines for 2011/2012</li></ul>

Respectfully submitted,

Professor H. Frankel, Chair  
Senate Committee on Curriculum and Course Changes

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## Annual Report of the Senate Committee on the Ethics of Research Involving Human Subjects

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### Preamble

The terms of reference for the Senate Committee on the Ethics of Research Involving Human Subjects (SCERIHS) can be found on the web at:

[http://umanitoba.ca/admin/governance/governing\\_documents/governance/sen\\_committees/500.htm](http://umanitoba.ca/admin/governance/governing_documents/governance/sen_committees/500.htm).

SCERIHS "provides advice and recommendations to Senate and the University Administration regarding the University's general policies relating to human subjects research and the effects of these policies on faculty members, staff and students."

### Observations

1. Members of the Committee for 2010-2011 were:

**Gary Glavin**, Associate Vice-President (Research), (*ex-officio*), Chair

**Edward Johnson**, Faculty of Arts

**Algernon Karim**, Faculty of Dentistry

**Tuula Heinonen**, Faculty of Social Work

**Neil McArthur**, Faculty of Arts

**Francine Morin**, Faculty of Education

**Sandra Ingram**, Faculty of Engineering

**Ted Paranjothy**, Faculty of Science, undergraduate student

**Scott Armstrong**, community representative

**Darcy MacPherson**, Faculty of Law, lawyer

and, Research Ethics Boards (REBs) Chairs (*ex-officio*), appointed by SCERIHS:

**Nick Anthonisen**, Faculty of Medicine, Chair of Biomedical Research Ethics Board (BREB)

**John Arnett**, Faculty of Medicine, Chair of Health Research Ethics Board (HREB)

**Bruce Tefft**, Faculty of Arts, Chair of Psychology/Sociology Research Ethics Board (PSREB)

**Stan Straw**, Faculty of Education, Chair of Education/Nursing Research Ethics Board (ENREB)

**(Lorna Guse**, Faculty of Nursing, Acting Chair of Education/Nursing Research Ethics Board (ENREB)  
(July 1, 2009 to June 30, 2010)

**Wayne Taylor**, Faculty of Arts, Chair of Joint-Faculty Research Ethics Board (JFREB)

**(Brian Barth**, Student Affairs, Acting Chair of Joint-Faculty Research Ethics Board (JFREB)  
(July 1, 2010 to June 30, 2011)

2. A sub-committee of SCERIHS is the *Human Ethics Resource Committee* (HERC). HERC consists of the five REB Chairs, the Human Ethics Coordinators, the Research Quality Assurance office; and is chaired by Dr. Gary Glavin, Associate Vice-President (Research). Members of HERC continue to investigate ways to provide educational opportunities for both



reviewers and researchers alike, in an effort to improve the protocol submission and review process. HERC is currently finalizing revisions to *The Ethics of Research Involving Human Subjects* policy (last revised in 2001) to reflect changes to the TCPS as well as changes in internal policy. Throughout the reporting period the Chairs and the Human Ethics Coordinators attended or presented at the request of various committees and groups on campus. The HERC sub-committee met regularly, resolving issues as they occurred, and was available as a resource for any concerns that arose during the year.

3. The five University of Manitoba research ethics boards are organized and operate according to the Tri-Council Policy Statement (TCPS), which was jointly developed in 1998 by Canada's three research agencies, and was recently revised in December 2011. The TCPS(2) includes substantial changes, including a new set of core principles, and new chapters on qualitative research and research involving Aboriginal peoples.
4. The *Interagency Advisory Panel on Research Ethics* will be holding a regional workshop at the Fort Garry Campus on May 19, 2011. It is intended to familiarize participants with the recently launched TCPS(2). The workshop is intended primarily for researchers and REB members, but may also be of interest to REB administrators.
5. There were no instances of non-compliance with *The Ethics of Research Involving Human Subjects* policy during the 2010-2011 year. Standard Operating Procedures (SOPs) were developed and approved for both Bannatyne and Fort Garry campuses in 2008. Plans are currently underway by the SOP committee to review the procedures, and to make revisions/amendments as necessary.
6. The five REBs meet and review protocols on a monthly basis. The two Bannatyne Campus REBs reviewed 603 protocols between January 1 and December 31, 2010. The three Fort Garry Campus REBs reviewed 446 protocols between January 1 and December 31, 2010.

Respectfully submitted,



Dr. Gary Glavin, Chair  
Senate Committee on the Ethics of Research Involving Human Subjects



**Annual Report of the Senate Committee on Honorary Degrees**

**Preamble**

The terms of reference for the Senate Committee on Honorary Degrees are found online at:  
[http://www.umanitoba.ca/admin/governance/governing\\_documents/governance/sen\\_committees/501.htm](http://www.umanitoba.ca/admin/governance/governing_documents/governance/sen_committees/501.htm)

**Observations**

1. The membership of the Committee for 2010 – 2011 included: Dr. David T. Barnard (President), Mr. Evan Kuz (President of Alumni Association), Ms. Karen Holden (President of Alumni Association), Dr. Janet Hoskins, (Warden, St. John's College), Dr. Judy Anderson (Science), Dean Ruth (Engineering), Dean Dawe (Music), Dr. T. Anna (Arts), Dr. A. Young (Arts), Ms. H. Laube (President of UMSU), Mr. S. Rashid (President of UMSU), Mr. R. Douglas (community representative), and Dr. H. Sector (Chancellor) as Chair.
2. The Committee on Honorary Degrees reports to Senate as required in closed session on candidates for honorary degrees, special convocations, and the naming of buildings, parts of buildings, roadways and special units.
3. During the period May 2010 to April 2011, the Committee reported to Senate on four occasions: May 19, 2010, November 3, 2010, December 1, 2010, and April 6, 2010. Details of these reports are available in the Office of the University Secretary (312 Administration Building) upon request by eligible members of Senate.

Respectfully submitted,

Chancellor Harvey Sector, Chair  
Senate Committee on Honorary Degrees

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## Annual Report of the Senate Committee on Instruction and Evaluation

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### **Preamble:**

The terms of reference for the Senate Committee on Instruction and Evaluation (SCIE) are found on the web at:

[http://www.umanitoba.ca/admin/governance/governing\\_documents/governance/sen\\_committees/502.htm](http://www.umanitoba.ca/admin/governance/governing_documents/governance/sen_committees/502.htm)

### **Observations:**

1. Members of the Committee for 2010-2011 were: Dr. K. Grant, Chair, Dr. M. Lawall (Arts), Dr. Z. Lutfiyya (Education), Dr. E. Etcheverry (Medical Rehabilitation), Professor T.B. Goh (Agricultural & Food Sciences), Dr. E. Smirnova (Science), Dr. M. Brabston (Management), Dr. D. Schonwetter (Dentistry), Mr. M. Ates (Student), Mr. C. Duffield (Student), and Mr. D. Brown (Student). *Ex-officio* resource members of the Committee were: Dr. C. Kristjanson, Dr. J. Mactavish, Mr. N. Marnoch, and Dr. L. Smith.
2. The Committee met on seven occasions during the reporting period, on June 10, September 22, October 21, and November 17, 2010, and January 20, March 17 and April 21, 2011.
3. At its meetings, the Committee:
  - approved a proposal from the Associate Deans Undergraduate/University Liaison Officers Group regarding grade comments on student transcripts
  - approved proposals from the Faculty of Education regarding voluntary withdrawal limit in school experience courses, minimum degree GPA requirements for progression, academic regulations, Dean's Honour List and 'with distinction' criteria
  - approved a proposal from the Faculty of Agricultural and Food Sciences regarding the Dean's Honour List
  - approved proposals from the Faculty of Engineering regarding a change to the limit on time in the Preliminary Engineering Program and special examination regulations
  - approved a proposal from the Clayton H. Riddell Faculty of Environment, Earth and Resources regarding modification to degree requirements
  - approved a proposal from the Faculty of Pharmacy regarding the Dean's Honour List
  - approved a proposal from the Faculty of Arts regarding the eligibility of B.A. Integrated Studies students for awards
  - approved a proposal from the Faculty of Kinesiology and Recreation Management regarding scholastic standards and assessment of student standing
  - approved modifications to the Professional Unsuitability Bylaw, Faculty of Nursing
  - considered a recommendation to eliminate undergraduate spanned courses
4. The committee continues to work on:
  - Plagiarism software
  - A template for Professional Unsuitability Bylaws
  - Revisions to the Policy on Examination Regulations

Respectfully submitted,

Dr. Karen R. Grant, Chair  
Senate Committee on Instruction and Evaluation

Annual Report of the Joint Senate Committee (JSC) for Joint Masters Programs (JMP) 2009-2010.

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Preamble

1. The terms of reference for the Joint Senate Committee (JSC) for Joint Masters Programs (JMP) can be found at:  
[http://www.umanitoba.ca/admin/governance/governing\\_documents/governance/sen\\_committees/503.htm](http://www.umanitoba.ca/admin/governance/governing_documents/governance/sen_committees/503.htm)
2. The committee's duties are to:
  - a) Recommend to the respective Senates the candidates for degrees. In November 2004, this responsibility was delegated to the Executive Committee of the Faculty of Graduate Studies;
  - b) Hear and determine student appeals from JDC decisions on academic matters.
  - c) Recommend to Senate (through appropriate committees at each University) changes in initial general regulations for the JMPs.
  - d) Approve, upon request of a JDC, changes in the supplementary regulations governing the respective JMP.
  - e) Upon recommendation from a JDC approve the imposition of higher standards than the minima set by the Faculty of Graduate Studies at the University of Manitoba in any JMP.
  - f) Make a comprehensive review in accordance with the schedule of reviews of graduate programs, but not less frequently than the beginning of the fifth year following the reviews currently scheduled for 2005 and 2007 and make such recommendations for the revision of the Agreement as deemed appropriate.
  - g) Attempt to resolve specific problems that may arise in any JMP during the life of the Agreement.
  - h) Determine its own procedures regarding meetings, delegation of powers and duties, etc.
  - i) Review and act or recommend on the financial matters of the Office of Faculty of Graduate Studies and of the JDC.
  - j) Assume such further powers and duties as may be mutually agreed to by the two Universities.

Observations:

1. Members of the committee for 2010-2011 were: George MacLean (UM), Chair; Karen Jensen, designated by Jay Doering, Dean of Graduate Studies (M); Zana Lutfiyya (UM); Mark Libin (UM); Jessica Senehi (UM); Sandra Kirby, Dean of Graduate Studies (UW); James Hanley (UW); TBA (UW); Graduate Student TBA (UM); Valerie Shantz, Graduate Student (UW)
2. The committee did not meet in 2010-2011 as there were no items referred to it for approval and onward transmission to the Senates of the University of Manitoba and the University of Winnipeg.

Respectfully submitted,



George MacLean, Chair JSC/JMP

## **Annual Report of the Joint Senate Committee on Master's Programs Appeals**

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### **Preamble**

The Terms of Reference for the Joint Senate Committee on Master's Programs can be found on the web at:

[http://umanitoba.ca/admin/governance/governing\\_documents/sen\\_committees/504.htm](http://umanitoba.ca/admin/governance/governing_documents/sen_committees/504.htm).

### **Observations**

1. Members of the Committee for 2010-2011 included: Professor A. Sloane-Seale (Extended Education), Professor B. MacNeil (Medical Rehabilitation).
2. No appeals were referred to the Committee for consideration, therefore, no meetings were held during the reporting period.

## **Annual Report of the Senate Committee on the Libraries**

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### **Preamble**

The Terms of Reference of this Committee enable it to make broad assessments of the status of the libraries, their fiscal support, and their effect on faculty and students (see [http://umanitoba.ca/admin/governance/governing\\_documents/governance/sen\\_committees/505.htm](http://umanitoba.ca/admin/governance/governing_documents/governance/sen_committees/505.htm))

### **Observations**

1. Members of the Committee for 2010-2011 were: Dr. J. Keselman, Chair, Ms. K. Adams (Libraries), Dr. B. Hann (Graduate Studies), Dean D. Crooks (Nursing), Dean M. Whitmore (Science), Professor H. Heller (Arts), Professor J. Van Rees (Science), Professor K. Coombs (Medicine), Dr. S. Sweeney (Libraries), Professor K. Markstrom (Music), Professor V. Warne (Arts), Mr. C. Shefman (Student), Ms. T. Andreglou (Student), and Mr. M. Sadek (Student).
2. The Committee did not meet during the reporting period.

Respectfully submitted,

Dr. Joanne Keselman, Chair  
Senate Committee on the Libraries



UNIVERSITY  
OF MANITOBA

## Faculty of Medicine

Office of the Dean  
Room 260 Brodie  
727 McDermot Avenue  
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TO: Mr. Jeff Leclerc  
University Secretary  
312 Administration Building  
Fort Garry Campus

Received  
APR 13 2011  
University Secretariat

FROM: Dr. Heather Dean, MD, FRCPC  
Assistant Dean, Academic

DATE: April 11, 2011

RE: ANNUAL REPORT OF THE SENATE COMMITTEE ON MEDICAL QUALIFICATIONS  
MAY 2010 – APRIL 2011

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The Senate Committee on Medical Qualifications had no scheduled meetings over the period May 2010 to April 2011 as there were no applications submitted for medical license under Section 64 of the Manitoba Medical Act.

### Members of the SCMQ are:

Dr. H. Dean, Chair, Dean of Medicine or designate  
Dr. J. Keselman, Vice-President (Academic) & Provost or designate  
Dr. W. Pope, appointed by the College of Physicians and Surgeons of Manitoba  
Dr. A. MacDiarmid, Faculty Member, Faculty of Medicine  
Dr. M. Moffatt, Faculty Member, Faculty of Medicine  
Dr. E. Cowden, Faculty Member, Faculty of Medicine

HD/kc

## **Annual Report of the Senate Committee on Nominations**

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### **Preamble**

1. The Terms of Reference for the Committee are found on the University Governance website at [www.umanitoba.ca/governance](http://www.umanitoba.ca/governance).
2. The Senate Committee on Nominations is responsible for recommending academic staff and student nominees for standing, *ad hoc* and special committees of Senate, as well as recommending Senate representatives on other University committees and outside boards. The Committee's recommendations are forwarded to Senate for consideration and approval.

### **Observations**

1. Members of the Committee for 2010-2011 were: Prof. Carla Taylor, Prof. Sandra Kouritzin, Prof. Karen Jensen, Prof. Pam Perkins, Prof. Helen Cameron, Prof. Marie Edwards, Dean Jay Doering, Prof. Yuewen Gong, Prof. Malcolm Smith, Ms. Kaitlynn Porath (student member), Mr. Andrew McGregor (student member) and Professor Emily Etcheverry as Chair.
2. The Committee reported to Senate at the May 19, 2010, September 8, 2010, October 6, 2010, November 6, 2010 and February 2, 2011 Senate meetings, to consider academic staff nominees for vacancies on standing committees of Senate.
3. Student nominees for standing committees of Senate are prepared by a special sub-committee. Membership of the sub-committee includes the UMSU President (or designate), the GSA President and the two student members of the Senate Committee on Nominations. A list of nominees was received from this group and recommendations were made by the Senate Committee on Nominations at the October 6, 2010, November 3, 2010 and February 2 2011 Senate meetings.
4. On March 3<sup>rd</sup>, Professor Emily Etcheverry, Chair of the Senate Committee on Nominations, met with the UMSU President, the GSA President and the student members of the Senate Committee on Nominations to discuss the nomination of students to committees of senate. From this meeting a recommendation to harmonize the dates of terms of office of students with those of faculty committee members was sent to the Senate Committee on Rules and Procedures for consideration. This recommendation was approved at the April 6, 2011 Senate meeting.

