

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

### **I ELECTION OF SENATE REPRESENTATIVES**

1. **To the Senate Executive Committee** Page 4

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

1. **Report of the Senate Committee on Admissions** Page 5  
**RE: Correction to Report of June 15, 2020**
2. **Reports of the Faculty of Graduate Studies Executive**  
**Committee on Course and Curriculum Changes**
- a) **RE: Department of Native Studies** Page 6
- b) **RE: Université de Saint-Boniface, M. en Ed.** Page 8

### **III MATTERS FORWARDED FOR INFORMATION**

1. **Report of the Senate Committee on Awards** Page 11  
**[November 12, 2020]**
2. **In Memoriam: Paul Bernard Wiens** Page 19
3. **Correspondence from Provost and Vice-President (Academic)** Page 20  
**RE: Implementation of Master of Supply Chain Management**  
**and Logistics**

### **IV REPORT OF THE PRESIDENT**

### **V QUESTION PERIOD**

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

### **VI CONSIDERATION OF THE MINUTES** **OF THE MEETING OF DECEMBER 2, 2020**

### **VII BUSINESS ARISING FROM THE MINUTES** - none

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

- 1. Report of the Senate Executive Committee** Page 22

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

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

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

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

- 1. Graduate Course Changes Beyond Nine Credit Hours**  
**RE: Faculty of Law**

- a) **Report of the Faculty Council of the Faculty of Graduate Studies on Course, Curriculum and Regulation Changes**

- b) Report of the Senate Planning and Priorities Committee Page 28

- 2. Report of the Senate Committee on Instruction and Evaluation RE: Modification of Progression Regulations, Faculty of Science**

- ### 3. Reports of the Senate Committee on University Research

- a) RE: Proposal to Establish the Manitoba Crop Protection Chair in Weed Management** Page 49

- b) RE: Proposal to Establish the Earth Materials and Archaeometry Centre** Page 57

- (i) Report of Senate Planning and Priorities Committee** Page 61

**X ADDITIONAL BUSINESS**

- ## 1. Recommendations from the COVID-19 Recovery Steering Committee

- a) Temporary Revision to 2021 – 2022 Admission Requirements, Doctor of Pharmacy, College of Pharmacy** Page 77

- b) Revised Degree Exit Requirements, for the Fall 2020,  
for Degree Programs in the Faculty of Kinesiology and  
Recreation Management**

**XI     MATTERS TO BE CONSIDERED IN CLOSED SESSION**

- 1.     Report of the Senate Committee on Honorary Degrees  
         [November 23, 2020]**

The Report will be provided to members of Senate at the meeting.

**XII    ADJOURNMENT**

*Please call regrets to 204-474-6892 or send to [shannon.coyston@umanitoba.ca](mailto:shannon.coyston@umanitoba.ca).*

**Election of Senate Representative to the Senate Executive Committee**

1. Subsection 34(1) of *The University of Manitoba Act* provides that:

The senate has general charge of all matters of an academic character; and, without restricting the generality of the foregoing, the senate shall ...

(y) elect an executive committee, which shall include

(i) the president, who shall be chairman of the committee;

(ii) the member of the senate designated by the president to be vice-chairman of the committee;

(iii) three members of senate from among the vice-presidents of the university, the deans of faculties and directors of schools;

(iv) a member of the board who has been appointed to be a member of the senate;

(v) a member elected by the students to be a member of senate;

(vi) eight other members of the senate from those elected under section 27 [i.e., elected by faculty/school councils];

2. One Senator is to be elected as a leave replacement for Tina Chen from January 1, 2021 to December 31, 2021:

(a) Eligible for election are members of Senate elected by faculty/school councils.

(b) Presently serving:

Rusty Souleymanov	Social Work	2021
Robert Biscontri	Management	2021
Peter Blunden	Science	2021
Derek Oliver	Engineering	2021
Cary Miller	Arts	2022
Annette Schultz	Health Sciences	2022
Tina Chen	Arts	2023
Mark Gabbert	Arts	2023

3. Procedures:

(a) Nominations for the position shall be received from the floor.

(b) Senators shall vote for no more than one candidate. The election will be conducted via an electronic vote.

(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.

## **Report of the Senate Committee on Admissions: Correction to the Report of June 15, 2020 (2020.11.17)**

### **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).

### **Observations:**

1. Subsequent to the October 7, 2020 Senate meeting, an error was noted in one of the course numbers for a modification proposed by the Faculty of Education. The following correction will be made in the report dated November 17, 2020:

EDUB 3722 Coaching Theory and Practice is listed as a requirement; the course number should be PHED 3722 Coaching Theory and Practice.

### **Recommendation:**

The Senate Committee on Admissions recommends that a correction to the Report of the Senate Committee on Admissions dated June 15, 2020, as outlined above, be approved by Senate.

Respectfully submitted

Laurie Schnarr, Chair, Senate Committee on Admissions

### Comments of the Senate Executive Committee:

The Senate Executive Committee endorses the Report to Senate.

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

---

### Preamble

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

### Observations

1. The **Dept. of Native Studies** proposes (1) course introduction: NATV 7100. One of the very important methodologies employed in Native Studies is linguistic analysis, and the department is finding that more and more of their graduate students are seeking to employ Indigenous terminologies in their theses to more clearly reflect the Indigenous epistemological perspectives carried in their languages. Further, there are many resources in archives at the Manitoba Museum and other archives in Indigenous languages in recorded or print format including materials from treaty gatherings, missionary documents, and other materials. However, as the written orthographies for Indigenous languages have often only become academically standardized in the last 40 years, earlier records are often written in other orthographies that scholars need to learn. For the past two years, the department has had students working in a seminar at the Manitoba Museum on translations of recordings and manuscripts in their collections that are in Anishinaabemowin language. Currently, these are identified on transcripts as independent study. Passing this course will allow students engaging in that program to take fewer independent study courses and have their advanced Anishinaabemowin language studies identified clearly on their transcripts. Pat Ningewance-Nadeau has joined our faculty as an assistant professor recognized for her Indigenous Knowledge as a first language speaker and her academic work as the author of Anishinaabemowin teaching texts widely used in Ontario and Manitoba colleges and universities.

### Course Introduction

#### **NATV 7100 Seminar in Advanced Anishinaabemowin**

**3**

This course will further investigate Anishinaabemowin grammar. Various types of stories in different dialects will be used to illustrate the complexities of Anishinaabemowin. The students will translate English stories into Anishinaabemowin and will also learn to transcribe oral stories in Anishinaabemowin and translate them. Students will also be introduced to historical orthographies used in materials at HBC archives, the Manitoba Museum, and other repositories for transcribing Anishinaabemowin language in the past. Prerequisite: a grade of "C" or better in NATV 3190 or permission of the Instructor or Department Head.

### NET CREDIT HOUR CHANGE

**+3**

## **Recommendations**

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

### **Dept. of Native Studies**

Respectfully submitted,

Dr. Louise Simard, Chair  
Faculty of Graduate Studies Executive Committee

/ak

**Comments of the Senate Executive Committee:**  
The Senate Executive Committee endorses the Report to Senate.

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

---

### Preamble

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

### Observations

1. The Université de Saint-Boniface M. en Ed. (Master of Education) proposes (2) course introductions: EDUA 7743, GRAD 7501 and (7) course modifications: EDUA 7521, EDUA 7531, EDUA 7611, EDUA 7621, EDUA 7761, EDUA 7771, EDUA 7531.

EDUA 7743 has historically been offered as a topics course, but due to its broad application and popularity, USB faculty desire it to be a regular course offering along with the M. en Ed.'s other course offerings.

GRAD 7501 is the French-equivalent to the English GRAD 7500 Academic Integrity Tutorial. The regulations pertaining to GRAD 7500 also apply to GRAD 7501. The Registrar's Office has confirmed that USB will be given the permissions to load the grades for GRAD 7501. GRAD 7501 will be incorporated into the 2021/22 FGS Academic Guide when it is submitted to Senate for approval.