Respectfully submitted,

Professor E. Etcheverry, Chair  
Senate Committee on Nominations

**Annual Report of the Senate Planning and Priorities Committee -  
April 1, 2010 to March 31, 2011**

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**Preamble**

1. The terms of reference of the Senate Planning and Priorities Committee (SPPC) are found on the website at:  
[http://www.umanitoba.ca/admin/governance/governing\\_documents/governance/sen\\_committees/508.htm](http://www.umanitoba.ca/admin/governance/governing_documents/governance/sen_committees/508.htm)

**Observations**

1. Membership of the Committee during the reporting period included:  
  
Elected by Senate: Ms. Ada Ducas (Chair), Prof. J. Blatz (Chair, April - October 2010), Prof. M. Bartell, Prof. C. Davis (on leave from October 2010), Prof. E. Epp, Prof. M. Freund, Prof. M. Gabbert, Prof. M. Matthews, Prof. A. McNicol, Prof. A. Shalaby, Prof. D. Smyth, Prof. J. Young  
  
Student Members: Mr. M. Ates  
  
Ex-officio Members: Dr. D. Collins, Vice-Provost (Academic Planning and Programs), Dr. K. Grant, Vice-Provost (Academic Affairs), Mrs. D. McCallum, Vice-President (Administration), Ms. S. Gottheil, Vice-Provost (Students), Dr. J. Ristock, Associate Vice-President (Research)
2. The work of the Committee is carried out by three subcommittees:  
  
Program and Curriculum Planning - chaired by M. Gabbert  
Space Planning - chaired by E. Epp  
Finance Planning - chaired by A. Ducas
3. During the period April 1, 2010 to March 31, 2011, the Senate Planning and Priorities Committee met on six occasions; April 26, August 30, October 25, November 29, 2010, and January 31, February 28, March 28, 2011. The appropriate reports of the Senate Planning and Priorities Committee are included in the Senate Minutes.
4. The Chair of SPPC and the members of the Finance Planning subcommittee are members of the President's Budget Advisory Committee (BAC). This committee contributed to discussion of the University Budget through a series of meetings in 2010 and continuing in 2011.
5. I wish to thank the members who served on SPPC during the period covered by this report for their hard work, enthusiasm and dedication to the task. The support to SPPC provided by the Recording Secretary, Meg Brolley, and the University Secretary, Jeff Leclerc, continues to be very valuable and is highly regarded by the members of SPPC. I also thank the University senior administration for attending meetings and providing the Committee with all pertinent information.

Respectfully submitted,

A. Ducas, Chair  
Senate Planning and Priorities Committee



## **Annual Report of the Senate Committee on Rules and Procedures**

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### **Preamble**

1. The Terms of Reference of the Senate Committee on Rules and Procedures are found at on the governance website.
2. The Senate Committee on Rules and Procedures is responsible for considering and recommending on any matter concerning rules and procedures for Senate or any committee of Senate.

### **Observations**

1. Members of the Committee for 2010-2011 were: Prof. John Anderson, Ms. Karen Adams, Prof. Ken MacKendrick and Dean Jay Doering as Chair.
2. During the period April 1, 2010 to March 31, 2011, the Senate Committee on Rules and Procedures reported to Senate on the following:
  - Revisions to the School of Art Bylaw
  - Revisions to the Faculty of Medicine Council Bylaw
  - Modification of the "Senate Standing Committees: Terms of Office" governing document
  - The addition of the Director of University Teaching Services as an assessor on Senate
  - Modifications to the distribution of Senators elected by faculty and school councils pursuant to section 27(1) of the *University of Manitoba Act*.
  - Considered a request of the Department of Mathematics for a ruling on the jurisdiction of the Dean of Graduate Studies. This request was referred to the Senate Executive for further consideration.

Respectfully submitted,

Dean J. Doering, Chair  
Senate Committee on Rules and Procedures

**Preamble**

The terms of reference for the Senate Committee on University Research (SCUR) can be found on the web at:

[http://umanitoba.ca/admin/governance/governing\\_documents/governance/sen\\_committees/510.htm](http://umanitoba.ca/admin/governance/governing_documents/governance/sen_committees/510.htm)

**Observations**

1. The members of the Committee for 2010-2011 included: Digvir Jayas, Vice-President (Research), as Chair; David T. Barnard, President and Vice-Chancellor (Ex-Officio); Karen Grant, Vice-Provost (Academic Affairs) (Ex-Officio); Gary Glavin, Associate Vice-President (Research); Janice Ristock, Associate Vice-President (Research); Jay Doering, Dean, Faculty of Graduate Studies; Barbara Crutchley, Director, Office of Research Services; Paul Hess, Director, School of Art; Mark Whitmore, Dean, Faculty of Science; Anthony Iacopino, Dean, Faculty of Dentistry; Michael Trevan, Dean, Faculty of Agricultural and Food Sciences; Karin Wittenberg, Professor, Faculty of Agricultural & Food Sciences; Roberta Woodgate, Associate Professor, Faculty of Nursing; Rick Linden, Professor, Department of Sociology; Jim Davie, Professor, Department of Biochemistry and Medical Genetics; Patricia Martens, Professor, Department of Community Health Sciences; Mostafa Fayek, Professor, Clayton H. Riddell Faculty of Environment, Earth and Resources; Mr. Gordon Fitzell, Assistant Professor, Faculty of Music; Lea Stirling, Professor, Department of Classics; Mohammad Sadek, Graduate Studies.
2. The Committee met four times during the reporting period on May 21, 2010, September 30, 2010, December 8, 2010 and February 10, 2011.
3. The committee approved three new committee members of the 2010 Dr. John M. Bowman Memorial Winnipeg Rh Institute Foundation Award Selection Committee.
4. The committee reviewed and recommended, to Senate, the following Centres, Professorships and Chairs

Closure of Centre for Hellenic Civilization

Renewal of the Centre for Research and Treatment of Atherosclerosis for a term of five years 2011-2016

Establishment of The Professorship in Neurobiology Research

Establishment of a Chair in Entrepreneurship, Faculty of I.H. Asper School of Business

Terms of Reference under Composition #7 were amended to include at least one of four deans or directors being from the Bannatyne Campus.

Research Centres, Institutes and Groups Procedures 2.3, 2.3.1.3 and 2.3.1.7 were amended regarding reviews of centres/institutes.

The Committee approved the membership of the Rh Awards Selection Committee, 2010.

Respectfully submitted,

A handwritten signature in black ink, appearing to read 'Digvir S. Jayas', written over a horizontal line.

Digvir S. Jayas, Ph.D.  
Chair, Senate Committee on University Research

/sj

SCHEDULE OF MEETINGS AND AGENDA MAILINGS  
SENATE AND SENATE EXECUTIVE COMMITTEE

June 2011 to December 2012

<b>Date for Items to the Secretary</b>	<b>Agenda to the Executive Committee</b>	<b>Executive Committee Meetings</b>	<b>Agenda to Senate Members</b>	<b>Senate Meetings</b>
May 26, 2011	June 2, 2011	June 8, 2011	June 16, 2011	June 22, 2011
August 11, 2011	August 18, 2011	August 24, 2011	September 1, 2011	September 7, 2011
September 8, 2011	September 15, 2011	September 21, 2011	September 29, 2011	October 5, 2011
October 6, 2011	October 13, 2011	October 19, 2011 (am)	October 28, 2011	November 2, 2011
November 10, 2011	November 17, 2011	November 23, 2011	November 25, 2011	December 7, 2011
November 24, 2011	December 1, 2011	December 14, 2011	December 22, 2011	January 4, 2012
January 5, 2012	January 12, 2012	January 18, 2012	January 26, 2012	February 1, 2012
February 2, 2012	February 9, 2012	February 15, 2012	March 1, 2012	March 7, 2012
March 8, 2012	March 15, 2012	March 21, 2012	March 29, 2012	April 4, 2012
April 19, 2012	April 26, 2012	May 2, 2012	May 10, 2012	May 16, 2012
May 24, 2012	May 31, 2012	June 6, 2012	June 14, 2012	June 20, 2012
August 9, 2012	August 16, 2012	August 22, 2012	August 30, 2012	September 5, 2012
September 6, 2012	September 13, 2012	September 19, 2012	September 27, 2012	October 3, 2012
October 11, 2012	October 18, 2012	October 24, 2012 (am)	November 1, 2012	November 7, 2012
November 8, 2012	November 15, 2012	November 21, 2012	November 29, 2012	December 5, 2012

1. Senate meets the end of June so that a meeting in July is not required.
2. Senate meets the third Wednesday in May to consider the list of graduands for Senate approval.
3. Senate meetings are held in the Senate Chambers, Room E3-262 Engineering Building at 1:30.
4. Senate Executive meetings are held the Alan A. Borger Sr. Executive Conference Room, E1-270, EITC at 1:30.
5. Senate Executive will meet at 9:00 am on October 19, 2011 and on October 24, 2012, due to Fall Convocation.



**MEMORANDUM**

**DATE:** April 20, 2011

**TO:** David Barnard, Chair of Senate

**FROM:** Jeff M. Leclerc, University Secretary

**SUBJECT:** APPROVAL OF MOTIONS

*BOARD OF GOVERNORS MEETING – April 20, 2011*

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At its meeting on April 19, 2011 the Board of Governors approved the following motions:

**THAT the Board of Governors** approves a \$1 per term increase to The Manitoban student levy for each undergraduate member of UMSU.

**THAT the Board of Governors** approve the establishment of Chair in Entrepreneurship.

**THAT the Board of Governors** approve two new offers, one amended offers, and the withdrawal of three offers as set out in Appendix B of the Report of the Senate Committee on Awards – Part A [dated February 18, 2011].

JML/sf

***In Memoriam: Dr. John Rempel***  
September 29, 1942 – April 3, 2011

Waldemar John Rempel received his BA from the University of British Columbia in 1964 and earned his PhD from The University of Texas at Austin in 1973. He joined the Department of English at the University of Manitoba in 1970 to begin a distinguished career in teaching and scholarship that would last for thirty-seven years. Upon his retirement in December 2007, he was named Senior Scholar, a position he relished.

A specialist in the literature and culture of the eighteenth century and the Restoration, Dr. Rempel's interests also included Shakespeare, Elizabethan and Jacobean drama, the history of the book, bibliography, university teaching, and, in recent years, literature of humour. He served his Department and discipline with exuberance and aplomb, very often as chair of committees. While he served in a wide capacity, including tenures as chair of our graduate programme, Associate Head, and Acting Head, he was especially dedicated to the promotion of excellence in teaching, in the Department, Faculty, and University. He became a member of the Senate Committee on Instruction and Evaluation soon after its founding; he was a long-time member of the Teaching Excellence Committee in the Faculty of Arts; and he worked closely with UTS in its Peer Evaluation programme. It is no surprise that Dr. Rempel won awards and accolades for his own teaching, including the prestigious Dr. and Mrs. H. H. Saunderson Award for Excellence in Teaching.

These facts do not begin to measure the many ways in which John touched the lives of his students, friends and colleagues—especially, perhaps, his junior colleagues.

Teaching was a calling and a passion for John. More than that, teaching for John was an art. He practiced his craft with exceptional energy, and with careful attention to the myriad facets that could make a course sparkle for students. He understood that physical space influences classroom dynamics. Prior to the start of classes, he would visit the rooms in which he would be teaching that year so that he could think ahead of time about how best to use the space. He understood how important are the first impressions of a course and so designed his syllabi to welcome rather than intimidate students. He welcomed students also by making it a point to get to know each of them by name within the first few days of class—a feat of memory supported (when it was still possible to do this) by Polaroid snaps or a video camera. He understood how terrifying it is for some students to go see a professor during office hours, so he endeavoured to make this occasion altogether pleasant, keeping a dish of candy in his office along with a little fridge, well stocked with juice boxes, and populating his desk and bookshelves with stuffed animals. The latter invariably drew comment and so eased the way into discussion of matters to do with course work. John's knack for putting students at ease—so that they could live up to their potential—influenced several cohorts of graduate students as well; he was an exceptional mentor to them, especially as they began their own teaching careers.

John's fine sense of decorum, his understanding of how best to fit means to occasion, shaped his academic life outside the classroom as well, in ways ranging from whimsical to weighty. Many of us remember his assortment of shirts emblazoned with images, of Shakespeare or dogs—two of the passions of his life—and with wit. Fewer of us knew that he always wore white to mark with appropriate *gravitas* an event such as a thesis defence. Those of us who attended any of John's wine-tasting events savoured his sense of occasion as much as we did the wines or sherries or ports that we sampled. What most of us did not know was that John usually supplied these often rare and exotic samples as a gift from his own stock. It was entirely typical of John that his generosity remained unannounced.

Many of you will recall that John wrote a wine column, punningly entitled “Grape Expectations,” for many years and that he regularly circulated updated lists of best buys. It was characteristic of John to want to share with friends and colleagues his own discoveries about what delighted him. And his interests were wide and varied. He was enthusiastic and informed about wine, about Georgian sterling, about music, about rare books, about theatre, about dogs-especially his beloved Huskies, about humour, from its crudest to its most refined.

As this litany suggests, John had a deep appreciation of culture, high, middling, and low. Long before it became fashionable to ground literary studies in the material culture of an age, John was doing so in his courses. Generations of students benefitted from his knowledge and collections. He would routinely bring into class objects that connected students to the literature they were studying or introduce students to the Renaissance or the eighteenth century through the music or, with the help of his wife, Ursula, the dance of the period.

John was just as much a student as a teacher. Although his command of the literature that he taught was such that he could recall *verbatim* an astonishing number of lines of poetry or passages of prose, he never lost the joy of discovering something new in what he knew well already. He loved teaching Shakespeare because of the inexhaustibleness of the plays; he used to remark that you could enter a Shakespeare play anywhere and find new avenues to explore. He was an avid theatre-goer; over the years he attended more Black Hole Theatre productions than probably anyone else. He took something away from every single performance of a play. Just as he delighted in his own findings of new meanings, so also did he share in the excitement of younger scholars who discovered for themselves something that was already a part of his capacious understanding. John found enormous pleasure in collegial life, and, as one of his junior colleagues put it, he had a gift for making others “feel good about themselves.”

The eighteenth-century English literature in which John was deeply immersed is known especially for its wit and decorum. It is entirely fitting that John’s own academic life was distinguished by these very traits. He will be sorely missed by his friends and colleagues.

### In Memoriam: Dr. Marek Debicki

To the surprise and sadness of his family, his friends and his colleagues, Dr. Marek Debicki passed away on Friday, March 11, 2011.

Born in Warsaw, Poland on April 4, 1940, his early schooling was in England. Returning to Poland to pursue journalism and legal studies at Jagiellonian University and Warsaw University, Marek then taught at Warsaw University, and later took Russian language courses at Moscow University. At Princeton and Yale Universities, he studied international law before his appointment as Lecturer in Political Studies at the University of Manitoba in 1967.

His appointment letters noted that, in addition to his expertise in public administration and international law, Marek was a “qualified alpinist, an expert kayaker, and a canoeing trip leader.” One associate from Vanderbilt University wrote that Marek “had connections with old Polish nobility,” an assertion that would mystify his friends and coworkers for decades to come. His passion for adventure would continue, with frequent and exotic international jaunts, and thrilling pursuits including sailing, dog sledding, and mountaineering. He was, as his son Christopher described him, “a scholar and a man of action.”

Marek first joined St. Paul’s College, and later took up his office in University College, where he became a fixture for faculty, staff, and students. He cherished his membership at “UC,” where he could be found debating with fellow faculty members, teaching his classes, and generally basking in the comfort of fellowship and the company of his peers. Encounters with Marek were not passive affairs as he had a unique ability to frustrate and charm at the same time!

He was a specialist in public law, public administration, human rights, and Canadian politics. Chair of the Joint Masters degree in Public Administration (with the Department of Politics at the University of Winnipeg), Marek was a champion of the study of policy and politics. He volunteered to travel to Norway House, Manitoba to teach masters level courses to First Nations students enrolled through the Inter-Universities Northern Program there. He was instrumental in creating partnerships and exchange programs with many institutions, including the Bialystok School of Public Administration and the National School of Public Administration in Poland, and similar programs in Ukraine, Slovenia, and Kazakhstan. His keen interest in collaborations with other universities continued, and at the time of his passing, he had organized a visit of faculty from the Lazarski School of Business & Law in Warsaw. That visit will take place as planned.

Marek’s passing is an enormous loss for his wife Anetta, his daughters Elizabeth and Sophie, and his sons Christopher, Jeremy, and Matthew. For his many friends at the University of Manitoba, in Winnipeg, and beyond, he will be seriously missed.



## **PRESIDENT'S REPORT: May 18, 2011**

### **GENERAL**

Since it was initiated in 2009, work related to the ROSE program has occupied the time and benefitted from the talents of hundreds of members of the University of Manitoba community. On May 3, the University had an opportunity to thank 150 of them at an appreciation breakfast. We are moving forward to a new phase in the ROSE program, supported by Mr. Les Howard, the new Program Manager for the ROSE Program. He is meeting with each stream's stakeholders for orientation on the stream's initiatives and assessment of the program. A transition plan is being developed to move off some of the PricewaterhouseCoopers (PwC) resources and determine a cost for the retention of the remaining PwC resources that have been identified as critical to the streams in order to avoid interruptions/delays in the delivery of their projects.

The University of Manitoba's entry into the U15 group of universities is an exciting new development that promises to enhance information-sharing, collaboration and relationships with peer universities. Already work has been initiated to integrate the University into the U15 exchange of data, and the Vice-President (Academic) and Provost and I both have had the opportunity to meet with our counterparts.

On May 9, Red River College President Stephanie Forsyth and I signed a Partnership Protocol Agreement (PPA) that is aimed at strengthening existing collaboration between the University of Manitoba and Red River College. The PPA reinforces a commitment to collaborative planning of programs and services, facilitating joint academic programming, pursuing bridge programming initiatives, enhancing student mobility and fostering collaborative research efforts. This will include looking for additional opportunities for the articulation of courses and programs so that students can transfer smoothly between the two institutions. The agreement also outlines a commitment on behalf of both institutions to furthering Aboriginal student access and achievement in post-secondary education.

The 2011-2012 operating budget and financial plans for all other fund types (Research and Special, Capital, Trust and Endowment) will be presented to the Board of Governors (BoG) on May 17, 2011. The 2011-2012 operating budget was developed on the basis of a 5% base grant increase and a 1% tuition increase for all programs. 2011-2012 budget details will be included in the June 2011 report to the Board and Senate. This follows extensive efforts by the University to promote to the Province of Manitoba the needs and priorities of the University in the pre-budget period.

In May, look for an expansion of the national marketing campaign that began a few months ago to incorporate content from three additional areas of focus within the Strategic Planning Framework: food and bioproducts, new materials, and culture and creativity. Ads will be featured in targeted magazines and online ads for major newspapers and all are geared toward building a national brand for the university.

### **ACADEMIC MATTERS**

- Anton Chakhmouradian, geological sciences was awarded the 2011 Hutchison Medal by the Geological Association of Canada for recent exceptional advances in Canadian earth science research.

- James Teller, geological sciences, received the 2011 W. A. Johnston Medal of the Canadian Quaternary Association for excellence in Quaternary science.
- Kelvin Seifert, education, received the prestigious award Lifetime Distinguished Service and Scholarship for the Teaching of Educational Psychology by the American Education Research Association.
- Anastasie Hacault, graduate student, agribusiness and agricultural economics, was awarded first place for her poster presentation at the Canadian Dairy Outlook Seminar in Montreal. She will advance to compete at the World Dairy Summit in Parma, Italy, in October 2011.
- Former provincial and federal political leaders attended the “Duff Roblin Legacy: Enhancing Civic Engagement in Manitoba” conference to address the growing political apathy of Canadian citizens. The conference was sponsored by the University’s Duff Roblin Professorship and the Manitoba Institute for Policy Research.
- Over 200 members of the general public have participated in the faculty of medicine’s *Mini-Medical School*, a series of health-related lectures by faculty members.
- The faculty of medicine’s undergraduate medical education program completed its accreditation review and the surveyor’s report is expected in June 2011. In addition, the division of continuing professional development will undergo an accreditation review by the Committee on Accreditation for Continuing Medical Education in June 2011.
- The department of biological sciences will begin to occupy the Biological Sciences Building (formerly the pharmacy building). The department will begin teaching in the building this summer session.
- The faculty of science’s “Let’s Talk Science” outreach initiative held a two day event at St. Vital Mall to share hands-on science experiments. In addition, the outreach initiative held the 2nd annual one day “All Science Challenge” for grades 6 to 8 students. Students are tasked to complete a hands-on design activity.
- The 1<sup>st</sup> annual Manitoba Materials Conference was held in May 2011 which provided the opportunity to showcase graduate student and postdoctoral research in the area of materials science and technology.
- *Science Rendezvous*, organized by James Xidos, chemistry, is a nation-wide science and technology festival that aims to make science accessible to the general public with a day of engaging, informative and interactive events. The goal is to encourage a public understanding of the great impact science and technology has on our lives and our changing world. The event will take place on May 7, 2011 the University and the Inner City Science Centre.

## RESEARCH MATTERS

- Distinguished Professor Lotfollah Shafai (engineering) and Canada Research Chair in Applied Electromagnetics, was chosen to receive the 2011 Killam Prize in Engineering. The Canada Council for the Arts made the announcement on April 19, 2011. Shafai and his team are credited with the

development of compact antennas used today in wireless and satellite communications, remote sensing, telemedicine, smart vehicles and navigation systems. His communications technologies have also made an impact on radar metrology, radio astronomy, medical diagnostics, and most recently, electromagnetic mapping of Arctic sea ice. The \$100,000 Killam prize is among Canada's most distinguished research awards. Recipients are chosen by a committee of 15 eminent Canadian scholars appointed by the Canada Council.

- The Office of the Vice-President (Research) held a reception in honour of new Royal Society of Canada Fellows and the Bancroft Award Winner on April 21, 2011. The three honourees were: Terry Cook (history), Leslie Roos (community health sciences) and George Toles (English, film and theatre). World-renowned mineralogist and RSC Fellow Frank Hawthorne, who was the recipient of the Bancroft Award, was also honoured.
- The 2010 Rh Awards honouring researchers for current success and future potential were presented to the seven recipients on April 20, 2011. The recipients are: Applied Sciences – Pourang Irani (computer science), Creative Works – Gordon Fitzell (music), Health Sciences – Annette Schultz (nursing and St. Boniface Hospital Research), Humanities – Michelle Faubert (English, film and theatre), Interdisciplinary – Francis Lin (physics and astronomy), Natural Sciences – Wen Zhong (textile sciences), and Social Sciences – Brook Milne (anthropology). Each recipient receives \$10,000 to support their research programs.
- Distinguished Professor Naranjan Dhalla (physiology and Director of Cardiovascular Developments at St. Boniface Hospital Research), achieved the milestone of 600 peer reviewed publications over his 44-year career. In recognition, a surprise dinner was held in his honour on April 17, 2011. The evening was hosted by St. Boniface Hospital Executive Director of Research Dr. Grant Pierce and was attended by numerous colleagues, friends and distinguished dignitaries from the science, medical and political communities. The inauguration of the St. Boniface Hospital Research Hall of Fame was also announced at the event, with Dhalla as the first inductee. The Research Hall of Fame is to be located in the atrium of the hospital's MacLean Building.
- Joan Durrant (family social sciences), was the recipient of the 2011 Humanitarian of the Year award by the Manitoba Chapter of the Canadian Red Cross. Durrant's research focuses on the psychological, cultural, legal and human rights dimensions of corporal punishment of children in Canada and worldwide. The Humanitarian Award is presented to an individual who has demonstrated the spirit of humanity through volunteer work, advocacy, leadership and philanthropy, their community and around the world.
- The Centre on Aging's Annual Spring Research Symposium was held on May 2, 2011 at the Brodie Centre, Bannatyne campus. Minister Jim Rondeau opened the day with greetings on behalf of the Province of Manitoba. Numerous presentations and workshops on a variety of topics and challenges being faced by seniors and an aging population were held throughout the day.

- Forty-two health research projects received \$3,721,297 in funding from 18 sponsors:

Researcher (s)	Funder	Project Title	Funding
Cattini, Peter (Physiology)	Heart & Stroke Foundation of Manitoba	Characterization of the cardiac growth factor FGF-16: A possible role in modulating resistance to cardiac injury	\$100,000
Jilkina, Olga (Oral Biology)	Heart & Stroke Foundation of Manitoba	Near-infrared spectroscopic imaging of myocardial oxygenation in healthy and diseased rodent hearts	\$100,000
Dixon, Ian (Physiology)	Heart & Stroke Foundation of Manitoba	Role of ski [c-Ski] in myofibroblast regulation in heart failure	\$100,000
Del Bigio, Marc (Pathology)	Heart & Stroke Foundation of Manitoba	Periventricular hemorrhage in immature brain	\$100,000
Del Bigio, Marc (Pathology)	CIHR	Preclinical studies for treatment of hydrocephalus	\$100,000
Ho, Emmanuel (Faculty of Pharmacy)	CIHR	Intravaginal ring for the prevention of HIV transmission	\$393,969
Menec, Verena (Community Health Sciences)	CIHR	Age-friendly communities and healthy aging: From knowledge to action	\$15,000
Ball, Terry (Blake) (Immunology)	CIHR	2nd International Symposium on Natural Immunity to HIV	\$22,500
Edwards, Marie (Dean's Office - Faculty of Nursing)	CIHR	Ethics and the interface between long-term care and emergency settings	\$4,660
Duhamel, Todd (Faculty of Kinesiology and Recreation Management)	CIHR	Does AMPK signaling regulate the pathological remodeling of sarcoplasmic reticulum proteins in diabetic muscle?	\$391,222
Aukema, Harold (Human Nutritional Sciences)	CIHR	Effect of dietary interventions on disease progression in orthologous models of polycystic kidney disease	\$354,648

Fowke, Keith (Medical Microbiology)	CIHR	Drivers and consequences of immune quiescence in HIV exposed seronegative individuals from Nairobi, Kenya	\$712,140
Shaw, R (Anthony) (Oral Biology)	CIHR	Point of care diagnostic and analytical metabolomic testing	\$289,018
Thompson, Genevieve (Faculty of Nursing)	CIHR	Developing an expert model of palliative care for older adults with dementia	\$34,687
Blanchard, James (Community Health Sciences)	CIHR	HIV prevention in vulnerable populations: Addressing complexity in program design and implementation	\$100,000
Heaman, Maureen (Faculty of Nursing)	CIHR	Evaluating the feasibility of routine psychosocial assessment in pregnant and postpartum women	\$12,963
Restall, Gayle (Occupational Therapy)	CIHR	Exploring service delivery models to address the rehabilitation needs of people living with HIV/AIDS	\$32,953
Glazner, Gordon (Pharmacology and Therapeutics)	CIHR	Targeting the cytokine/NF-kB axis in diabetic neuropathy	\$100,000
Mignone, Javier (Family Social Sciences)	CIHR	2nd Summer Institute on Knowledge Management & Evaluation on Social Determinants of Health	\$22,000
Cattini, Peter (Physiology)	CIHR	DRG and E&MD Research Development Workshop in Diabetes and Metabolic Diseases	\$7,500
Hitchon, Carol (Internal Medicine)	UCB Canada Inc.	Health care use and costs in rheumatoid arthritis	\$50,000
McGavock, Jonathan (Pediatrics and Child Health)	Public Health Agency of Canada	Getting better together: A peer-led program for achieving healthy weight in youth and young adults in a Northern Aboriginal community	\$60,000

Karpinski, Martin (Internal Medicine)	Kidney Foundation of Canada - Manitoba Branch	Developing a survey to identify barriers to living donor kidney transplantation among Aboriginals	\$11,500
Eisenstat, David (Pediatrics and Child Health)	CIHR	Pathogenesis of damage in developing brain following hemorrhage	\$132,000
Afifi, Tracie (Community Health Sciences)	Winnipeg Foundation (The)	Mental and physical health correlates of physical punishment and the relationship between physical punishment and family violence: Data from a nationally representative sample	\$12,500
Virues Ortega, Francisco (Psychology)	Winnipeg Foundation (The)	Effects of intensive behavioural intervention on brain plasticity in children with autism	\$12,500
McKay, Michael (Surgery)	University Medical Group	Diagnosis of VTE post discharge for major abdominal and pelvic oncologic surgery: Implications for a change in practice	\$11,000
Nyomba, Bulangu (Internal Medicine)	Health Sciences Centre	Effects and mechanical aspects of ethanol on glucose metabolism in offspring	\$56,218
Mookherjee, Neeloffer (Internal Medicine)	Health Sciences Centre	Defining molecular mechanisms of chronic inflammation and immunomodulation	\$40,000
Fowke, Keith (Medical Microbiology)	CIHR	Prairie Infectious Immunology Network 2011	\$10,000
Anderson, Christopher (Pharmacology and Therapeutics)	CIHR	Manitoba Neuroscience Network - 2nd Annual Scientific Meeting	\$6,000
Kardami, Elissavet (Human Anatomy and Cell Science)	St. Boniface General Hospital	Cardiovascular muscle cell biology	\$21,000

Stannard, Karen (Pediatrics and Child Health)	Children's Hospital Foundation of Manitoba Inc.	CPT1 P479L variation: A risk factor for the development of seizures amongst Inuit children in Kivaliq Nunavut Canada	\$2,570
Nachtigal, Mark (Biochemistry and Medical Genetics)	Marsha Rivkin Center for Ovarian Cancer Research	Autocrine BMP inhibition: A novel therapeutic strategy for ovarian cancer	\$15,617
Minuk, Gerald (Internal Medicine)	Health Sciences Centre Foundation	Support of "The viral hepatitis northern network: A platform for addressing viral hepatitis in the Canadian North" and "Cancer stem cells and hepatocellular carcinoma"	\$64,636
Lin, Hung-Yu (Radiology)	Manitoba Medical Service Foundation	Developments of novel MRI techniques to improve diagnosis of congenital and valvular heart diseases	\$20,000
Katz, Alan (Family Medicine)	Sunnybrook Health Sciences Centre	Health care system sustainability through longitudinal efficiency: Improved quality and lower costs	\$67,795
Halayko, Andrew (Physiology)	University of British Columbia	The S100A8/A9-RAGE axis in airway hyperresponsiveness and remodeling	\$52,500
Stutsky, Brenda (Faculty of Nursing)	Federation of Medical Regulatory Authorities of Canada	A Pan-Canadian inventory of physician assessment, enhancement, and remediation activities	\$6,200
Srinathan, Sadeesh (Surgery)	University Medical Group	BNP and AF in thoracic patients	\$20,000
Malisza, Krisztina (Psychology)	Alcoholic Beverage Medical Research Foundation	Stop, look and remember - Neuroimaging cognitive function in children with ARND and ADHD	\$56,000