The seven (7) course modifications entail the deletion of several 7000 level prerequisites to courses in the Counselling and Inclusive Education specializations. Courses in the Educational Administration specialization already do not require 7000 level prerequisites. USB did a comparison of grades of students who held the prerequisites and those who did not and there was no significant difference observed in regards to student achievement.

#### Course Introductions

##### **EDUA 7743 La pédagogie universelle**

**+3**

Nature et fondements de la pédagogie universelle. Thématiques de la gestion de la diversité en éducation et inclusion scolaire. Approfondissement du concept de la pédagogie universelle: fondements, principes de flexibilité, lignes directrices, modèles de planification de l'enseignement et modalités d'évaluation.

##### **GRAD 7501 Tutoriel d'intégrité académique**

**+0**

Les nouveaux étudiants ainsi que les étudiants actuels de cycle supérieur apprendront les principes de l'intégrité académique en participant à des tutoriels en ligne. Ils devront passer une évaluation écrite après avoir pris connaissance des tutoriaux. Les étudiants nouvellement admis à un programme



d'études supérieures devront suivre ce cours durant la première session d'inscription, à moins qu'ils aient récemment suivi ce cours. Une note réussite ou échec sera attribuée pour ce cours.

### Course Modifications

**EDUA 7521 Séminaire – Stage en counseling 6**

Expérience supervisée en counseling individuel et de groupe. Analyse d'études de cas au moyen d'enregistrements. Exige un minimum de 180 heures de stage. Une note de réussite ou échec sera attribuée pour ce cours.

**EDUA 7531 Groupes en counselling: Théorie et pratique 6**

Étude de théories, de fondements logiques, d'objectifs et recherches. Acquisition d'une compréhension expérientielle du travail en groupe par la participation aux activités en salle de classe. Acquisition de techniques d'animation de counseling de groupe au moyen d'expériences de counseling de groupes sous supervision.

**EDUA 7611 Séminaire sur l'éducation des enfants aux prises avec des troubles de comportement 3**

Cours à l'intention des enseignants et des enseignantes, et des conseillers et des conseillères scolaires. Études des connaissances théoriques et des outils nécessaires à l'élaboration et à la mise en œuvre des programmes éducatifs pour les élèves aux prises avec des troubles de comportement.

**EDUA 7621 Séminaire sur la déficience intellectuelle 3**

Examen des résultats de la recherche portant sur les problèmes liés à l'enseignement aux personnes ayant une déficience intellectuelle et à leur apprentissage.

**EDUA 7761 Technique d'entrevue avec les enfants et les adolescents et les adolescentes 3**

Étude des principes et des méthodes d'entrevue et de counselling auprès d'enfants, d'adolescents et d'adolescentes, de parents, d'enseignants et d'enseignantes, ou de toute autre personne intervenant auprès de l'enfant. Intégration de la théorie et de la pratique relatives au processus de communication et d'observation diagnostique et thérapeutique en situation naturelle auprès de l'enfant.

**EDUA 7771 Informatique avancée en psychologie de l'éducation 3**

Recours aux innovations récentes de la technologie de l'enseignement assisté par ordinateur, en tenant compte des besoins de la clientèle étudiante de cycle supérieure de la Faculté d'éducation.

**EDUB 7531 Élaboration et mise en œuvre de curriculum en langue et littérature 3**

Étude portant sur les antécédents historiques (problématiques, théorie et recherche) relatifs au curriculum en lecture et en écriture par opposition aux théories actuelles structuralistes, poststructuralistes et déconstructivistes sur la construction des connaissances. Regard particulier sur la synthèse du discours, les processus cognitifs individuels et les effets qu'exerce la société sur l'apprentissage de la littérature.

**NET CREDIT HOUR CHANGE +3**

### Recommendations

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

Université de Saint-Boniface

Respectfully submitted,

Dr. Louise Simard, Chair  
Faculty of Graduate Studies Executive Committee

/ak

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

## **REPORT OF THE SENATE COMMITTEE ON AWARDS**

### **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 revised offers of awards that comply with the Student Awards Policy.

### **Observations**

At its meeting of November 12, 2020, the Senate Committee on Awards approved 4 new offers, 6 revised offers and 1 withdrawal as set out in the *Report of the Senate Committee on Awards (November 12, 2020)*.

### **Recommendations**

On behalf of Senate, the Senate Committee on Awards recommends that the Board of Governors approve 4 new offers, 6 revised offers and 1 withdrawal as set out in the *Report of the Senate Committee on Awards (November 12, 2020)*. These award decisions comply with the Student Awards Policy.

Respectfully submitted,

Dr Jared Carlberg

Chair, Senate Committee on Awards

## **SENATE COMMITTEE ON AWARDS**

**November 12, 2020**

### **1. NEW OFFERS**

#### **Betty Butler Scholarship for Women in Sport**

Kelly Butler and Playing 4 A Purpose established an annually-funded athletic scholarship in memory of Betty Butler with a donation of \$73,000 in 2020. The purpose of these scholarships is to recognize female Bison athletes at the University of Manitoba. When funds are available, the Manitoba Scholarship and Bursary Initiative may make a contribution to the award. The scholarships cannot exceed the value of tuition and fees for each student. These scholarships will be offered for a four-year term as follows:

In 2020-2021, \$43,000 will be used to offer scholarships to undergraduate students who:

- (1) are eligible to compete in U Sports and are members of any Bison female sports team;
- (2) are enrolled full-time, as defined by U Sports, in any faculty, college, or school at the University of Manitoba;
- (3) have achieved either:
  - (a) as an entering student, a minimum average of 80% on those high school courses used for admission to the University; or
  - (b) as a continuing student, a minimum degree grade point average of 2.0;
- (4) exemplify the values of community service as determined by the University of Manitoba Bison Sports recruiting staff.

\$33,000 of the total amount available for 2020-2021 will be used for student-athletes on the Bison Women's Basketball team.

Each year, beginning in 2021-2022 and ending in 2023-2024, \$10,000 per year will be used to offer scholarships to undergraduate students who:

- (1) are eligible to compete in U Sports and are members of the Bison Women's Basketball team;
- (2) are enrolled full-time, as defined by U Sports, in any faculty, college, or school at the University of Manitoba;
- (3) have achieved either:
  - (a) as an entering student, a minimum average of 80% on those high school courses used for admission to the University; or
  - (b) as a continuing student, a minimum degree grade point average of 2.0;
- (4) exemplify the values of community service as determined by the University of Manitoba Bison Sports recruiting staff.

The selection committee will have the discretion to determine the number and value of awards offered each year based on the available funds and to a maximum value of the student-athletes tuition and fees, as outlined in the criteria above.

The Director of Athletics and Recreation (or designate) will name the selection committee for this award which will include a member of the Bison women's coaching staff.

This agreement may be amended by the mutual consent of the donor (or designate) and the University of Manitoba. All such amendments shall be in writing. In the absence of the donor (or designate), and providing all reasonable efforts have been made to consult, the Board of Governors of the University of Manitoba has the right to modify the terms of this award if, because of changed conditions, it becomes

necessary to do so. Such modification shall conform as closely as possible to the expressed intention of the donor in establishing the award.

The terms of this award will be reviewed annually against the U Sports criteria governing “Athletic Financial Awards Policy” (also referred to as “Athletics Scholarships Policy”), currently numbered C50.10 in the U Sports Operations Manual.

### **David Sowemimo Law Entrance Scholarship**

David Sowemimo (B.A.[Adv]/2008, J.D., 2015) generously established an annually funded entrance scholarship at the University of Manitoba in 2020. The purpose of the award is to encourage Black students to enroll in the Faculty of Law at the University of Manitoba. Each year, beginning in 2021-2022, one award of \$6,000 will be offered to an undergraduate student who:

- (1) has self-declared as Black or is Black-identifying;
- (2) is enrolled full-time (minimum 80% course load) in the first year of study in the Juris Doctor degree program in the Faculty of Law; and
- (3) has submitted an award application to the Faculty of Law.