- Twenty-four research projects received a total of \$3,869,408 in funding from 21 sponsors. The projects were as follows:

<b>Researcher (s)</b>	<b>Funder</b>	<b>Project Title</b>	<b>Funding</b>
Beta, Trust (Food Science)	Kellogg North America Company WKKI	Phytochemicals in wheat, corn and barley	\$100,000
Cicek, Nazim (Biosystems Engineering)	Prairie Agricultural Machinery	Anaerobic digestion in Manitoba	\$50,000
Connor, Mary (Animal Science)	Agriculture and Agri- Food Canada	Sow housing: Risk factors and assessment techniques for lameness, productivity and longevity in group and individually housed gestating sows	\$732,000
Entz, Martin (Plant Science)	Beef Cattle Research Council	Effect of resting perennial pastures during the critical acclimation period on beef cattle performance, alfalfa persistence, pasture productivity and water use efficiency	\$176,525
Flaten, Donald (Soil Science)	Manitoba Pork Council	By-products processing research and demonstration facility	\$543,000
Gulden, Robert (Plant Science)	University of Guelph	Refinement of dry bean harvest- aid herbicides to protect seed quality	\$94,500
McVetty, Peter (Plant Science)	Food Development Centre	Natural cropping systems plant breeding program	\$120,300
Ominski, Kimberly (Animal Science)	Agriculture and Agri- Food Canada	Extensive cattle overwintering nutrient management project	\$36,000
Ominski, Kimberly (Animal Science)	Food Development Centre	Use of residual feed intake technology to improve viability of the beef cattle sector in Manitoba	\$33,400
Slominski, Bogdan (Animal Science)	Canola Council of Canada	High inclusion levels of canola meal in swine and poultry feeds	\$412,000
Slominski, Bogdan (Animal Science)	Canola Council of Canada	Improving carbohydrate composition of canola meal to increase energy content	\$231,000



LoVetri, Joe (Electrical and Computer Engineering)	National Research Council	To simulate electromagnetic fields of MRI RF coils within a biologically equivalent model using FDTD software optimized to be fast and accurate	\$20,000
Mufti, Aftab (Civil Engineering)	Government of Canada	West block rehabilitation project: Investigation of behavior of clintec anchors	\$41,323
Oleszkiewicz, Jan (Civil Engineering)	Environment Canada	Sustainable nutrient removal and recovery from wastewater	\$36,000
Barber, David (Centre for Earth Observation Science)	Environment Canada	Fresh water Lake Winnipeg - Science (EC Program)	\$40,000
Aliani, Michel (Human Nutritional Sciences)	Saskatchewan Pulse Growers	Thermal pretreatment of pulses for innovative ingredients and consumer-ready meat products	\$70,500
Roger, Kerstin (Family Social Sciences)	Dalhousie University	National population health study of neurological conditions: The everyday experience of living with and managing a neurological condition - Link study	\$69,022
Bernstein, Charles (Internal Medicine)	Abbott Laboratories, Limited	Health care utilization as a predictor of disease activity in IBD	\$86,000
Malisza, Krisztina (Physiology)	Alcoholic Beverage Medical Research Foundation	Stop, look and remember - Neuroimaging cognitive function in children with ARND and ADHD	\$56,000
Moses, Stephen (Medical Microbiology)	Family Health International (FHI)	IBBA surveys to evaluate the Avahan program	\$294,645
Moses, Stephen (Medical Microbiology)	Gates (Bill and Melinda) Foundation	Support to African countries in the design and development of targeted HIV prevention programs	\$109,420
Nickerson, Peter (Internal Medicine)	Astellas Pharma Canada, Inc.	A pilot study of the incidence of acute kidney injury associated with three Advagraf and MMF based steroid free immunosuppression combination therapies in de novo liver transplant recipients: A Canadian	\$93,852

		sub study of the DIAMOND study	
Zahradka, Peter (Physiology)	Pulse Canada	Effects of pulse varieties on blood vessel function in individuals with peripheral arterial disease	\$350,001
Jones, Peter (Richardson Centre for Functional Foods and Nutraceuticals)	Laval University	Impact of dairy consumption on inflammation: A clinical study	\$73,920

## ADMINISTRATIVE MATTERS

- **Project ROSE** – Throughout the last month, many of the six ROSE project streams experienced significant movement and results within their initiatives. Some highlights include:

### **Finance and Supply Chain Management Stream**

#### *Travel Initiative:*

- A contract has been signed between the U of M and Concur Technologies, Inc. to purchase its integrated On-Line Booking and Expense Management tool. The travel team is working with Concur to develop an implementation strategy.

#### *eProcurement Initiative*

- In April, three vendors presented their eProcurement software to the university. Attendance at the demonstrations was fantastic, with over 100 participants registered at each session. The team is now reviewing feedback and beginning the vendor selection process.
- A FAQ document for eProcurement was developed and posted on the financial services website and the ROSE website.

#### *Billing to Cash Initiative*

- The system configuration and initial testing is complete and user security has been set up.
- Customer data taken from Banner was successfully loaded into the FAST accounts receivable test environment.

#### *Monthly Reporting Initiative*

- The team was successful with testing a fiscal budget load and a mass upload of user security profiles into the FAST reporting test environment. They continue to work on reports and budget adjustment testing.

#### *Purchasing Operating Model Initiative*

- IST has delivered seven of 10 requested key performance indicator (KPI) reports and the team is in the testing and revision process. These key performance indicators will be instrumental in assessing supplier relationships and achieving cost savings.

## **Human Resources Stream**

### *Employee Self-Service and Management Information Portal Initiative*

- Work on the VIP system upgrade is well underway with the go-live date of May 17.
- Work has begun on the development of employee self-service (ESS) and management information (MIP) portals, with a projected go-live during the summer months.

### *eRecruitment Initiative*

- Work on the eRecruitment system is ahead of schedule with all project activities being handled by U of M staff.
- System branding is nearing completion, while a naming contest for the tool was launched on May 2.

## **Information System Technology Stream**

### *Shared Service Initiative*

- The IT Service Desk was rolled out to eight faculties and departments at the Fort Garry campus on April 4. In the first few weeks of use, 408 tickets were issued and, of those, 252 were resolved within that time frame. Forty-seven per cent (194) of those tickets were resolved on first contact.
- In its first few weeks of use, the IT Service Desk produced an average response time of 12 minutes and an average resolution time of four hours and 10 minutes. For service requests they were able to meet the service level agreement time at a rate of 93 per cent; for incident resolutions they met the service level agreement goals 72 per cent of the time.

### *IT Procurement Centre (ITPC)*

- Work continued on the implementation of the IT Procurement Centre (ITPC). A number of meetings were held with Ancillary Services to ensure the ITPC operations were coordinated with Computers on Campus. A revised project plan would see ITPC implementation in early October, 2011. The ITPC is working to issue an RFP for Windows based computers.

## **Physical Plant Stream**

### *Work Order Management Initiatives*

- Development of the single point of contact (SPC) database is still in progress. They will be approaching those departments which have not yet responded with a designated SPC.
- The work requester module, and associated website, is still in testing.
- Input from the steering committee has been incorporated into the chargeable services policy; the policy is awaiting approval.

### *Project Management Initiatives*

- Procedures for use of cross functional teams to scope potential projects are still under review by the physical plant implementation team; opportunities for standardization of project management procedures have been identified.
- The tender process is under review, objectives being improvement of the quality of construction projects and reduction of post tender costs. Models from other organizations are being studied.

- Although they have confirmed the business case for hiring additional in-house designers, they are still seeking resolution to space constraints.

## **Research Services Stream**

### *Contracting Initiative*

- The Collaborative Research Agreement template is finalized. The remaining four templates will be available for use by the fall 2011.
- The first draft of the overhead policy revisions is complete.
- Software will be developed to give researchers the ability to track the status of their research contract in the review process.

### *Pilot Workflow Software Initiative*

- An implementation strategy for new software systems that support protocol review and animal facility management is being finalized.
- The scanning of active human ethic protocols into the software has begun at the Bannatyne office and is progressing nicely.
- Final vendor demonstration of animal facilities management software to the users has taken place and is being analyzed for viability. These systems will ensure the university's high level of compliance with outside monitoring agencies and maintain funding eligibility.

## **Student Services Stream**

### *Financial Aid and Awards Initiative*

- The financial aid and awards office is implementing the student awards module (called Banner Student Aid for Canada) in its student information system, and the project team celebrated the completion of the new convocation medal selection reports that should save both time and manual intervention as gold and program medal winners are selected in the various faculty offices in time for this year's spring convocation.

### *Customer Relationship Management Initiative*

- The student recruitment office received 15 responses to the RFP for the customer relationship management (CRM) module, and the selection team will be evaluating these responses and making a selection over the next month.

### *Admissions Initiative*

- The admissions office prepared for a visit from SunGard consultants in early May, an important step in determining the design stages for an enhanced admissions system benefitting both student applicants and staff.

### *Classroom Scheduling Initiative*

- Following an in-depth requirements gathering and product selection process, the university has purchased the Astra Schedule Suite of products and services.

- **Sustainability - Energy Performance Update** - The year to date measured savings for fiscal year 2010/11 were \$4,521,000 compared to \$4,374,000 for the same period in the year 2009/10.
- **Alcohol Advisory Committee** - To date the Alcohol Working Group has been informal and in the past the Alcohol and Beverage Committee has met on an ad hoc basis. We are trying to formally reconstitute this committee by clearly articulating the composition, scope and terms of reference moving forward. Key goals will be the formulation of a program around alcohol awareness and consumption. Composition will likely include members from RSAC, UMSU, GSA, Aramark, Ancillary Services, Risk Management, Security Services, Office of the AVP Administration, Student Affairs (AVP Academic) and Bannatyne Campus.
- **Space and Construction Updates:**  
**ART Lab** - All major concrete work is complete. The construction schedule is now into Phase 3 and all KIP funding requirements are being met.

**Biological Sciences (Pharmacy) Building** - The Department will begin moving into the building at the beginning of May 2011. They are currently occupying the lab space for classes offered during Inter-Session. The General Contractor will be working beyond the occupancy date and into the summer months to address exterior seasonal deficiencies. Project completion scheduled for the summer of 2011. Building commissioning is underway.

**Chancellor's Hall** - The Alumni Association will move into the 2<sup>nd</sup> Floor in May and the first floor will soon be available for events booked through Conference and Catering Services by mid-May.

**Pembina Hall Residence** - BIRD Construction has confirmed that the construction schedule will be met for a September 2011 opening and occupancy date. Housing has received 486 applications for the new residence (343 new students and 143 returning), illustrating that demand for student housing exceeds supply. The cutoff date for applications is not until May so there may be many more applications forthcoming. The new furniture has been ordered with a significant portion of the furniture being produced by a local manufacturer.

**Playing Fields** - Piles for the lighting have been installed and work on the fields will commence the first week of May. Project completion date is July 1<sup>st</sup> 2011.

**Smartpark Event Centre** - The new Event Centre will be substantially complete by June 1<sup>st</sup> 2011. The Campus Planning Office will be located on the 3<sup>rd</sup> Floor. Michelle Richard, the new Director of Campus Planning and Real Estate starts on May 16<sup>th</sup> and will work in the Vice-President (Administration) office until the CPO is ready. Michelle has experience as a Long Range Urban Planner with the City of Winnipeg and most recently led the ***OurWinnipeg*** Initiative and the ***SpeakUp!Winnipeg*** public engagement program.

**Stadium Parking** - We continue to work with BBB Inc. and other stakeholders including Stantec, Winnipeg Transit and City of Winnipeg Police, Transportation and Land Planning departments to develop a traffic management plan for the new stadium. There is the potential that some of the undeveloped acreage in Smartpark will be used for surface parking for stadium events.

**Tennis Courts Relocation** - Possible locations for the 6 tennis courts displaced from the stadium site are being reviewed.

**Wallace Building Addition Phase I** - Structural steel, deck and roofing is complete. Glass installation is in progress. Completion date for Phase I is June 15<sup>th</sup> 2011.

**177 Lombard, 2<sup>nd</sup> Floor Interior Fit-Up** - Current construction work expected to be completed by May and the donor upgrade work will be completed over the summer. The space will shut down over July and August while finishes are upgraded. The space will be ready for classes to resume in September.

**Generators** - Masonry work is complete on the east and north sides of the Fort Garry campus. Project completion date is set for May 13<sup>th</sup> 2011.

**COPSE Critical Projects** - Over \$13M was spent in 2010/11 on COPSE Critical and Capital Debt projects in the following categories: Asbestos abatement, Duff Roblin Fire Alarm and Sprinkler System Upgrade, Machray Hall Curtain Wall Restoration, Domestic Water Backflow Devices, Window and Roof Replacements, Electrical Distribution Upgrades, Fire Safety Non-Compliance Issues, Teaching/Technology Classroom Upgrades.

**Manitoba Marathon** - In past years organizers of the Manitoba Marathon have relied on the old University stadium site for medical triage but this year, due to the new stadium construction organizers will be relying instead on the use of SD Lot for various activities and the Indoor Soccer Complex for medical triage. The old stadium will still be used for the finish line.

- **Ancillary Services**

**Bookstore** - The Bookstore will now sell Bus Passes to ICM students in agreement with the Winnipeg Transit Authority. This new negotiation was the result of the fact that UMSU refused to sell bus passes to ICM students out of the Answers Information Booth.

- **Financial Services**

**Year-End Activities** – The general purpose financial statement preparation and audit process is underway along with many year-end activities, including: finalizing the calendar 2010 compensation disclosure report and audits; closing the general ledger to old-year transactions and accruals; and, preparing an accounting position paper for the external auditor on the appropriate treatment of the BBB Stadium Loan and Receivable.

**BBB Stadium Loan** - Approximately \$24 million of stadium financing has flowed directly from the Province to BBB Stadium and will be reflected in the 2011 University Financial Statements. At the request of the Province, a process is being established for future loan advances (and repayments) to flow through the University instead of directly to BBB Stadium.

**GSA/UMSU separation of student fees** - Financial Services and the Registrar's Office are working on processes to allow for separate fee assessments and remittances for GSA and UMSU. The target date for implementing these changes is prior to 2011-2012 regular session registration opening.

- **Human Resources**

**Retirement Seminars** - Two retirement seminars were recently held and attendees received an estimate of their pension as part of the seminar. A Sun Life seminar was also held, outlining the new Group LIF/PRIF option for retirees.

**Bargaining** - The AESES Collective Agreement expired on April 8, 2011. Two meetings have been held and future meetings scheduled on April 27, May 4, 11, 18 and 25.

The CUPE 3909 – Teaching Assistants expired on August 31, 2010. On April 11, 2011 the University proposed a final offer of settlement on all remaining issues and requested that the Union take the offer to its membership for ratification. The offer was rejected by the CUPE 3909 members authorizing strike action. A conciliation meeting is set for May 9, 2011.

The CUPE 1482 – Engineering Support Staff Collective Agreement expired in September of 2010. An initial meeting took place on April 12, 2011. Future bargaining sessions have been scheduled for April 28, May 5 and 12.

The UMDCSA – Dental Clinical Staff Association Collective Agreement expired on March 31, 2010 and the legislated freeze period on changes to terms and conditions of employment expired March 31, 2011. A first meeting was held on March 23, 2011 and a subsequent meeting is planned.

- **Information Systems and Technology**

**Recruitment** - The search for a Chief Information Officer is currently ongoing.

**Client Relationship Management** - Gabrielle Bartsch, formerly the Assistant Director of Bannatyne Campus IT, has been appointed to the newly created position of Assistant Director, Client Relationship Management. She will work with both academic and administrative units with respect to their IT requirements. The functions at the Bannatyne Campus will now report to the managers at Fort Garry.

- **Smartpark**

**Event Centre Programming** - The Event Centre has three floors. The first and second floors are meeting and assembly rooms. The first floor will be set up theatre style with audio/visual components located at the west side of the room. The second floor will be set up for workshops/group meetings, offering a more flexible space for meetings and functions. The third floor is the new location of the Campus Planning Office and has a large picture window facing Chancellor Matheson and measuring 10.5 m high x 4 m wide. Through the magic of technology, this window will be used as a media display featuring videos, announcements, and promotional imaging directed from/programmed by the Office of the Vice President (Administration). This will be done through rear projection imaging technology – a first for Winnipeg. The programming mandate including the development of the vision and mission for the Event Centre are being developed. We also need a new name for the Event Centre (just a working title up until this point) – any suggestions are very welcome!

**Tree Planting** - Manitoba Conservation through “Trees for Tomorrow” are preparing to complete planting of an additional 5,000 tree seedlings late this spring. The first 5,000 were planted last spring in the north half of Parcel B along Pembina Highway. These trees are a mix of cultivars and some white spruce.

- **University Centre**

**UMSU Pub Lease** - UMSU has signed a five year lease to manage and operate a new Community Pub in University Centre in the location of the former Wise Guys Bar. A Pub Advisory Committee has been set up to ensure that the community programming mandate is realized. The Committee will have representatives from UMSU, the University, Security Services, Risk Management and Student Affairs.

## EXTERNAL MATTERS

- Mark your calendars for Homecoming- September 14-18, 2011. Alumni staff have been working closely with MCG, the advertising agency who developed the new campaign for the university, to develop a new look and feel for Homecoming. It is intended to continue the theme that the MCG created for the Globe and Mail advertisements to the alumni audience.
- As of March 31, 2011, the university has raised \$22,508,518.00. The following is a breakdown of income and allocations.

### **2010/2011 Fundraising Achievements**

#### **Who Has Given:**

<b>Reporting Category</b>	<b>Total Gifts</b>
Alumni and Friends	\$12,501,616.42
Corporations	\$1,679,321.12
Foundations/Organizations	\$3,181,096.96
Staff	\$1,221,821.29
Manitoba Scholarship & Bursary Initiative	\$2,062,200.00
Students and Parents	\$1,862,462.21
	<b>\$22,508,518.00</b>

#### **Allocation:**

<b>Reporting Category</b>	<b>Total Gifts</b>
Capital Funds	\$724,375.34
Chairs/Professorships	\$2,814,688.27
Faculties/Schools/Colleges Support	\$6,355,982.58
Gifts in Kind	\$711,975.72
Libraries/Galleries/Museums	\$1,350,354.80
Research	\$307,005.04
Student Support	\$9,119,329.63
Unrestricted & Other Gifts	\$1,124,806.62
	<b>\$22,508,518.00</b>

- Planned Giving's official totals from April 1, 2010 to March 31, 2011 are as follows:

Current gifts:	\$5,879,440.50
Future gifts:	\$5,461,985.99
Total raised:	\$11,341,426.49 (against a goal of \$6,650,000 – 71% over goal)

Planned Giving has increased its pipeline of future planned gifts from \$45,821,023.00 in 2008, to \$55,925,167.15 at present. Planned Giving's goal is to grow the pipeline to \$61,000,000.00 by March 31, 2014.



- The Asper School of Business received a gift of \$100,000 from HSBC Bank Canada to create a permanently endowed entrance scholarship in the Asper School of Business. In addition, the Manitoba Medical College Foundation has given \$192,906.46 to the Dr. Christine Egan Memorial Scholarship.
- Public Affairs have been very active in Social Media and New Media in the last month, with several new initiatives. On our Facebook page, we partnered with the Department of Philosophy to launch the Facebook Philosopher, a video series that has a Philosophy faculty member answering ethical and moral quandaries posed by our online community. Speaking of Facebook, the Public Affairs-led University of Manitoba Facebook page had approximately 80,000 views of our posts in April, with 150 people providing feedback, i.e. Likes or Comments, to our page. For example, our Facebook Philosopher received 15 'Likes' and nine responses in the first day. The University's Twitter feed also now includes a Photo-of-the-Day initiative, which allows our 2,600 Twitter followers to get a glimpse of daily life on campus.
- A new communications officer responsible for the communications needs of the Office of the President (including the vice-presidents and senior administration) has been hired. Peter Dalla-Vicenza will join the Public Affairs team on Monday, May 16. Peter comes to the University of Manitoba after a long and successful career as a senior communications advisor and policy analyst for the Premier of Manitoba and as press secretary to a number of provincial ministers.
- Work continues to secure federal funding for specific projects on campus, including from Heritage Canada for Gallery and vault spaces in the ARTLab complex, WED for removal of equipment from the cyclotron space in the basement of the Allen Building to make room for a new Materials Institute and from INAC to support an Aboriginal Ph.D. program within the Faculty of Graduate studies.
- The new "Federal Champion" for the University, Ms. Andrea Lyon, ADM, Agriculture and Agri-Food Canada, visited the University to tour the facilities and meet with the President and with senior leadership throughout the University. Also this month the University was visited by Daniel Watson, Deputy Minister, Western Economic Diversification Canada and Marilyn Kapitany, Assistant Deputy Minister, Western Economic Diversification Manitoba Region. In a meeting with the President, the WED officials provided an overview of WED funding priorities and future program evolution.
- John Alho along with Dr. Brian Postl met with Manitoba Opposition party representatives, Myrna Driedger, MLA for Charleswood, Jon Lyon, Head of Staff, Manitoba PC Caucus and Jonathan Scarth, CEO, Progressive Conservative Party of Manitoba regarding Joint Operation – University of Manitoba and the Winnipeg Regional Health Authority.
- A meeting was held with Gord Mackintosh Minister of Housing and Consumer Affairs and Erin Selby, Minister of Advanced Education and Literacy to discuss university residence fees. The student's union would like to have residence fee increases be subject to the provincial Residential Tenancies Act (RTA). The University of Manitoba was represented at the meeting by Debbie McCallum, Alan Simms, Joe Danis and Terry Aseltine. The University is advocating that student residences are distinctly different from commercial properties and should therefore not be governed by RTA regulations. At the present time University of Manitoba residence fees are third lowest in the country and fee increases are governed by the Board of Governors. Minister Mackintosh advised at

the meeting that a working group of all parties including the University of Manitoba will be formed to discuss the issue and report back to the government with recommendations.

April 14, 2011

**To: President's Executive Team, Provosts Council, and Administrative Council**

**From: Mr. J. Alho and Mr. T. Aseltine**

**Re: Provincial Budget 2011**

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On Tuesday, April 12, 2011, Manitoba's Minister of Finance, Rosann Wowchuk, delivered *Budget 2011: Manitoba Moves Forward*. The budget made new commitments to increase support for post-secondary education and research.

In the lead up to the provincial budget, the University of Manitoba actively engaged in a series of pre-budget advocacy activities involving the President and other University leaders. Nearly 20 meetings were held and presentations made to some 35 provincial officials, including the Premier, Ministers, MLAs, members of the opposition and senior civil servants, as well as some community opinion influencers.

These activities focused on securing:

- Enhancement of the operating grant;
- Flexibility on tuition;
- Additional support for graduate students; and,
- Increases in research funding.

The main budget highlights of interest to the University are detailed below.

### **Operating Grant and Tuition**

In the budget speech, the Minister committed to a multi-year funding model which will see university operating grants increase by 5 % annually in each of the next three years. This brings greater predictability to budgeting and is double the one-time 2.5 % increase provided to universities in last year's budget. In addition, the government announced that it would allow tuition fees to increase at the rate of inflation over the next three years. It is expected that CPI will be used as the threshold index.

Overall, Budget 2011 allocates \$589,784,000 in support for universities and colleges, up 6.2% from last year. Among other things, this money goes towards;

- \$442,712,000 for university operating grants;
- \$500,000 for post-secondary strategic initiatives fund; and,
- \$9,881,000 for ACCESS programs.

The University indicated in its pre-budget consultations that a 6.1% operating grant increase, or the equivalent combination of grant increase and tuition increases, was required to sustain the 2010/2011 programming areas. Confirmation of the University's grant is expected before the end of the week.

## **Capital Grants**

The government's overall capital envelope for universities and colleges is down 14% from last year to \$11,571,000. At the time of writing, the capital grant allocation to the University of Manitoba was unclear.

## **Research and Innovation**

The Budget contains funding of \$22,761,000 in the areas of science, innovation, and business development - a 7.1% increase over last year's budget. Notably, the government acted on recommendations from the Innovation Council and Premier's Economic Advisory Committee to create a new five-year, \$30 million program to support business innovation and commercialization. Further details are expected to be announced in the coming days. The budget also included an 11.8% increase to the Manitoba Research and Innovation Fund, bringing that fund to \$13,300,000.

Other highlights include:

- Enhancements to the Research and Development tax credit.
- Unchanged are funding for the Manitoba Centres of Excellence Fund (\$720,000), the Manitoba Health Research Council (\$6,003,000), the Industrial Technology Centre (\$900,000) and the Manitoba Education, Research, and Learning Information Networks (\$396,000).
- Renewal of the provincial agreement with the International Institute for Sustainable Development to continue world-class climate change and wetlands research.
- Continued commitment to the Lake Winnipeg Action Plan to restore the health of the Lake and small marshes in the province.
- Implementation of an Electric Vehicle Strategy to assist the development of this technology.

## **Graduate Student Support, Student Aid and Awards**

The University advocated for increased funding to support graduate education. In response, an additional \$250,000 was added to the Manitoba Graduate Scholarships, making \$2,250,000 available this year.

The Budget allocates \$35,514,000 for Manitoba Student Aid, an increase of 4.5% over last year. Funding will be allocated to the following:

- Increasing the Manitoba Bursary Fund by \$3 million to \$14,260,000.
- Increasing Medical Student/Resident Financial Assistance by \$500K to \$4,221,000.
- Aboriginal Medical Student Scholarships are increased 33% to \$168,000.
- Funding for the Manitoba Scholarship and Bursary Initiative remains unchanged at \$4,875,000.
- Funding for Loans and Bursaries remains unchanged at \$2,731,000.
- Enhancing access to student loans by allowing students to apply online for student loans.
- Funding for Adult Learning and Literacy is increased by 2% to \$21,197,000.

## **Health Care**

The Finance Minister noted that since 1999, the province has seen a net gain of more than 400 doctors and 2,500 nurses. In order to support the number of trained medical practitioners in the province the budget commits to:

- Providing incentives to encourage medical students to work in under-served areas of the province after graduation.
- Providing permanent and stable annual funding for the Nurses Recruitment and Retention Fund.

### **Agriculture, Food and Rural Initiatives**

Manitoba Agriculture, Food and Rural Initiatives funding for academic and research programming remains unchanged at \$3,175,000 and allocated as such:

- grant of \$782,000 (unchanged over last year) to the Faculty of Agriculture and Food Sciences;
- \$350,000 to support Agri-Food Research and Development Initiative (ARDI); and,
- \$333,000 for Prairie Agricultural Machinery Institute (PAMI).

### **Other Information**

Budget documents and additional information are available through the Government of Manitoba website at: <http://www.gov.mb.ca/finance/budget11/index.html>

Please feel free to contact the Government and Community Engagement Office if you have any questions.

## **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**

Dean Brian Postl will be the Speaker for the Executive Committee for the May meeting of Senate.

#### **2. Appointments of Chair and Vice-Chair, Senate Committee on Admission Appeals**

Professor Phil Osborne's term as Vice-Chair of the Senate Committee on Admission Appeals will conclude on May 31, 2011. Senate Executive has appointed Professor David Mandzuk to the position of Chair of the Senate Committee on Admission Appeals for a term ending May 31, 2014.

Professor Mandzuk was serving as Vice-Chair of the Committee. Senate Executive has appointed Professor Brenda Hann to the position of Vice-Chair of the Senate Committee on Admission Appeals for a term ending May 31, 2014.

#### **3. Vacancies on the Senate Committee on Nominations**

The report of the University Secretary on the Senate Committee on Nominations is attached. Members of the Senate Committee of Nominations are nominated by the Senate Executive Committee and elected by Senate (See recommendation below).

#### **4. Comments of the Executive Committee of Senate**

Other comments of the Executive Committee accompany the report on which they are made.

### **Recommendation**

The Senate Executive Committee recommends that the following nominations to the Senate Committee on Nominations be approved by Senate for three-year terms ending May 31, 2014:

- a) Professor Pam Perkins (Re-appointment), representing Arts
- b) Professor Malcolm Smith (Re-appointment) representing Management & Extended Education
- c) Dr. Bob McIlwraith (Senator), representing Dentistry & Medicine

Respectfully submitted,

Dr. David Barnard, Chair  
Senate Executive Committee  
Terms of Reference:

[http://umanitoba.ca/admin/governance/governing\\_documents/governance/sen\\_committees/477.htm](http://umanitoba.ca/admin/governance/governing_documents/governance/sen_committees/477.htm)

### **Vacancies on the Senate Committee on Nominations**

At the July 1977 meeting of Senate, Senate approved without debate the following area representations for the Senate Committee on Nominations. The representation was amended in July 1991 to include the Libraries, and again in June 2005 to include the Clayton H. Riddell Faculty of Environment, Earth and Resources. The membership at May 4, 2011, is as follows:

1.	Agriculture & Human Ecology	Carla Taylor*	to	2012
2.	Architecture & Engineering	Jay Doering*	to	2013
3.	Arts	<del>Pam Perkins</del>	to	2011
4.	Science	Helen Cameron	to	2012
5.	Law, Pharmacy & Environment, Earth and Resources	Yuewen Gong*	to	2013
6.	Medicine & Dentistry	<del>Emily Etchevery</del> *	to	2011
7.	Education & Kinesiology and Recreation Management	Sandra Kouritzin*	to	2012
8.	Management & Extended Education	<del>Malcolm Smith</del>	to	2011
9.	Music, Fine Art & Libraries	Karen Jensen	to	2012
10.	Nursing, Social Work & Student Affairs	Marie Edwards*	to	2013
11.	Students (2)	Kaitlynn Porath	to	2012
		<del>Andrew McGregor</del>	to	2011

\* denotes member of Senate at time of appointment

The terms for Pam Perkins, Emily Etchevery, and Malcolm Smith, will end on May 31, 2011. Consequently, replacements are required for the following areas for the term June 1, 2011 to May 31, 2014.