The Faculty of Law will call for applications in July of each year. The application will require a personal statement (1500 words) outlining any factors considered relevant to the achievement of the objectives outlined in the Individual Consideration Category with special attention to the barriers encountered while seeking an education (i.e. physical, technological, systemic, financial or attitudinal). Priority will be given to those students who have applied under the Individual Consideration Category to the Faculty of Law.

The Dean of the Faculty of Law (or designate) will name the selection committee for this award.

This agreement may be amended by the mutual consent of the donor (or designate) and the University of Manitoba. All such amendments will be in writing. In the absence of the donor (or designate), and providing all reasonable efforts have been made to consult, the Board of Governors of the University of Manitoba has the right to modify the terms of this award if, because of changed conditions, it becomes necessary to do so. Such modification shall conform as closely as possible to the expressed intention of the donor in establishing the award.

### **Leslie J. Cornwell Scholarship for Women in Computer Science**

In memory of Leslie J. Cornwell, B.Sc. (Hons./’83), Dr. Glenn Paulley (B.Sc. [Hons]/’82, M.Sc./’90) and his family have established an endowment fund at the University of Manitoba with a donation of \$30,000 in 2020. The purpose of the fund is to recognize outstanding academic achievement and to support female undergraduate students pursuing studies in Computer Science in the Faculty of Science at the University of Manitoba. Each year, beginning in 2021-2022, the available annual income from the fund will be used to offer one scholarship to an undergraduate student who:

- (1) identifies as female;
- (2) is enrolled full-time (minimum 80% course load) in their second, third, or fourth year of study in the Faculty of Science and has declared a major in the Computer Science Program (Honours, Joint Honours, Double Honours, Major, Double Major, and Co-op); and
- (3) has achieved a minimum degree grade point average of 3.5.

Preference will be given to students in their second year of study.

The Dean of the Faculty of Science (or designate) will ask the Head of the Department of Computer Science (or designate) to name the selection committee for this award.

This agreement may be amended by the mutual consent of the donor (or designate) and the University of Manitoba. All such amendments shall be in writing. In the absence of the donor (or designate), and providing all reasonable efforts have been made to consult, the Board of Governors of the University of Manitoba has the right to modify the terms of this award if, because of changed conditions, it becomes necessary to do so. Such modification shall conform as closely as possible to the expressed intention of the donor in establishing the award.

#### **Playing 4 A Purpose Scholarship**

Kelly Butler and Playing 4 A Purpose established an annually funded athletic scholarship for a four-year term to recognize students in the Bison Football program at the University of Manitoba. The initial amount in 2021 will be \$21,000, and each ensuing year the annual amount will be \$10,000. When funds are available, the Manitoba Scholarship and Bursary Initiative may make a contribution to the award. Each year, beginning in 2021-2022 and ending in 2023-2024, scholarships up to a maximum value of \$4,000 each will be offered to undergraduate students who:

- (5) are eligible to compete in U Sports and are members of the Bison Football program;
- (6) are enrolled full-time, as defined by U Sports, in any faculty, college, or school at the University of Manitoba;
- (7) have achieved either:
  - (c) as entering students, a minimum average of 80% on those high school courses used for admission to the University; or
  - (d) as continuing students, a minimum degree grade point average of 2.0;
- (8) exemplify the values of community service as determined by the University of Manitoba Football recruiting staff; and
- (9) have played in the Winnipeg High School Football League.

The selection committee will have the discretion to determine the number and value of awards offered each year based on the available funds, as outlined in the criteria above.

The Director of Athletics and Recreation (or designate) will name the selection committee for this award which will include the Head Coach of the Bison Football team (or designate)

This agreement may be amended by the mutual consent of the donor (or designate) and the University of Manitoba. All such amendments shall be in writing. In the absence of the donor (or designate), and providing all reasonable efforts have been made to consult, the Board of Governors of the University of Manitoba has the right to modify the terms of this award if, because of changed conditions, it becomes necessary to do so. Such modification shall conform as closely as possible to the expressed intention of the donor in establishing the award.

The terms of this award will be reviewed annually against the U Sports criteria governing “Athletic Financial Awards Policy” (also referred to as “Athletics Scholarships Policy”), currently numbered C50.10 in the U Sports Operations Manual.

## 2. AMENDMENTS

### Alexander Austin Worrell Bursary

The following amendments were made to the terms of reference for the Alexander Austin Worrell Bursary:

- The name was revised to: **Alexander Austin Worrell Scholarship**
- The preamble was revised to:  
*Ms. Ruth Gongos established a fund through The Winnipeg Foundation to honour her son, Alexander Austin Worrell, who was diagnosed with Down Syndrome and Autism. Ruth fought for rightful education and care, and was heavily involved in DASCH Foundation Inc. when it was founded. Ruth's hope was that such studies will benefit and enrich the lives of folks like Alexander in the future. The purpose of this fund is to support a graduate student from the University of Manitoba who is studying neuro-psychology or brain-cognitive science. The Winnipeg Foundation will confirm the value of these awards annually. Each year, one award valued at a minimum of \$2,000 will be offered to a graduate student who:*
- The numbered criteria were revised to:
  - (1) *is enrolled full-time in the Faculty of Graduate Studies in a Master's or Doctoral program delivered by the Department of Psychology;*
  - (2) *has achieved a minimum grade point average of 3.0 based on the last 60 credit hours (or equivalent) of study; and*
  - (3) *is conducting research which is focused on Down Syndrome and Autism spectrum disorders or related disorders.*
- The following paragraph was added after the numbered criteria:  
*To demonstrate how they meet criterion (3), applicants will be required to submit a statement (maximum 500 words) to the Department of Psychology outlining their research.*
- The selection committee paragraph was revised to  
*The Vice-Provost, Graduate of Education, and Dean of the Faculty of Graduate Studies (or designate) will ask the Head of the Psychology Department (or designate) to name the selection committee for this award.*

### Dean Ruth E. Berry - Manitoba Association of Home Economists Award

The following amendments were made to the terms of reference for the Dean Ruth E. Berry - Manitoba Association of Home Economists Award:

- The numbered criteria were revised to:
  - (1) *is enrolled full-time (minimum 80% course load) in any year of study in the Bachelor of Education degree program in the Faculty of Education;*
  - (2) *has a teachable major or minor in Human Ecology;*
  - (3) *has achieved a minimum degree grade point average of 3.5; and*
  - (4) *has demonstrated leadership abilities and/or a commitment to community through their volunteer activities.*
- The following paragraphs were added:  
*In order to be considered for the scholarship, on or before March 31st in any year, students must:*

- (a) *apply in writing with a Statement of Service (maximum 250 words); or*
- (b) *be independently nominated by a faculty member (professor or instructor), faculty advisor (faculty supervisor in the practicum), and/or a cooperating teacher(s) [supervising certified teacher in the practicum classroom] with a letter of nomination.*

*Letters of nomination and support must directly address the student's demonstrated interest in Human Ecology Education, volunteerism and community service. A Statement of Service must be submitted by the student, or it may be requested should they be nominated. The Statement of Service should identify volunteer and community service activities and may include supporting material(s) (e.g., photos, lesson plans, etc.).*

- The standard Board of Governors statement was added.

### **Imperial Seed Co. Ltd. Scholarship**

The following amendments were made to the terms of reference for the **Imperial Seed Co. Ltd. Scholarship**:

- The preamble was revised to:  
*The Imperial Seed Co. Ltd. established a scholarship fund of \$25,000 at The University of Manitoba. Each year, the available annual income from the fund will be used to offer one scholarship to a graduate student who:*
- The numbered criteria were revised to:  
*(1) is enrolled full-time in the Faculty of Graduate Studies in a Master's or Doctoral program delivered by the Department of Plant Science in the Faculty of Agricultural and Food Sciences;*  
*(2) has achieved a minimum grade point average of 3.5 based on the last 60 credit hours (or equivalent) of study; and*  
*(3) is conducting research in the area of plant genetics.*
- The following paragraph was revised to:  
*Applicants must submit a written statement (maximum 250 words) describing their research.*
- The selection committee paragraph was revised to:  
*The Vice-Provost (Graduate Education) and Dean of the Faculty of Graduate Studies (or designate) will ask the Dean of the Faculty of Agricultural and Food Sciences to name the selection committee for this award.*
- The standard Board of Governors statement was updated.