1. Arts
2. Medicine and Dentistry
3. Management and Extended Education

The composition of the Committee on Nominations calls for ten members of the academic staff, the majority of whom are to be members of Senate. Since six of the academic members currently on the Committee are Senators, and one of the members' terms are ending, one of the replacements will have to be a member of Senate at the time of election to the Senate Committee on Nominations.

The term of Andrew McGregor will end on May 31, 2011. Consequently a student replacement is required for the term June 1, 2011 to May 31, 2012.

**Report of the Senate Committee on Instruction and Evaluation RE: Modifications to probation, suspension, and reinstatement regulations; and modifications to eligibility for the Dean's Honour List and graduating 'with distinction', Faculty of Education**

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**Preamble:**

1. The terms of reference for the Senate Committee on Instruction and Evaluation (SCIE) are found on the web at:  
[http://umanitoba.ca/admin/governance/governing\\_documents/governance/sen\\_committees/502.htm](http://umanitoba.ca/admin/governance/governing_documents/governance/sen_committees/502.htm)
2. The Committee met on the above date to consider a proposal from the Faculty of Education to modify academic regulations, Dean's Honour List and graduating 'with distinction' regulations for undergraduate programs in the faculty.

**Observations:**

1. The committee observed that the proposed modifications apply to all students in the After-Degree Bachelor of Education program, the Bachelor of Education/Bachelor of Music Integrated program and the IET Academic and Professional Bridging program.
2. The proposed modifications to the academic regulations come in response to earlier changes made to passing grades.
3. It is proposed that a student will be placed on *PROBATION* when the student has a DGPA below 2.50 but above 1.99. If the student has failing grade(s) he/she may be granted permission to repeat and/or replace the failed course(s). The student shall continue on probation until he/she has completed an additional 15 credit hours of required degree coursework. To clear probation, a student must raise his/her DGPA to 2.50 by the end of the probationary period.
4. It is proposed that a student who fails to clear probationary status shall be required to *WITHDRAW ON ACADEMIC GROUNDS (SUSPENSION)* for a period of two years and will be notified of such by registered mail.
5. It is proposed that a student who has been required to withdraw on academic grounds and wishes to re-enter the Faculty must provide a written request for reinstatement to the Associate Dean (Undergraduate Programs) with an explanation of how he/she will now be able to meet the academic requirements of the program. No applications for reinstatement will be considered before a minimum period of two years has lapsed from the effective date of the required withdrawal to the effective date of the requested reinstatement. If a student is reinstated after the time limit for program completion has expired, the Associate Dean (Undergraduate Programs) shall determine which courses previously completed, if any, shall be repeated or replaced.
6. It is proposed that any student admitted to the B. Ed. programs and who achieves a Term GPA of 3.9 on a minimum of 12 credit hours of required course work be included on the Dean's Honour List. Eligible students must be enrolled in either the After-Degree Bachelor of Education program or the Integrated Bachelor of Music/Bachelor of Education program.

Comments of the Senate Executive Committee:  
The Senate Executive Committee endorses the report to Senate.



7. It is proposed that graduating students in the After-Degree Bachelor of Education program or the Integrated Bachelor of Music/Bachelor of Education program with a Degree Grade Point Average (DGPA) of 4.2 or higher be eligible for a degree *"With Distinction"*.

### **Recommendations**

The Senate Committee on Instruction and Evaluation recommends:

**THAT Senate approve the proposal from the Faculty of Education regarding probation, suspension, and reinstatement regulations.**

**THAT Senate approve the proposal from the Faculty of Education regarding eligibility for 'Dean's Honour List'.**

**THAT Senate approve the proposal from the Faculty of Education regarding eligibility for degrees 'with distinction'.**

Respectfully submitted,

Dr. Karen Grant, Chair  
Senate Committee on Instruction and Evaluation

**Proposal from the Faculty of Education to amend the minimum adjusted GPA admission requirement for its B.Ed. programs (2011.03.17)**

**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](http://umanitoba.ca/admin/governance/governing_documents/governance/sen_committees/490.htm).
2. A proposal to increase the minimum grade point average (GPA) required for admission to the B.Ed. programs in the Faculty of Education from 2.0 to 2.5 was passed by the Committee on Initial Teacher Education and Preparation (CITEP) on February 14, 2011 and subsequently by the Faculty of Education Council on March 7, 2011.

**Observations:**

This change in policy will not only bring the GPA required for admission to the B.Ed. program in line with the GPA required for progression through the program but also with the GPA required by other professional faculties at the University of Manitoba such as the Faculty of Nursing and the Faculty of Social Work. The change in policy will also reflect the admissions policies of many other faculties of education across the country.

**Recommendation:**

The Senate Committee on Admissions recommends

**THAT Senate approve the proposal of the Faculty of Education to increase the minimum grade point average (GPA) required of all applicants to the Faculty of Education's B.Ed. programs from 2.0 to 2.5, effective for the September 2012 intake.**

Respectfully submitted,  
Susan Gottheil, Chair, Senate Committee on Admissions

Comments of the Senate Executive Committee:  
The Senate Executive Committee endorses the report to Senate.

## **REPORT OF THE SENATE COMMITTEE ON AWARDS – PART B**

Terms of reference for the Senate Committee on Awards include the following responsibility:

On behalf of Senate, to approve and inform Senate of all new offers and amended offers of awards that meet the published guidelines presented to Senate on November 3, 1999, and as thereafter amended by Senate. Where, in the opinion of the Committee, acceptance is recommended for new offers and amended offers which do not meet the published guidelines or which otherwise appear to be discriminatory under the policy on the *Non-Acceptance of Discriminatory Awards*, such offers shall be submitted to Senate for approval. (Senate, October 7, 2009)

### **Observation**

At its meeting of April 11, 2011, the Senate Committee on Awards reviewed six new offers that appear to be discriminatory according to the policy on the *Non-Acceptance of Discriminatory Awards*.

### **Recommendation**

The Senate Committee on Awards recommends that Senate and the Board of Governors approve six new offers, as set out in Appendix A of the *Report of the Senate Committee on Awards- Part B* (dated April 11, 2011).

Respectfully submitted,

Dr. Philip Hultin  
Chair, Senate Committee on Awards

Comments of the Senate Executive Committee:  
The Senate Executive Committee endorses the report to Senate.

## **Appendix A**

### **MEETING OF THE SENATE COMMITTEE ON AWARDS April 11, 2011**

#### **1. NEW OFFERS**

##### **Dr. Christine Egan Memorial Scholarship**

In memory of Dr. Christine Egan (Ph.D./99), who died tragically on September 11, 2001, her family, friends, and estate have established an endowment fund at the University of Manitoba. The purpose of the fund is to perpetuate her values of generosity and caring for others and her commitment to health and education in Nunavut. The purpose of the scholarship is to expand opportunities for the Inuit of Nunavut to study nursing by providing scholarship support to promising Nunavut nursing students. The available annual interest from the fund will be used to offer one or more scholarships to students who:

- (1) are Nunavut beneficiaries;
- (2) have completed at least one year of a Baccalaureate Nursing degree at a post-secondary institution in Canada;
- (3) have achieved a minimum degree grade point average of 2.5 (or equivalent) in their most recent year of full-time study;
- (4) are enrolled full-time in the second, third, or fourth year of a Baccalaureate Nursing degree at a post-secondary institution in Canada; or are nurses who are enrolled full-time in post-graduate study in Nursing or a related field at a post-secondary institution in Canada; and
- (5) have demonstrated that they are committed to a career in nursing in Nunavut.

Candidates must submit an application that includes: (a) a cover letter indicating why she or he would be a suitable recipient of this scholarship; (b) a completed application form; (c) a curriculum vitae; (d) an official copy of her or his current academic transcript(s); (e) confirmation of registration at a post-secondary institution in Canada; and (f) two confidential letters of reference from persons familiar with her or his academic and/or clinical work.

The selection committee will include the Program Coordinator of the Inuit Health Program in the J.A. Hildes Northern Medical Unit, Faculty of Medicine; the Head, Department of Community Health Sciences, Faculty of Medicine (or designate); the Dean of the Faculty of Nursing (or designate), and a family representative.

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.

(Attachments I and II)

##### **Merck Entrance Scholarship for Aboriginal Medical Students**

Merck has provided a one-time gift of \$40,000 to the University of Manitoba in 2011. One half (\$20,000) of the contribution will be used to offer the Merck Entrance Scholarship for Aboriginal Medical Students, and one half (\$20,000) will be used to offer the Merck Scholarship for Aboriginal Nursing Students. The purpose of the scholarships is to support top Aboriginal students who are pursuing careers in Nursing and Medicine and to allow the University to recruit

and retain these students. In the 2011/2012 academic session, four entrance scholarships valued at \$5,000 each, will be offered to undergraduate students who:

- (1) are of Aboriginal ancestry (First Nations, Métis, Inuit);
- (2) have been admitted to the first year of the Undergraduate Medical Education Program in the Faculty of Medicine;
- (3) have ranked high on the Admission Composite Score.

Eligibility requires submission of documentation (status card, Manitoba Métis Federation membership card or equivalent), or a letter of verification from their community as part of the application to the Aboriginal Applicant Pool.

The selection committee will be named by the Dean of the Faculty of Medicine (or designate).

(Attachment III and IV)

### **Merck Scholarship for Aboriginal Nursing Students**

Merck has provided a one-time gift of \$40,000 to the University of Manitoba in 2011. One half (\$20,000) of the contribution will be used to offer the Merck Scholarship for Aboriginal Nursing Students, and one half (\$20,000) will be used to offer the Merck Scholarship for Aboriginal Medicine Students. The purpose of the scholarships is to support top Aboriginal students who are pursuing careers in Nursing and Medicine and to allow the University to recruit and retain these students. In the 2011/2012 academic session, four scholarships valued at \$5,000 each, will be offered to undergraduate students who:

- (1) are Aboriginal (Status, Non-Status, Métis, Inuit);
- (2) are enrolled full-time or part-time in the Faculty of Nursing, in the third or fourth year of the Bachelor of Nursing program;
- (3) have achieved a minimum degree grade point average of 3.0.

Applicants must provide proof of Aboriginal membership including, for example, a Status or Métis card, or equivalent, or a letter of support from a community member outlining how the applicant is connected to the Aboriginal community.

The selection committee shall be the Student Promotions and Awards Committee of the Faculty of Nursing.

(Attachment V and VI)

### **Petro-Canada Scholarship and Bursary Fund**

Petro-Canada has established an endowment fund at the University of Manitoba, with a gift of \$205,700 in 2006. The fund will be used to provide scholarships and bursaries for students in the Engineering Access Program (ENGAP), to encourage Aboriginal students to pursue studies in Engineering. The fund will be used to offer the Petro-Canada Scholarship and the Petro-Canada Bursary.

#### **Petro-Canada Scholarship**

One half of the available annual interest from the Petro-Canada Scholarship and Bursary Fund will be used to offer the Petro-Canada Scholarship to one student who:

- (1) is enrolled full-time (minimum 24 credit hours) in the Faculty of Engineering, in any Bachelor of Science in Engineering degree, and is a member of the Engineering Access Program;
- (2) has completed at least 50 credit hours toward a Bachelor of Science in Engineering;
- (3) has achieved the highest degree grade point average, with a minimum degree grade point average of 3.5.

In the event of a tie, the scholarship will be offered to the student who has completed the greatest number of credit hours.

ENGAP upgrade courses will not be used in the calculation of either credit hours completed or degree grade point average.

The Petro-Canada Scholarship may not be held with the Petro-Canada Bursary or the ENGAP Awards.

The selection committee will be named by the Director, Engineering Access Program.

### **Petro-Canada Bursary**

One half of the available annual interest from the Petro-Canada Scholarship and Bursary Fund will be used to offer the Petro-Canada Bursary to one student who:

- (1) is enrolled full-time (minimum 18 credit hours) in the Faculty of Engineering, in any Bachelor of Science in Engineering degree, and is a member of the Engineering Access Program;
- (2) has achieved a minimum degree grade point average of 2.0;
- (3) has demonstrated financial need on the standard University of Manitoba bursary application form.

ENGAP upgrade courses will not be used in the calculation of either credit hours completed or degree grade point average.

The Petro-Canada Bursary may not be held with the Petro-Canada Scholarship or the ENGAP Awards.

The selection committee will be named by the Director, Engineering Access Program.

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.

(Attachments VII and VIII)

### **Tribal Councils Investment Group Scholarship**

The TCIG Charitable Foundation Inc. has established an endowment fund at the University of Manitoba, with an initial gift of \$20,000 in 2011. The Manitoba Scholarship and Bursary Initiative has made a contribution to the fund. The fund will be used to offer scholarships for students in the Aboriginal Business Education Partners (ABEP), in the I.H. Asper School of Business. The available annual interest from the fund will be used to offer one or more scholarships to undergraduate students who:

- (1) are members of the Aboriginal Business Education Partners;

- (2) have completed at least one year of full-time study (minimum 24 credit hours) at the University;
- (3) in the next ensuing year, are enrolled full-time (minimum 24 credit hours) in the I.H. Asper School of Business;
- (4) have achieved a minimum degree grade point average of 3.0.

The selection committee will have the discretion to determine the number and value of awards offered each year based on the available revenue.

The selection committee will be named by the Director, Aboriginal Business Education Partners.

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.

(Attachments IX and X)





## Dr. Christine Egan Memorial Scholarship

## Note on Exemption under the Policy on Non-acceptance of Discriminatory Awards

Proposing that the Dr. Christine Egan Memorial Scholarship be offered specifically to Nunavut beneficiaries raises the question of granting an exception as permitted under the University's policy on "Non-acceptance of Discriminatory Awards." [http://umanitoba.ca/admin/governance/governing\\_documents/academic/370.htm](http://umanitoba.ca/admin/governance/governing_documents/academic/370.htm)

It is the intent of this provision in the draft Terms of Reference to allow this endowment to address socioeconomic and health disadvantage, exacerbated by the barrier of geographic remoteness from post-secondary education, faced by Inuit in Nunavut by providing scholarship funding for higher education in nursing. The focus on Nunavut (comparable to designating Canada or Manitoba) is appropriate for this scholarship as Christine Egan worked as a nurse in Nunavut (including areas of the then-NWT that subsequently became Nunavut) for many years, including a period serving as Program Director of Research and Education for the Kivalliq Regional Health Board just before and after her graduation from the University of Manitoba. The term "Nunavut beneficiary" designates Inuit who are eligible under the terms of Nunavut Land Claims Agreement (NLCA) for benefits under that agreement. It is standard and legal language used in Nunavut, and it is the intention here to respect this language and usage.

Data regarding the representation of Inuit or of Nunavut beneficiaries in higher education in Nursing is limited, but the committee may wish to note the following:

According to Institutional Analysis at the University of Manitoba, there was a total of eight Inuit students registered in the fall of 2009 and nine in the fall of 2010. <http://umanitoba.ca/admin/oia/publications/2806.htm> The University does not have specific figures for Inuit students in Nursing.

A wider study examining nursing education and measures to address disadvantage for aboriginal students in 2009 included Inuit but did not provide quantitative data specifically for Inuit nurses or nursing students. [http://www.cna-nurses.ca/CNA/documents/pdf/publications/Review\\_of\\_Literature\\_e.pdf](http://www.cna-nurses.ca/CNA/documents/pdf/publications/Review_of_Literature_e.pdf)

A 2009 report on nursing education in Nunavut refers to the four-year baccalaureate program at Nunavut Arctic College in Iqaluit that began in 2002. By 2008, there were eighteen registered nurses who had graduated from this program, of whom seven were Inuit. [http://www.tunngavik.com/wp-content/uploads/2010/03/2010-02-nti-recruitment-retention-inuit-nurses-report\\_english.pdf](http://www.tunngavik.com/wp-content/uploads/2010/03/2010-02-nti-recruitment-retention-inuit-nurses-report_english.pdf) In the 2006 Census, 83.6% of the population of Nunavut identified themselves as Inuit.