### **Louis Riel Bursaries at the University of Manitoba**

The following amendments were made to the terms of reference for the Louis Riel Bursaries at the University of Manitoba:

- The value of the award increased from \$3,500 to \$5,000 each year.
- The numbered criteria were revised to:  
*(1) are Métis, as verified by the Louis Riel Institute;*  
*(2) are enrolled full-time or part-time in any year of study in University 1 or any faculty, college,*



- or school at the University of Manitoba;*
- (3) *have achieved:*
  - (a) *as entering students, the minimum entrance requirements for admission to the University of Manitoba;*
  - (b) *as undergraduate students, a minimum degree grade point average of 2.0; or*
  - (c) *as graduate students, a minimum grade point average of 3.0 based on the last 60 credit hours (or equivalent) of study; and*
- (4) *have demonstrated financial need on the standard University of Manitoba bursary application form.*
- The standard Board of Governors statement was updated.

### **Madame Yiching Zheng Kao Memorial Bursary**

The following amendments were made to the terms of reference for the Madame Yiching Zheng Kao Memorial Bursary:

- The name was revised to: **Madame Yiching Zheng Kao Memorial Scholarship**
- The preamble was revised to:
 

*Professor Kwan Chi Kao established an endowment fund at the University of Manitoba in memory of his wife, Madame Yiching Zheng Kao, with an initial gift of \$10,000. This fund was established to reward graduate students in the Max Rady College of Medicine who are conducting research in the area of breast cancer. Each year, the available annual income from the fund will be used to offer one scholarship to a graduate student who:*
- The numbered criteria were revised to:
  - (1) *is enrolled full-time in the Faculty of Graduate Studies in a Master's or Doctoral program delivered by a department in the Max Rady College of Medicine;*
  - (2) *has achieved a minimum grade point average of 3.0 (or equivalent) based on the last 60 credit hours (or equivalent) of study; and*
  - (3) *has demonstrated excellence in the area of breast cancer research.*
- The following paragraphs were added after the numbered criteria:
 

*In the event that there is no eligible candidate who meets all of the criteria outlined above, the award will be offered to a student who meets criterion (1) and who has demonstrated excellence in the area of cancer research.*

*Candidates will be required to submit an application which includes (i) a current transcript(s), (ii) a curriculum vitae, (iii) two academic letters of reference from professors at a post-secondary institution, and (iv) a description of their proposed or ongoing research (maximum 500 words).*
- The selection committee paragraph was revised to:
 

*The Vice-Provost (Graduate Education) and Dean of the Faculty of Graduate Studies (or designate) will ask the Vice-Provost (Health Sciences) and Dean of the Max Rady College of Medicine (or designate) to name the selection committee, which will include the Associate Dean of Research.*
- The standard Board of Governors statement was updated.

### **President's Scholarship**

The following amendments were made to the terms of reference for the President's Scholarship:

- The paragraph before the numbered criteria was revised to:

*Each year, scholarships in name and benefits only will be offered to undergraduate students who:*

- The numbered criteria were revised to:

- (1) *are either Canadian citizens, Permanent Residents or International students (i.e., those entering Canada on study permits)*
- (2) *are enrolled full-time (minimum 80% course load) in the first year of study in University 1 or any faculty, college or school with a direct entry option at the University of Manitoba;*
- (3) *as entering students, have achieved a minimum 95% final average as determined by the Financial Aid and Awards office for entrance scholarship purposes;*

- The renewal paragraph was revised to:

*The scholarships are renewable in each of the second, third, and fourth years of study, and will have a monetary value of \$1,000 each, as well as the benefits listed above, provided that the recipient:*

- (1) *is enrolled full-time (minimum 80% course load) in the next consecutive year of study in any faculty, college, or school at the University of Manitoba; and*
- (2) *as continuing students, have achieved a minimum degree grade point average of 4.0 based on course work completed during the regular academic sessions.*

- The selection committee paragraph was revised to:

*The Director of Financial Aid and Awards (or designate) will name the selection committee for this award*

- The standard Board of Governors statement was updated.

### **3. WITHDRAWALS**

#### **NorthStar Genetics 10<sup>th</sup> Anniversary Scholarship**

At the request of the donor

## In Memoriam

### Paul Bernard Wiens 1943-2020

Paul Bernard Wiens passed away peacefully at the Ottawa General Hospital on Thursday, November 19, 2020 in his 77th year.

Born in Saskatoon on February 6, 1943, Paul was the son of the late David and Gertrude Wiens (née Janz) and the eldest brother to Viola, Victor and Edith.

After completing his studies at the University of British Columbia, Paul enjoyed a long, fulfilling career as a University Librarian, most recently at Queen's University, where under his leadership the Stauffer Library was built in 1994. His professional life moved him across the country, with periods at the Universities of Waterloo, Manitoba, Lethbridge, and Saskatchewan. He worked at the University of Manitoba Libraries from 1975 to 1981, leaving as Assistant Director for Administration. He also served as president of the Manitoba Library Association.

Paul, with his gregarious personality, cherished any opportunity to gather and would think nothing of traveling great distances to be with family and friends. Paul was known for his gusto for long road trips and his love of hiking, biking and skiing. His Mennonite heritage was always close to his heart.

Paul was a devoted father to Philippa, Marianne, Andrew (d. 2019), Patrick, Michaela and Thomas, and grandfather to Alexandra, Zachary, Clara, Miles, Claire, Sawyer, Charlie and Lyla. He is lovingly remembered by his family.



Office of Provost and Vice-President (Academic)

208 Administration Building  
Winnipeg, Manitoba  
Canada R3T 2N2

**University  
of Manitoba**

**Date:** November 27, 2020

**To:** Dr. Gady Jacoby, I.H. Asper School of Business, Faculty of Management  
Dr. Louise Simard, Acting Dean, Faculty of Graduate Studies

**From:** Dr. Janice Ristock, Provost and Vice-President (Academic)

**Re:** Implementation of Master of Supply Chain Management and Logistics

---

On November 25, 2020, the University received formal notification from the Assistant Deputy Minister, Manitoba Economic Development and Training, that the proposal to establish a Master of Supply Chain Management and Logistics program has been approved (see attached). The letter highlights the role the program will play in the labour market and connect students with industry and employers.

I hereby approve the implementation of the program commencing Fall 2021, noting the following:

- The program is a 24-month, 45 credit hour program plus a cooperative or applied project option.
- The program will be funded through the reallocation of existing resources and tuition revenue. As such, no additional financial support will be allocated in support of this implementation.
- Tuition will be assessed as a program fee of \$27,500, paid 50% in Year 1 and 50% in Year 2 of the program. Following the first two years, graduate continuing fees will be assessed every year thereafter until completion. The program also includes a \$5000 graduate co-op work-term and applied project fee.
- The maximum seat capacity for the program, defined as first-year enrolment in the program, is 50 students.

Consistent with Section 9.7(1) of the Advanced Education Administration Act, should you wish to make any significant modifications to, or cease to provide the program in the future, you are required to seek and receive approval from the province. In this respect, the program is and will be subject to any regulations prescribed under Section 9.7(1) of the Act.

On behalf of the University of Manitoba, I extend my congratulations to all those who have worked so hard to design this exciting new program.

Cc.: Michael Benarroch, President and Vice-Chancellor  
Todd Mondor, Deputy Provost (Academic Planning and Programs)  
Jeff Leclerc, University Secretary  
Neil Marnoch, Registrar  
Jeff Adams, Executive Director, Enrolment Services  
Randy Roller, Executive Director, Institutional Analysis  
Giselle Martel, Executive Director, Financial Planning  
Cassandra Davidson, Academic Programs Specialist



## Economic Development and Training

Assistant Deputy Minister, Advanced Education and Skills Division  
405 – 800 Portage Avenue, Winnipeg, Manitoba, Canada R3G 0N4  
T 204-945-3047  
[www.manitoba.ca](http://www.manitoba.ca)

November 25, 2020

Dr. Michael Benarroch  
President  
University of Manitoba  
[president@umanitoba.ca](mailto:president@umanitoba.ca)

Dear Dr. Benarroch:

I am pleased to advise that Economic Development and Training has approved the University of Manitoba's proposal to establish a Master of Supply Chain Management and Logistics Program as submitted.