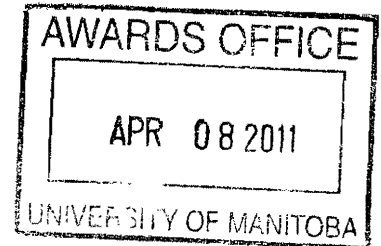
UNIVERSITY  
OF MANITOBA

## Faculty of Medicine

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260 Brodie Center  
727 McDermot Avenue  
Winnipeg, Manitoba  
Canada R3E 3P5  
Telephone (204) 789-3557  
Fax (204) 789-3928

April 5, 2011

Dr. Phil Hultin, Chair  
Senate Committee  
c/o Shannon Coyston, Awards Establishment Coordinator  
Financial Aid and Awards Office  
422 University Centre  
Winnipeg, Manitoba  
R3T 2N2



Dear Dr. Hultin and Members of the Senate Committee on Awards:

**RE: Merck Entrance Scholarship for Aboriginal Medical Students**

The Faculty of Medicine at the University of Manitoba is committed to growth in Aboriginal education. Consistent with this priority, I am writing in support of the Merck Entrance Scholarship for Aboriginal Medical Students.

The Aboriginal population in Manitoba makes up 11.7% (approximately 150,045) of the total population of Manitoba. According to the Senate-approved General Terms and Conditions for Student Awards at the University of Manitoba, we can allow and encourage the establishment of discriminatory awards for designated groups such as Aboriginal students as long as the proportion of Aboriginal students to the total student population falls below 80 percent of the proportion of Aboriginal people within the total provincial population. Eighty percent of 11.7% is 9.36%, and the population of Aboriginal students on campus is still a long way from 9.36% of the total student population.

In 2010-2011, the student population in the Undergraduate Medical Education (UGME) Program at the Faculty of Medicine was 430. At 9.36% of this total student population, we would hope to have a population of at least 41 Aboriginal students. The actual number of self-declared Aboriginal students was 25, or 5.8% of the undergraduate population. First-year admission numbers are below:

	2010	2009	2008	2007	2006	2005
# of students admitted to first year UGME	110	110	110	100	101	94
Aboriginal students admitted to first year UGME program	7	6	6	6	3	2
Aboriginal student population in the first year UGME program by %	6.0	5.5	5.5	6.0	3.0	2.1

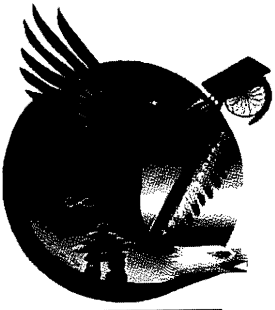
Dr. Phil Hultin, Chair  
April 5, 2011  
Page Two

Clearly, Aboriginal students are a highly under-represented group within the Undergraduate Medical Education Program at the Faculty of Medicine. Merck Entrance Scholarship for Aboriginal Medical Students will provide support to Aboriginal students enrolled in the first year of the Undergraduate Medical Education Program, who are also in the top ranking ten percent of Aboriginal applicants. I strongly support the establishment of the Merck Entrance Scholarship for Aboriginal Medical Students.

Yours truly,

A handwritten signature in black ink, appearing to read "B Postl". The signature is fluid and cursive, with the first letter "B" being large and prominent.

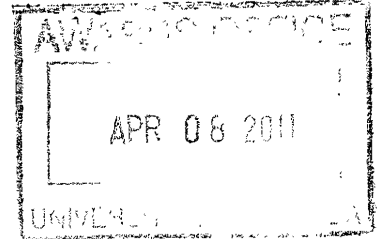
Brian Postl, MD  
Dean



## ABORIGINAL STUDENT CENTRE

April 7, 2011

Dr. Phil Hultin  
Chair of the Senate Committee on Awards  
C/o Ms. Shannon Coyston  
Awards Establishment Coordinator  
422 University Centre



Dear Dr. Hultin & Senate Committee:

Please accept this letter as formal support for the Merck Entrance Scholarship for Aboriginal Medical Students.

As the Director of the Aboriginal Student Centre, I can verify that financial strain is the leading cause for Aboriginal students leaving school before graduation. It is common knowledge that many Aboriginal peoples live in poverty and whereas a university education can help rectify this, most cannot afford to do so and few have the privilege of obtaining financial support from their families. Bursaries and scholarships are a major component of a successful retention plan.

The number of Aboriginal students attending the University of Manitoba continues to increase and, I believe, is partially due to the financial assistance made available through external business, programs or faculties. The Merck Entrance Scholarship for Aboriginal Medical Students will be offered to an Aboriginal student admitted to the first year of the Faculty of Medicine

As of November, 2010 there were 1912 self declared Aboriginal students attending the University of Manitoba with 26 in the Faculty of Medicine, or 1.4% (Office of Institutional Analysis, 2010).

I trust that the Senate committee will approve this scholarship and others like it, in the hopes of increasing the recruitment and retention of Aboriginal students, especially in the under-represented faculties such as Medicine.

In education, miigwetch!

Kali Storm, Director  
Aboriginal Student Centre

Aboriginal Student Centre  
45 Curry Place  
University of Manitoba  
Winnipeg, MB R3T 2N2

Phone: 204-474-8850  
Fax: 204-275-3142  
E-mail: asc@umanitoba.ca

### STUDENT AFFAIRS

creating opportunities for student success



UNIVERSITY  
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UNIVERSITY  
OF MANITOBA

Faculty of Nursing

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Helen Glass Centre for Nursing  
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Fax (204) 474-7500  
dauna\_crooks@umanitoba.ca

January 13, 2011

Dr. David Hultin, Chair  
Senate Committee on Awards

We have been given the opportunity of four \$5000 awards for Aboriginal students in the BN program from Merck. The one time offering of the Merck Award is considered a discriminatory award, because the pool of candidates is limited to Aboriginal students. Conditions for the Award are as follows:

### **Merck Scholarship for Aboriginal Nursing Students**

Merck has provided a one-time gift of \$40,000 to the University of Manitoba in 2011. One half (\$20,000) of the contribution will be used to offer the Merck Scholarship for Aboriginal Nursing Students, and one half (\$20,000) will be used to offer the Merck Scholarship for Aboriginal Medicine Students. The purpose of the scholarships is to support top Aboriginal students who are pursuing careers in Nursing and Medicine and to allow the University to recruit and retain these students. In the 2011/2012 academic session, four scholarships valued at \$5,000 each, will be offered to undergraduate students who: are Aboriginal (Status, Non-Status, Métis, Inuit); and enrolled full-time in the Faculty of Nursing, in the third year of the Bachelor of Nursing program; and have achieved a minimum degree grade point average of 3.5. The selection committee shall be the Student Promotions & Awards Committee of the Faculty of Nursing.

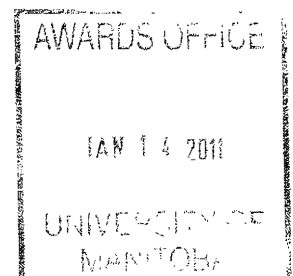
Given the policy on non-acceptance of discriminatory awards ([http://umanitoba.ca/admin/governance/governing\\_documents/academic/370.htm](http://umanitoba.ca/admin/governance/governing_documents/academic/370.htm)), I am writing for permission to offer the Awards. Institutional Analysis indicates that in 2010, 4.7% of our student population has declared Aboriginal status. In 2009 we had 6.9%; 2008, 6.9%; 2007, 6.3%; 2006, 6.7%. Compared to provincial statistics our student population is under represented in the Aboriginal category. Our numbers though, exceed those of most professional programs.

These awards will be a major factor in retention of students as many suffer economic hardship and have multiple personal responsibilities. We plan to make the award available to upper level students in year 3, a year that is seen by our students as the most demanding year of the program.

I look forward to your reply.

Sincerely,

Dauna Crooks, RN, DNSc  
Dean

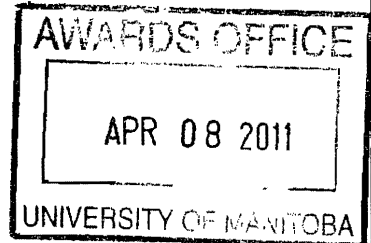




## ABORIGINAL STUDENT CENTRE

April 7, 2011

Dr. Phil Hultin  
Chair of the Senate Committee on Awards  
C/o Ms. Shannon Coyston  
Awards Establishment Coordinator  
422 University Centre



Dear Dr. Hultin & Senate Committee:

Please accept this letter as formal support for the Merck Scholarship for Aboriginal Nursing Students designed to assist 3<sup>rd</sup> or 4<sup>th</sup> year Aboriginal students studying in the Faculty of Nursing.

As the Director of the Aboriginal Student Centre, I can verify that financial strain is the leading cause for Aboriginal students leaving school before graduation. It is common knowledge that many Aboriginal peoples live in poverty and whereas a university education can help rectify this, most cannot afford to do so and few have the privilege of obtaining financial support from their families. Bursaries and scholarships are a major component of a successful retention plan.

The number of Aboriginal students attending the University of Manitoba continues to increase and, I believe, is partially due to the financial assistance made available through business, programs or faculties. The Merck Scholarship for Aboriginal Nursing Students will be offered to 3<sup>rd</sup> or 4<sup>th</sup> year Aboriginal students in the Faculty of Nursing.

As of November, 2010 there were 1912 self declared Aboriginal students attending the University of Manitoba and 89 in the Faculty of Nursing, or 4.7% (Office of Institutional Analysis, 2010).

I trust that the Senate committee will approve this scholarship and others like it, in the hopes of increasing the recruitment and retention of Aboriginal students, especially in the under-represented faculties such as Nursing.

In education, miigwetch!

Kali Storm, Director  
Aboriginal Student Centre

Aboriginal Student Centre  
45 Curry Place  
University of Manitoba  
Winnipeg, MB R3T 2N2

Phone: 204-474-8850  
Fax: 204-275-3142  
E-mail: asc@umanitoba.ca

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## Engineering Access Program



Room E2-442 Engineering Building  
Winnipeg, Manitoba R3T 5V6  
Tel: (204) 474-9872  
1-800-432-1960, ext. 9872  
Fax: (204) 474-7518

**Program Supported by:**

Council on Post-Secondary  
Education

Faculty of Engineering

IBM Canada

Inco Limited

Petro Canada

**Scholarships/Bursary  
Funding Provided by:**

Association of Professional  
Engineers & Geoscientists  
of Manitoba

Engineering Endowment  
Fund

Manitoba Hydro

Manitoba Aerospace Human  
Resources Coordinating  
Committee:

- Air Canada
- Standard Aero
- Magellan Aerospace  
Corp / Bristol  
Aerospace Limited
- Boeing Canada  
Technology

Acres Manitoba Limited

Nexen Inc.

March 15, 2011

Senate Committee on Awards

Attention: Phil Hultin, Chair

Re: Petro-Canada Scholarship and Bursary

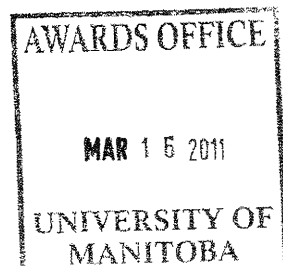
Dear Mr. Hultin:

The Engineering Access Program in the Faculty of Engineering is committed to assisting Aboriginal students in obtaining an Engineering Degree. Consistent with this is the recruiting and retention of Aboriginal students into the Faculty. One of the ways this can be accomplished is by providing scholarships and bursaries to deserving students, therefore, I fully support the creation of the Petro-Canada Scholarship and Bursary Fund.

As per the most recent statistical information garnered from the 2006 census, Aboriginal people comprise approximately 15% of the Manitoba population. Comparatively, over the last number of years, according to the Office of Institutional Analysis, the Faculty of Engineering had the following ratio of Aboriginal to total student population:

Fall 2003, 59 or 4.2% of the Engineering population  
Fall 2004, 58 or 3.6% of the Engineering population  
Fall 2005, 42 or 2.6% of the Engineering population  
Fall 2006, 53 or 3.4% of the Engineering population  
Fall 2007, 63 or 3.8% of the Engineering population  
Fall 2008, 62 or 3.5% of the Engineering population  
Fall 2009, 64 or 3.4% of the Engineering population

Clearly, Aboriginal students are presently and have been in the past under-represented relative to the proportion of Aboriginal people in Manitoba.



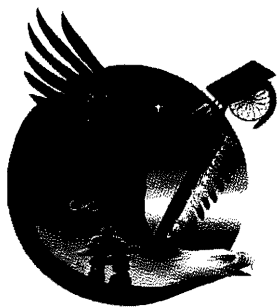
The Petro-Canada Scholarship and Bursary will provide some much needed financial support to Aboriginal students enrolled full-time in the Faculty of Engineering. Given the University of Manitoba's commitment to Aboriginal education and given that they are under-represented in the Faculty, I strongly support the offering of this award.

Regards

A handwritten signature in black ink, appearing to read 'Randy Herrmann', with a stylized flourish extending to the right.

Randy Herrmann, P.Eng.  
Director





## ABORIGINAL STUDENT CENTRE

March 15, 2011

Dr. Phil Hultin  
Chair of the Senate Committee on Awards  
C/o Ms. Shannon Coyston  
Awards Establishment Coordinator  
422 University Centre

Dear Dr. Hultin & Senate Committee:

Please accept this letter as formal support for the Petro-Canada Scholarship and Bursary Fund for ENGAP students.


As the Director of the Aboriginal Student Centre I can verify that financial strain is the leading cause for Aboriginal students leaving school before graduation. It is common knowledge that many Aboriginal peoples live in poverty and whereas a university education can help rectify this, most cannot afford to do so and few have the privilege of obtaining financial support from their families. Bursaries and scholarships are a major component of a successful retention plan.

The number of Aboriginal students attending the University of Manitoba continues to increase and I believe this is partially due to the financial assistance made available through programs and faculties or external companies. The Petro-Canada Scholarship and Bursary Fund for ENGAP students is an example of a company wanting to assist with the financial difficulties faced by many students. The proposed scholarship and bursary are designed to assist Aboriginal students studying in the Faculty of Engineering through the Engineering Access program and for this I extend my full support.

As of November, 2010 there are 1912 self declared Aboriginal students attending the University of Manitoba and 72 in the Faculty of Engineering, or 3.8% (Office of Institutional Analysis, 2010).

I trust that the Senate committee will approve the proposal for the Petro-Canada Scholarship and Bursary Fund in order to assist with the retention efforts of the Engineering Access Program (ENGAP) for Aboriginal students.