It is my understanding that the program will bring great value to the Manitoba labour market and is supported by industry stakeholders. We are also pleased that the program will provide students with a unique opportunity and co-op placement that will connect them to possible employers. I would like to commend the university for its commitment to ensuring that programming supports Manitoba's economy while creating valuable pathways to employment for students. I wish the university continued success as you establish the new Master of Supply Chain Management and Logistics Program.

During the COVID-19 pandemic period, when institutions are being asked to adjust programs based on an ever-changing environment, it is important to note that an approval of a proposal does not obligate a university or college to implement the program. Approval of a proposal is valid for three years from the effective date of the approval. Institutions retain the ability to implement at their discretion during that period. If the institution fails to implement the proposed program in that time, it must resubmit the proposal.

Should you have any questions regarding this approval, please contact Ms Sonya Penner, Executive Director of Post-Secondary Education and Labour Market Outcomes at 204-945-1839 or at [Sonya.Penner@gov.mb.ca](mailto:Sonya.Penner@gov.mb.ca).

Sincerely,

Colleen Kachulak

- c. Ms Sonya Penner, Executive Director, Post-Secondary Education and Labour Market Outcomes, Economic Development and Training  
Dr. Todd Mondor, Deputy Provost (Academic Planning and Programs), University of Manitoba

## **Report of the Senate Executive Committee**

### **Preamble**

The Executive Committee of Senate held its regular monthly meeting on the above date.

### **Observations**

#### **1. Speaker for the Executive Committee of Senate**

Professor Rusty Souleymanov will be the Speaker for the Executive Committee for the January 2021 meeting of Senate.

#### **2. Discussion of proposal from Student Senate Caucus to prohibit use of online examination features which prevent test-takers from going back and forth between questions**

The Executive Committee considered a proposal from the Student Senate Caucus to prohibit the use of online examination features that prevent test takers from going back-and-forth between questions. The comments of the Committee and a copy of the proposal are included with this Report as Attachment I.

#### **3. Comments of the Executive Committee of Senate**

Other comments of the Executive Committee accompany the report on which they are made.

Respectfully submitted,

Dr. Michael Benarroch, Chair  
Senate Executive Committee

Terms of Reference:

[http://umanitoba.ca/admin/governance/governing\\_documents/governance/sen\\_committees/477.htm](http://umanitoba.ca/admin/governance/governing_documents/governance/sen_committees/477.htm)

December 9, 2020

**Comments of the Senate Executive Committee regarding a proposal submitted by the Student Senate Caucus to prohibit the use of online examination features which prevent test-takers from going back and forth between questions**

The Student Senate Caucus submitted the attached proposal for consideration by the Senate Executive Committee. The proposal recommended that Senate be asked to “prohibit instructors use of online examination features that prevent test takers from going back-and-forth between questions, for example, through removing or disabling this widget in the assessment tools available for UM Learn”.

Prior to the Senate Executive Committee discussing the proposal, it was referred to the COVID-19 Recovery Steering Committee for review and comment. The Steering Committee discussed the proposal but did not endorse or recommend it.

At its December 9, 2020 meeting, the Senate Executive Committee had a full discussion of the proposal and the motivations behind it on the part of the Student Senate Caucus. The students noted that wherever possible, the examination experience of students in remote and online learning ought to, as much as possible, replicate the experience of in-person examinations. In such cases, students can review the entire examination script and answer questions in the order of their choosing. The students noted that the not being able to go back-and-forth adds unnecessarily to the stress students face during exams and can have negative repercussions on performance.

While the Senate Executive Committee was sympathetic to the point raised by the students, it was not prepared to advance the proposal of the students forward to Senate, as the committee felt that assessment decisions are best made by faculty members, and that, in some limited, cases, limiting students from going back-and-forth in responding to examinations will be pedagogically necessary.

The Committee asked the Provost, and she agreed, to prepare a message to all instructional staff raising the importance of trying, as much as possible, to replicate the in-person examination experience for students completing examinations remotely or online, including, where possible to permit students to move back-and-forth between questions unless there are sound pedagogical reasons for not doing so. Such a communication will also provide information on how to enable this function through UM Learn, and encourage instructors to ensure that students are informed in advance of examinations if they will not be able to go back-and-forth between questions.

The Committee also asked that this summary of the discussion, along with the proposal of the Student Senate Caucus, be included on the Senate agenda, for information, and that an opportunity for discussion of the issue take place at the January, 2021 Senate meeting.

/jml



Office of the  
University Secretary

312 Administration Building  
Winnipeg, Manitoba  
Canada R3T 2N2  
P: 204-474-9593  
F: 204-474-7511

Date: December 7, 2020  
To: Senate Executive Committee  
From: Jeff M. Leclerc, University Secretary  
Subject: Submission from the Student Senate Caucus

The Student Senate Caucus has submitted the attached proposal for consideration by Senate Executive. As the proposals relates to academic matters related to the impacts of COVID-19, it was transmitted to the COVID Steering Committee prior to transmittal to the Senate Executive Committee.

The Steering Committee reviewed and discussed the proposal, but does not endorse or recommend the proposal. It is included for the consideration of the Senate Executive Committee at its December 9, 2020 meeting.

[umanitoba.ca/governance](https://umanitoba.ca/governance)



## **Recommendation to prohibit online examination features which prevent test-takers from going back-and-forth between questions**

Submitted by: Student Senate Caucus

Submitted to: Jeff Leclerc, University Secretary

---

### **Observations**

1. In normal settings, students can flip between exam pages and strategically approach their testing.
2. Both fairness to students and student success are compromised when this ability is not granted.
3. Hundreds of students have been prevented from going between questions when taking assessments that use online software in the Fall 2020 term, and have subsequently been disadvantaged in the testing environment.
4. It is important to maintain a testing environment which best allows students to demonstrate their knowledge.
5. Preventing students from going between testing pages has no proven pedagogical benefit.

### **Recommendation**

The Student Senate Caucus (SSC) recommends:

**THAT the use of online examination features which prevent test takers from going back and forth between questions be prohibited for use by instructors, for example, through removing or disabling this widget in the assessment tools available in UM Learn.**

## **Report of the Faculty Council of Graduate Studies on Course, Curriculum and Regulation Changes**

### **Preamble**

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

### **Observations**

1. The **Faculty of Law** proposes the introduction of two elective 3 CH courses for the Master of Human Rights: HMRT 7510 Special Topics in Human Rights and HMRT 7800 Research Paper in Human Rights. Both courses are intended to provide students with more flexible options and respond to current developments in the field. The unit also proposes the introduction of two elective 3 CH courses for the Master of Laws: LAW 7120, LAW 7130; and supplementary regulation changes. The new courses address needs that are currently being met by enrolling graduate students in undergraduate courses that do not reflect the level of work being done by graduate students. The supplementary regulation changes consist of removing the requirement that students identify an advisor at the time of application, and is providing clarity about their existing Statement of Intent and Proposal requirements.

#### **Course introductions**

##### **HMRT 7510 Special Topics in Human Rights +3**

Critical and constructive study, at an advanced level, of a significant major subject or set of topics in Human Rights. Students may earn multiple credits for this course only when the topic subtitle is different.

##### **HMRT 7800 Research Paper in Human Rights +3**

An independent reading and/or research course on a selected topic in human rights, undertaken and arranged in consultation with the prospective instructor, upon the approval of the program director, the course content may vary. Students may earn multiple credits for this course only when the topic subtitle is different.

##### **LAW 7120 Research Paper in Law +3**

Independent reading and/or research course on selected topic in law undertaken and arranged in consultation with the prospective instructor, upon approval of the Associate Dean (Research & Graduate Studies). Course content may vary. Students may earn multiple credits for this course only when the topic subtitle is different.

**LAW 7130 Topics in Law****+3**

An independent reading and/or research course on a selected topic in law undertaken and arranged in consultation with the prospective instructor, upon approval of the Associate Dean Research & Graduate Studies. The course content may vary. Students may earn multiple credits for this course only when the topic subtitle is different.

**NET CREDIT HOUR CHANGE****+12****Recommendations**

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

**Faculty of Law**

Respectfully submitted,

Dr. Louise Simard, Chair  
Faculty Council of Graduate Studies

/ak

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

## **Report of the Senate Planning and Priorities Committee RE: Graduate Course Changes Beyond Nine Credit Hours, Faculty of Law**

---

### **Preamble:**

1. The [terms of reference](#) for Senate Planning and Priorities Committee (SPPC) charge the committee to report to Senate on curriculum changes with significant resource implications, including additions to departmental curricula of more than nine credit hours.
2. At its meetings on September 28 and October 26, 2020, the SPPC considered the Report of the Faculty Council of the Faculty of Graduate Studies on Course, Curriculum and Regulation Changes concerning graduate course changes beyond nine (9) credit hours in the Faculty of Law.

### **Observations:**

1. The Faculty of Law is proposing to introduce four (4) graduate courses, as set out in the Report of the Faculty Council of the Faculty of Graduate Studies (dated July 14, 2020). The overall number of graduate course offerings in the Faculty would increase by twelve (12) credit hours.
2. The proposed courses, which are special topics and research paper courses, would be elective courses; two in the Master of Laws program (LAW 7120, LAW 7130) and two in the Master of Human Rights program (HMRT 7510, HMRT 7800). Introducing the courses would give faculty flexibility to offer, and students to complete, courses designed to address particular research interests or developments in these disciplines.
3. Based on its initial review of the proposal, the SPPC had asked the Faculty of Law to provide more specific information on existing and/or additional teaching resources that would be required to offer the courses. The Faculty was also asked to comment on any other staffing issues to be considered, including, potentially, for other departments. The request arose given the SPPC's recent review of a relatively large number of undergraduate LAW course introductions (Senate, June 24, 2020) and its understanding that teaching in the M.H.R. program is supported by Law faculty, as well as Adjunct Professors.
4. Acting Dean Asper's response (dated September 14, 2020), which is included with the attachments to this Report, confirms the Faculty has sufficient resources to support the new courses. The courses would be offered only with the approval of the Director, Master of Human Rights, or the Associate Dean Graduate Research, as appropriate.

Additionally, the SPPC was informed that the courses would not be offered annually. Typically, they would be offered as directed reading / research courses, to individual students. For LAW 7120 and LAW 7130, there would be no impact for Law faculty members' regular teaching loads. With respect to HMRT 7150 and HMRT 7800, the courses might form part of a faculty member's teaching load, based on permission of their department head or program chair. In the unlikely situation that several students would register for the same section of LAW 7120 or LAW 7130, in any given year, given the small enrolments in the LL.M. program, one faculty member might be appointed to teach the course in place of another elective course offering. If this situation were to

occur in the M.H.R. program, which also has small enrolments, there would be teaching capacity within the program once the position for an endowed research Chair in Human Rights and Social Justice was filled.

**Recommendation:**

The Senate Planning and Priorities Committee recommends:

**THAT Senate approve the Report of the Senate Planning and Priorities Committee concerning graduate course changes beyond nine credit hours in the Faculty of Law, effective for the next available term.**

Respectfully submitted,

Professor David Watt, Chair  
Senate Planning and Priorities Committee

**AMENDED – October 8, 2020**

September 14, 2020

Andrea Kailer  
Faculty of Graduate Studies  
University of Manitoba  
500 University Centre  
Winnipeg, MB R3T 2N2

Dear Andrea,

**Re: New Graduate Course Introductions**

This will confirm that the Faculty of Law has sufficient resources to support the following courses:

- HMRT 7510 Special Topics in Human Rights (3 CH)
- HMRT 7800 Research Paper in Human Rights (3 CH)
- LAW 7120 Research Paper in Law (3 CH)
- LAW 7130 Topics in Law (3 CH)

HMRT 7510 Special Topics in Human Rights and HMRT 7800 Research Paper in Human Rights will only be offered;

1. with the approval of the MHR Director, and
2. if there are faculty members available with relevant expertise. In the event that these courses *are* being offered, they may form part of a faculty member's teaching allocation, with the permission of the relevant department head or program chair. We do not anticipate undertaking any hiring related to these proposed courses, as they are not required courses, and will not necessarily be offered in any given year. Thus, there are no ongoing teaching or administrative costs related to the proposed courses.

LAW 7120 Research Paper in Law and LAW 7130 Topics in Law will only be offered with the approval of the ADGRS and if a faculty member is available to teach. At this time, there are no additional teaching or administrative costs associated with the courses.

Please amend the supplemental regulations to state that “An additional copy of the final thesis must be submitted to the Faculty of Law in electronic format.”

Yours Sincerely,

A handwritten signature in black ink, appearing to read 'DAVID ASPER', with a stylized flourish at the end.

David Asper, Q.C.  
Acting Dean

contact the department/unit to which they are applying for the procedures and requirements of that department/unit. Contact information for each unit can be found at

[http://umanitoba.ca/faculties/graduate\\_studies/admissions/programs/index.html](http://umanitoba.ca/faculties/graduate_studies/admissions/programs/index.html).

### 1.1.1 Process:

1.1.1 (a) A completed official application for admission form must be submitted, together with the application fee and supporting documentation, to the Faculty of Graduate Studies, via the online application system.

**NOTE:** International students must pay special attention to the appropriate requirements with respect to transcripts (see application form for details).

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

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

Winnipeg, Manitoba  
R3T 2N2  
[lawgrad@umanitoba.ca](mailto:lawgrad@umanitoba.ca)  
204-480-1485

Proposed advisors should be indicated on the application form. Applicants are strongly advised to visit the Faculty of Law's website to view areas of research expertise.

~~The name of your preferred supervisor is required at time of application.~~

All applicants must be approved by the Faculty of Law and the Faculty of Graduate Studies. Complete applications would include.

~~**Thesis Statement:** All applicants must submit a concise statement (maximum 750 words) of the proposed thesis research.~~

~~**Statement of Intent:** All applicants must submit a statement of intent (1-2 page maximum) as more fully described on the Faculty of Law web site.~~

~~**Proposal:** All applicants must submit a 3-4 page statement (as described on the Faculty of Law web site) of the proposed research.~~

**Curriculum Vitae/Resume:** All applicants must submit a recent curriculum vitae or resume.

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

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

Term	Start Date	Canadian/US	International
FALL	September	July 1	April 1
WINTER	January	November 1	August 1
SUMMER	May	March 1	December 1

**IMPORTANT:** These are not application deadlines. Applicants are **required** to submit the application and documentation to the Faculty of Graduate Studies to meet the application deadline in place for a particular department/unit. Applicants are advised to confirm the deadline of the department/unit to which the application is being made; deadlines can be found on the application program page at

[http://umanitoba.ca/faculties/graduate\\_studies/admissions/programs/index.html](http://umanitoba.ca/faculties/graduate_studies/admissions/programs/index.html).

### Faculty of Law Application Final Deadlines:

Session	Start Date	Canadian/US/ International
Fall	September	December 15

### Faculty of Law Fellowship/Scholarship Funding Deadlines:

~~All complete applications are reviewed after the application deadline.~~

~~Applications will be considered, and offers made, on a rolling basis. To compete for funding, applications should be complete and all supporting materials received, as early as possible. All admitted students are considered for funding opportunities. A separate application for funding is not required.~~

Graduate studies at the Faculty of Law cannot commence in any other term.

It is the applicant's responsibility to ensure that all materials are received by the deadline.