In education, miigwetch

  
Kali Storm, Director  
Aboriginal Student Centre

AWARDS OFFICE

MAR 18 2011

UNIVERSITY OF  
MANITOBA

Aboriginal Student Centre  
45 Curry Place  
University of Manitoba  
Winnipeg, MB R3T 2N2

Phone: 204-474-8850  
Fax: 204-275-3142  
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Asper School of Business

Charles Mossman, PhD, FCGA, CFA  
Acting Dean  
314 Drake Centre  
181 Freedman Crescent  
Winnipeg MB R3T 5V4  
Canada  
T: 204-474-9985  
F: 204-474-7928  
E: charles\_mossman@umanitoba.ca

## MEMORANDUM

DATE: March 30, 2011

TO: Dr. Phil Hultin, Chair, Senate Committee on Awards

FROM: Dr. Charles Mossman, Acting Dean 

SUBJECT: TRIBAL COUNCILS INVESTMENT GROUP SCHOLARSHIP

The Asper School of Business is committed to growth in Aboriginal Business Education. During 2010-2011, a total of 62 aboriginal students are studying in the Asper School of Business, only 3.2% of our total student population.<sup>1</sup> Over the past five years, the percentage of students enrolled in the Asper School of Business relative to the total number of students enrolled averaged 2.8%.<sup>1</sup> As aboriginal peoples represent 15.5% of Manitoba's population,<sup>2</sup> aboriginal students are under-represented at the Asper School of Business in comparison to the general population.

The Tribal Councils Investment Group Scholarship provides meaningful support to aboriginal students enrolled in the Bachelor of Commerce (Honours) program in the Asper School of Business. Given the Asper School's commitment to growth in Aboriginal Business Education, and given the under-representation of aboriginal students in the School, I strongly support the establishment of this scholarship.

<sup>1</sup>Office of Institutional Analysis, University of Manitoba

<sup>2</sup>2006 Census, Statistics Canada





## ABORIGINAL STUDENT CENTRE

March 15, 2011

Dr. Phil Hultin  
Chair of the Senate Committee on Awards  
C/o Ms. Shannon Coyston  
Awards Establishment Coordinator  
422 University Centre

Dear Dr. Hultin & Senate Committee:

Please accept this letter as formal support for the Tribal Councils Investment Group Scholarship for students in the Aboriginal Business Education Partners (ABEP) program.

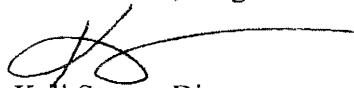
As the Director of the Aboriginal Student Centre I can verify that financial strain is the leading cause for Aboriginal students leaving school before graduation. It is common knowledge that many Aboriginal peoples live in poverty and whereas a university education can help rectify this, most cannot afford to do so and few have the privilege of obtaining financial support from their families. Bursaries and scholarships are a major component of a successful retention plan.

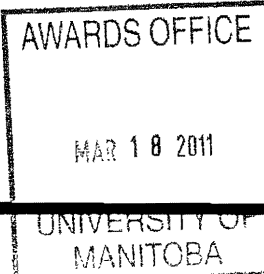
The number of Aboriginal students attending the University of Manitoba continues to increase and I believe this is partially due to the financial assistance made available through programs and faculties or external companies. The Tribal Councils Investment Group Scholarship for ABEP students is an example of a company wanting to assist with the financial difficulties faced by many students. The proposed scholarship is designed to assist Aboriginal students studying in the I.H. Asper School of Business through the Aboriginal Business Education Partners (ABEP) program and for this I extend my full support.

As of November, 2010 there are 1912 self declared Aboriginal students attending the University of Manitoba and 62 self declared Aboriginal students in the I.H. Asper School of Business, or 3.2% (Office of Institutional Analysis, 2010).

I trust that the Senate committee will approve the proposal for the Tribal Councils Investment Group Scholarship for students in the Aboriginal Business Education Partners (ABEP) program and assist with the retention efforts of the Faculty and program.

In education, miigwetch

  
Kali Storm, Director  
Aboriginal Student Centre



Aboriginal Student Centre  
45 Curry Place  
University of Manitoba  
Winnipeg, MB R3T 2N2

Phone: 204-474-8850  
Fax: 204-275-3142  
E-mail: asc@umanitoba.ca

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UNIVERSITY  
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UNIVERSITY  
OF MANITOBA

Office of the  
Vice-President (Academic) & Provost

208 Administration Building  
Winnipeg, Manitoba  
Canada R3T 2N2  
Telephone (204) 480-1408  
Fax (204) 275-1160

March 28, 2010

Mr. Sid Rogers  
Secretary  
Council on Post-Secondary Education  
608 - 330 Portage Avenue  
Winnipeg, MB R3C 0C4

Dear Mr. Rogers,

**Statement of Intent: Juris Doctor (J.D.)**

On behalf of the University of Manitoba I am pleased to submit the attached Statement of Intent to change the name of the degree in law currently offered by the University of Manitoba from 'Bachelor of Laws' to 'Juris Doctor'. As well, please find attached a copy of correspondence from the Acting Dean of Law, to the University Secretary, which provides additional information.

In proposing this change the Faculty of Law is following a trend across Canada to use the J.D. designation in line with the trend for the North American continent rather than in line with the historical British roots of the LL.B. The proposed change does not result in any changes to the current program of studies which remains a three year, full time (97 credits) program of study. Admissions criteria will remain the same, as will enrolment, total program costs and labour market prospects for graduates of the program.

My colleagues and I would be pleased to provide any additional information your Council may require during its consideration of this Statement of Intent.

Sincerely,

David M. Collins, Ph.D.  
**Vice-Provost (Academic Planning & Programs)**

Comments of the Senate Executive Committee:  
The Senate Executive Committee endorses the report to Senate.

Encl.

cc David Barnard, President and Vice-Chancellor  
Joanne Keselman, Vice-President (Academic) and Provost  
✓ Lorna Turnbull, Acting Dean, Faculty of Law  
Jeff Leclerc, University Secretary

Council On Post-Secondary Education  
**STATEMENT OF INTENT**

**Institution**

<input checked="" type="checkbox"/> <b>Brandon University</b> <b>University of Manitoba</b> University of Winnipeg Collège universitaire de Saint-Boniface	Assiniboine Community College University College of the North Red River College
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**Program Overview**

Program Name: **Bachelor of Laws (LL.B.)**

Credential to be offered: **Juris Doctor (J.D.)**

Does the program require accreditation from a licencing group? YES **NO, not presently.**  
If yes, name group: *The Law Society of Manitoba will begin an "accreditation program" in 2013.*

Length of the program: *3 Years (6 Semesters)*

Proposed program start date: *Name change to be effective May 1, 2011*

Which department(s) within the institution will have responsibility for the program? *Faculty of Law*

As compared to other programs your institution will be proposing, is the priority of this program:

☒ **High**  
Medium  
Low

Is this a new program? YES **NO**

Is this a revision of an existing program: **YES, the proposal is to change the name of the degree granted after completion of the program, but no other aspects of the program will change.**

Will the program be available to part-time students? YES **NO**

Will this program have a cooperative education component? YES **NO**

Will the program contain an option to assess the prior learning of students, to grant credit for the skills/knowledge already present? YES **NO**

Will there be distance delivery options? YES **NO**

Will this program be delivered jointly with another institution? YES **NO**

Are similar programs offered in Manitoba or other jurisdictions? **YES** *There are law schools in every province across the country although this is the only one in Manitoba, and it provides legal education to those who will serve as lawyers and other members of the profession in this province. Most other Canadian law schools have already effected the proposed name change. See attached documents.*

What articulation, block transfer or credit transfer arrangements will you be looking at developing for this program? *n/a*

## **Specific Program Information**

### **1. Program Description**

Describe the program and its objectives: *The Faculty of Law at the University of Manitoba proposes to change the name of the degree granted by the Faculty to Juris Doctor (the JD) from the currently granted degree of Bachelor of Laws (the LL.B.). In proposing this change, the faculty is following a trend across Canada to use the JD designation in line with the trend for the North American continent rather than in line with the historical British roots of the LL.B. The Faculty has surveyed its Alumni (who also represent the profession) and students to ascertain a sufficient level of support. This is documented in the request to the University Senate that is included with this form.*

*The proposed change does not result in any changes to the current program of studies which remains a three year, full time (97 credits) program of study. Admissions criteria will remain the same, as will enrolment, total program costs and labour market prospects for graduates of the program. Our third year students are keen to be able to earn the JD degree at their graduation in June of 2011, and so this is a matter of high priority for our Faculty. In keeping with the responsibility of Council to safeguard the integrity of post-secondary education in Manitoba under the Degree Granting Act, we seek your approval of this change so that it may subsequently be approved by the Senate of the University of Manitoba.*

Provide an overview of the content to be taught in this program: *There will be no change in the content of the program as it is currently offered.*

### **2. Enrollment**

What is the program's initial projected enrollment? *Same as previously*

What is the projected enrollment for the 2nd and 3rd years? *Same as previously*

Describe the expected student profile? *Same as previously*

### **3. Labour Market Information**

What labour market need is the program expected to meet? *Same as previously*

Are there currently jobs in Manitoba in this field? **YES NO**

If yes, where (geographic location and industry)? *There are needs for legal professionals throughout the province, especially in rural and smaller communities.*

What is the future job forecast for individuals with this education/training/credential? *Excellent*

How does this program fit with Manitoba's stated economic, social and other priorities? *Same as previously*

What agencies, groups, institutions will be consulted regarding development of the program? *Alumni, students, University administrators, other law schools, members of the profession and the Law Society of Manitoba have all been consulted already and are supportive of the proposed change in name.*

Is there any other information relevant to this program? *Please see attached request to the University Senate for background to the proposed change. I would be more than happy to answer any questions you may have with regard to this proposal and look forward to a response at your earliest convenience.*

#### 4. Financial Information

*No changes to the program will have any impact on the program costs or revenue.*

Projected Program Costs: Salary  
Operating  
Capital  
**Total cost**

Projected Program Revenue: Tuition  
Other\_  
**Total revenue**

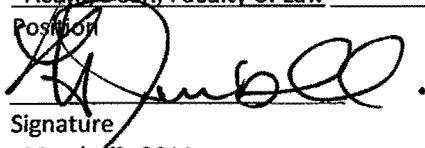
**Submitted by:**

Dr. Lorna A. Turnbull

Name (print)

Acting Dean, Faculty of Law

Position

  
Signature

March 28, 2011

Date



Faculty of Law  
Robson Hall  
Winnipeg, Manitoba  
Canada, R3T 2N2  
Fax (204) 474-7580

September 16, 2010

Mr Jeff Leclerc  
University Secretary  
312 Admin Building  
University of Manitoba  
Winnipeg, Manitoba  
R3T 2N2

Dear Mr Leclerc,

The purpose of this document is to ask the Senate Committee on Curriculum Changes approve a change to the name of degree in law currently offered by the University of Manitoba from “Bachelor of Laws” to “Juris Doctor”. Such a change would be one of nomenclature only, and would have no impact on the academic program leading to the degree, or its governance.

Our research has shown that the majority of Canadian common-law law schools either: (i) have introduced or (ii) are in the process of introducing a change to the name of the initial law degree from a “Bachelor of Laws” to a “Juris Doctor”. The Faculty of Law attributes this change to several factors. The first is that the market for legal talent, as it is for most professionals, is now global. Students are looking for credentials that are easily portable from jurisdiction to jurisdiction. The degree of “Juris Doctor” has its origins in the United States. The U.S. is both one of the largest markets in the world, and one of the closest to Canada both geographically and culturally. Therefore, to the extent that graduates look for non-Canadian opportunities, they are likely to look at the U.S. Given that American employers are accustomed to seeing a “Juris Doctor” designation, as opposed to a “Bachelor of Laws” designation, a change in the nomenclature will open doors for those who choose the U.S. as a possible professional destination, easing the access to the U.S. market.

The change may also help to clarify the position of the initial law degree in the university hierarchy. The “Bachelor of Laws” designation finds its origins in the United Kingdom, where law is a direct-entry from secondary school program. In North America, this is not the case. While a few applicants are admitted to law school with as little as two years of



undergraduate study, the fact remains that due to the competitive nature of the law admissions process, the majority of law school registrants have a degree prior to admission. A change to a “Juris Doctor” designation would differentiate the initial law degree from other undergraduate programs, and establish the professional nature of the program in its nomenclature, as well as its content and orientation. Some of our graduates have had practical difficulties due the fact that the initial law degree is a second bachelor’s degree. Alumni have described arguments over a previous policy of the Government of Manitoba to not support a “second bachelor’s degree” through its student loan program. While the immediate problem may have been resolved, a change in nomenclature may help to avoid similar problems with other funding agencies.

In addition, the proposed change in nomenclature has garnered significant support. My predecessor held informal discussions of the matter throughout his tenure. When Faculty Council met on June 22, 2010, I raised the issue more formally, in an effort to give members of Council a significant opportunity to: (i) consider the issue, (ii) discuss the issue amongst themselves and with others if appropriate; and (iii) formulate arguments either for or against any proposed change, in an effort to arrive at a consensus. I also advised of the level of student support and of the intention to survey all alumni before bringing a formal motion in September. At a meeting of Faculty Council held on September 2, 2010, such a consensus was evident. When the issue was put to a vote, no member of Council voted against the proposed change. There was significant support for the change. All members of Council who spoke with respect to the motion were in favour of the change.

In terms of current students, there have been two votes. In 2009, the majority of students who expressed an opinion on the issue during the student election process were in favour of the change. However, a significant portion of student population did not express an opinion. Therefore, the Manitoba Law Students’ Association decided to hold another vote to clearly identify the preference of students. In 2010, there was no ambiguity at all. Nearly three quarters of the student body voted in the referendum, which resulted in a majority of over 70 per cent in favour of the change to “Juris Doctor”.

Finally, our alumni have been equally supportive of the change. As part of the Faculty’s consideration of this issue, I sent a questionnaire to over 3,000 alumni. After explaining the background to this issue, I asked the following questions:


1. “Are you in favour of Robson Hall, Faculty of Law changing the designation of the law degree from LL.B. [Bachelor of Laws] to JD [Juris Doctor]?”
2. Why or why not?”

Seventy three per cent of the alumni who responded were in favour of the change. Interestingly, the percentage in favour was essentially the same regardless of whether the graduate was part of a class prior to 1980 (whose views were solicited by paper mail) or 1980 and following (whose views were solicited by electronic mail).

In the end, alumni, current students and the faculty of Robson Hall have all expressed a desire to change the nomenclature of the initial degree in law currently offered by the University of Manitoba. Therefore, on behalf of the Faculty of Law, I ask that the Senate Committee on Curriculum Changes approve a change to the name of degree in law currently offered by the University of Manitoba from “Bachelor of Laws” to “Juris Doctor”. Such a change would be one of nomenclature only, and would have no impact on the academic program leading to the degree, or its governance. Students currently in the program at the time of the change should be given the option as to which name they wish to have on their respective degrees. All students entering the program after the change will receive a “Juris Doctor”. Alumni would be given the opportunity to change their degree from a “Bachelor of Laws” to a “Juris Doctor” (on payment of a reasonable fee, and I have already had discussions with the registrar’s Office about the practical impacts of such an option as 64 percent of alumni who responded indicated that they would request a new “Juris Doctor” parchment).

In conclusion, the proposed change from a “Bachelor of Laws” to a “Juris Doctor” would bring it into line not only with other Canadian common-law law schools, but only with its American counterparts. The change would also be representative of the views of past and current students, as well as current members of the Faculty. Therefore, such a change has received the approval of all stakeholders at the Faculty level. We ask for support from the University as a whole, through its Senate.

All of which is respectfully submitted,

A handwritten signature in black ink, appearing to read 'L. A. Turnbull', with a large, stylized flourish at the end.

Dr. Lorna A. Turnbull  
Associate Professor and Acting Dean