Faculty of Graduate Studies Regulation 2019/20	Supplemental Regulation
<p><b>1.1.3 Application Fee</b></p> <p>A \$100.00 (CDN) non-refundable fee must accompany admission applications from all Canadian, Permanent Resident, and International applicants.</p>	
<p><b>1.1.4 Transcripts</b></p> <p>Unofficial copies of transcripts and final degree certificates are acceptable for initial assessment and provisional admission purposes.</p> <p>Upon admission to the Faculty of Graduate Studies, applicants must arrange for official transcripts from all post-secondary institutions attended to be sent to the Faculty of Graduate Studies within one (1) month of the date on the admission letter. Applicants will be placed on hold, which prevents registration until all admission requirements have been submitted. <b>All transcripts must arrive in sealed, university-stamped envelopes sent directly from the issuing institution(s) and be accompanied by official and literal English translations (where applicable, see 1.1.5).</b> For international degrees or where the transcripts does not or will not clearly state that a degree has been conferred, a copy of the official degree certificate is also required.</p>	
<p><b>1.1.5 Transcripts: International</b></p> <p>Where academic records from a country other than Canada are produced in a language other than English, the applicant must arrange for the submission of official literal English translations of all records. To be official, original language documents and English translations must arrive together in envelopes which have been sealed and endorsed by the issuing institution. For international degrees or where the transcript does not or will not clearly state that a degree has been conferred, a copy of the official degree certificate is also required.</p>	
<p><b>1.1.6 Transcripts: University of Manitoba</b></p> <p>University of Manitoba students are not required to submit University of Manitoba transcripts.</p>	
<p><b>1.1.7 Proficiency in English</b></p> <p>A successfully completed English Language Proficiency Test from the approved list is required of all applicants unless they have received a secondary school diploma and/or university degree from Canada or one of the countries listed on the <a href="#">English Language Proficiency Test Exemption List</a> (see 1.1.8). The Faculty of Graduate Studies requires a passing, acceptable English Language Test score in order to offer admission. <b>Please note:</b> In all cases, test scores older than two (2) years (from the time of completing the test) are invalid.</p> <p>Thresholds required for successful completion are indicated in parentheses.</p> <ul style="list-style-type: none"> <li>University of Michigan English Language Examination Assessment Battery (MELAB) (80%)</li> </ul>	<p>Applicants that are required to submit proof of English proficiency may do so by achieving one of the following:</p> <ul style="list-style-type: none"> <li>Test of English as a Foreign Language (TOEFL) Internet based -iBT (100)</li> </ul> <p>Applicants may be required to demonstrate proficiency based on other tests including the submission of written work.</p>

Faculty of Graduate Studies Regulation 2019/20	Supplemental Regulation
<ul style="list-style-type: none"> <li>• Test of English as a Foreign Language (TOEFL)– Internet based -iBT (86; minimum score of 20 in each of reading, writing, listening and speaking categories)</li> <li>• Canadian Test of English for Scholars and Teachers (CanTEST) (band 4.5 in listening and reading and band 4.0 in writing and oral interview)</li> <li>• International English Language Testing System (IELTS) (6.5)</li> <li>• Academic English Program for University and College Entrance (AEPUCE) (65%)</li> <li>• Canadian Academic English Language Assessment (CAEL) (60 overall and 60 on each subset)</li> <li>• PTE Academic (61% overall)</li> </ul> <p><b>Note:</b></p> <p>In addition, foreign language students may be asked by the department/unit to complete the CanTEST prior to or following registration in the Faculty of Graduate Studies and, if need be, the department/unit may recommend remedial measures in language skills based on the results of the CanTEST. Some units may require a specific test or test scores greater than those indicated above. Students should check department/unit supplemental regulations for details.</p>	
<p><b>1.1.8 English Language Proficiency Test Exemption List</b></p> <p>Applicants holding secondary school diplomas and/or recognized university degrees from countries on the Faculty of Graduate Studies English Language exemption list are not required to submit an English Language Proficiency score. For more information please see our website at <a href="http://umanitoba.ca/faculties/graduate_studies/admissions/english_exemption_list.htm">http://umanitoba.ca/faculties/graduate_studies/admissions/english_exemption_list.htm</a></p>	
<p><b>1.1.9 Letters of Recommendation</b></p> <p>Letters of Recommendation are to be completed via the online application. Applicants are required to add their 'Recommendation Provider(s)' contact information so that each recommender is sent an automated email notification.</p> <p>Generally, two (2) Letters of Recommendation must be submitted to the Faculty of Graduate Studies. For the number of recommendation letters necessary, applicants should review their specific Program webpage at <a href="http://umanitoba.ca/faculties/graduate_studies/admissions/programs/index.html">http://umanitoba.ca/faculties/graduate_studies/admissions/programs/index.html</a>.</p>	<p><b>Three</b> letters of recommendation are required. <u>If possible</u>, <del>Two</del> of the recommendation letters should be from academics. One letter of recommendation may be from an employer</p>
<p><b>1.1.10 Admission Tests</b></p> <p>Some departments/units require admissions tests, such as the Graduate Record Examination (GRE) or the Graduate Management Aptitude Test (GMAT). These requirements are listed in the supplemental regulations of the particular department/unit, and if required, the scores must be submitted at the time of application.</p>	
<p><b>1.1.11 Entrance Requirements</b></p>	

Faculty of Graduate Studies Regulation 2019/20	Supplemental Regulation
<p>The judgment of the examiners shall be reported to the Faculty of Graduate Studies in the qualitative terms "approved" or "not approved" on the "Thesis/Practicum Final Report" form (<a href="http://umanitoba.ca/faculties/graduate_studies/forms/index.html">http://umanitoba.ca/faculties/graduate_studies/forms/index.html</a>). Each examiner must indicate his/her opinion by his/her signature. If two (2) or more examiners do not approve the thesis, then the student is deemed to have failed the defence.</p>	
<p><b>4.8.1.4 Failure</b></p> <p>In the case of a failure of the thesis/practicum at the Master's level, a detailed written report will be prepared by the Chair of the examination committee and submitted to the Faculty of Graduate Studies, who will make the report available to the student and advisor/co-advisor.</p> <p>A student will be required to withdraw when the thesis/practicum has been rejected twice at the stage where:</p> <ul style="list-style-type: none"> <li>• The examining committee reports on the merits of the written thesis;</li> <li>• The defence; or</li> <li>• A combination of both stages.</li> </ul> <p>The examining process should be completed within one (1) month of distribution of the thesis/practicum to the examining committee.</p>	
<p><b>4.8.2 Course-based/Comprehensive Examination Route</b></p> <p>Students must demonstrate their mastery of their field. The specific procedures for evaluation of this mastery are stated in individual department/unit supplemental regulations. Students should consult the department/unit supplemental regulations for specific requirements.</p> <p>In those department/units where comprehensive examinations are required, students should consult the department/unit's supplemental regulations for specific requirements. The results of the comprehensive examinations shall be submitted to the Faculty of Graduate Studies on the "Report on Comprehensive Examination" form (<a href="http://umanitoba.ca/faculties/graduate_studies/forms/index.html">http://umanitoba.ca/faculties/graduate_studies/forms/index.html</a>) in the terms "pass" or "fail." No student may sit comprehensive examinations more than twice. Any student who receives a "fail" on the comprehensive examination twice will be required to withdraw from the Faculty of Graduate Studies.</p>	<p>There is no comprehensive examination.</p>
<p><b>4.9 Style and Format</b></p> <p>The thesis/practicum must be written according to a standard style acknowledged by a particular field of study (see <a href="#">Appendix 1</a>).</p>	
<p><b>4.10 Deadlines for Graduation</b></p> <p>The final requirements of the degree, in the form of the final report on the thesis/practicum (and the corrected copy of the thesis/practicum and Copyright</p>	<p>An additional <a href="#">electronic</a> copy of the final thesis must be submitted to the Faculty of Law <del>in an unbound form, enclosed in an envelope or folder.</del></p>

**Report of the Senate Committee on Instruction and Evaluation RE: Modification of Progression Regulations, Faculty of Science**

---

**Preamble:**

1. The terms of reference for the Senate Committee on Instruction and Evaluation (SCIE) can be found at:  
[http://umanitoba.ca/admin/governance/governing\\_documents/governance/sen\\_committees/502.html](http://umanitoba.ca/admin/governance/governing_documents/governance/sen_committees/502.html).
2. At its meeting on October 16 and November 19, 2020 SCIE considered a proposal from the Faculty of Science to modify the progression regulations for its undergraduate programs.

**Observations:**

1. The Faculty is proposing to modify the progression regulations for its undergraduate programs, by moving from an “F” grade credit hour count model to a Grade Point Average based model.
2. Currently, students who have more than 36 credit hours of “F” grades are placed on academic suspension for one year. Following a one year academic suspension, a student may apply to return, with the option of either continuing with no possibility of further “F” grades, or to start afresh. The current progression regulations do not allow for early intervention for those students who are struggling.
3. The Faculty is proposing that students be assessed at the end of each term, with their academic performance being categorized as Minimum Met, Academic Warning, on Probation or on Suspension.
  - a) Students who have completed 12 to 23 credit hours and have obtained a Degree Grade Point Average of less than 2.0 would be placed on Academic Warning.
  - b) Students who have completed 24 or more credit hours and have obtained a Degree Grade Point Average of less than 2.0 would be placed on Probation.
  - c) Students who are on probation and do not achieve a minimum Term Grade Point Average of 2.0 in subsequent terms would be placed on Suspension.
4. Students who receive an assessment of Academic Warning or Probation would be required to meet with an academic advisor, in order to be advised of supports and be referred to appropriate resources, such as the Academic Learning Centre.
5. The Faculty is also proposing that students who return from a one year suspension would resume their studies on probation. If such a student fails to achieve a minimum Term Grade Point Average of 2.0 in subsequent terms, the student would be suspended for five years.
6. Students returning from a five year suspension would be given the option of resuming their studies or starting afresh.
7. Students who meet the requirements for graduation while on probation, or during a term in which they would be assessed as being on suspension, would be permitted to

graduate, with the probation or suspension notation being removed from the final term of their transcript.

8. Initially, the Committee had concerns that a second suspension of five years was too punitive, but ultimately was satisfied that the Faculty's proposal was supported by data, that the Faculty has sufficient supports in place for students, and that the changes to progression regulations would result in students being provided with supports at an earlier stage in their program.

### **Recommendation**

The Senate Committee on Instruction and Evaluation recommends:

***THAT Senate approve the proposed modification of Progression Regulations, Faculty of Science, effective September 1, 2021.***

Respectfully submitted,

Dr. Mark Torchia, Chair  
Senate Committee on Instruction and Evaluation

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



November 6, 2020

Dr. Mark Torchia  
Chair of SCIE  
Attention: Marcia Yoshida, University Secretary's Office

Dear Dr. Torchia;

Please find attached a revised proposal for consideration by SCIE from the Faculty of Science to modify its progression regulations. This revised submission is in response to SCIE's feedback dated October 20, 2020.

The Faculty of Science is proposing to introduce a GPA based model to assess students' academic progress versus the current F-Count model that is being used. It is proposed that these regulations be effective for all Faculty of Science students effective Fall 2021.

This proposal was approved at the Faculty of Science Council meeting on September 4, 2020.

Please contact me if you have any questions or concerns.

Sincerely,

Dr. Ben Pak Ching Li  
Associate Dean (Undergraduate Programs), Faculty of Science

## New Progression Requirements in the Faculty of Science

### Rationale

Based on data concerning the average number of credit hours students have completed before being placed on academic suspension, we realized that students who are academically weak are not receiving interventions early enough to guide them towards successful academic achievements. Students who are placed on suspension from the Faculty of Science have completed an average of 96 credit hours of coursework at the point of suspension. This high number of credit hours can be attributed to the current model of assessment, which counts the number of credit hours of Fs a student receives. In addition, students who return to the Faculty of Science after serving a suspension rarely graduate. For those who do graduate, the number of years to graduation typically exceeds 6 years, and is often much longer than that.

University 1 has recently introduced a new GPA-based progression and transit model. In this new model, students may transit to the Faculty of Science if their Adjusted GPA (AGPA) is at least 2.0 at the time of transit. The AGPA calculation is to be based on the best 24 credit hours. We feel that using GPA as a gauge for academic success is a reasonable one.

Taking the above points into consideration, the Faculty of Science is proposing to move to a GPA-based assessment model. Our main goal for developing a new assessment model is to improve our ability to identify students that are academically weak and provide them with advice and options early on in their academic career. We hope that by providing intervention early on, students can overcome academic hurdles and succeed in their chosen field of study.

### Current Assessment Strategy:

Effective September 2013, each student in the Faculty of Science is placed on academic suspension for one year, regardless if there has been evidence of improved performance, **if they have more than 36 credit hours of "F" grades.**

Following a one-year suspension, the student may return upon application to the Faculty of Science by selecting one of the following irreversible options:

(a) to continue **with no possibility of further "F" grades.** Any further "F" grades will result in academic suspension **for two years.** (Following the two-year suspension, the student may apply to the Faculty of Science to return to start afresh.)

Or

(b) **start afresh**, with their previous work not counting towards satisfying degree requirements. Students may appeal to transfer in up to 30 credit hours of coursework previously completed with a grade of "C" or better.

(In either case this does not mean that the previous coursework will be removed from the student history or transcript.)

### Disadvantages of the Current Assessment Strategy

The current assessment strategy of counting the number of failing grades is deficient in many aspects. One of the most glaring deficiencies is the inability to enforce necessary intervention earlier on if a student is struggling academically. Data from Table 1 shows students who are suspended take an average of 96 credit hours before suspension occurs. Furthermore, data from Table 2 shows that those students who return from suspension rarely graduate, and those that do, take longer than average.

### Proposed Assessment Strategy

The proposed assessment strategy will move away from the current model of using accumulated F grades. Instead, a GPA-based assessment model is being proposed as a replacement.

Upon completion of 12 credit hours, and every academic term thereafter, in which a student registers, a student's academic standing will be officially assessed. Notations will appear on students' transcripts, which reflects their academic standing. In the current model, there are no indications on the transcript that the student is in academic difficulty until a student is suspended. Additionally, there will be interventions provided to students who are "at risk" based on an academic standing of "Academic Warning" or "On Probation".

A student who has completed at least 12 credit hours but less than 24 credit hours with a DGPA of < 2.0 will receive an academic standing notation of "Academic Warning". This will be used as an indicator to students that they need to seek academic and/or advising advise while they are still in the early stages of their academic progression.

A student who has completed at least 24 credit hours with a DGPA of less than 2.0 will receive an academic standing notation of "On Probation". The student will be placed on probation.

A student with an academic standing of "Academic Warning" or "On Probation" will be required to meet with an academic advisor. The purpose of the meeting is to review the student's academic situation, discuss their academic plans, and identify on-campus and online resources that may be beneficial to the student.



**Assessment scenarios:**

<b>Credit Hours Completed</b>	<b>DGPA</b>	<b>Assessment</b>
12 credit hours and above	$\geq 2.0$	Minimum Met
12 – 23 credit hours <sup>1</sup>	$< 2.0$	Academic Warning
24+ credit hours	$< 2.0$	On Probation

Once a student is on probation (that is, the student has been assessed an academic standing of “On Probation”), the student will remain on probation until their DGPA rises to  $\geq 2.0$ . A student’s DGPA is the determining factor in categorizing a student in one of the three assessment categories. The Term GPA (TGPA) will be used for registration purposes – either a student can register for the upcoming term or will be suspended.

1. While assessed as “On Probation”, a student may register for courses. However, the student must achieve a Term GPA (TGPA) of 2.0. Achieving TGPAs of 2.0 will allow the student to continue until they have raised their DGPA above 2.0 and have cleared “probation” and they are assessed as “Minimum Met”.
2. If a student is “On Probation” and does not achieve a TGPA of 2.0, they will be assessed as “On Suspension”. The student will be required to serve a 1-year suspension. While on suspension from the Faculty of Science, students will not be eligible to register for Faculty of Science courses at the University of Manitoba. If a student completes post secondary courses elsewhere while on suspension and wishes to return to the Faculty of Science, they will be required to reapply for admission to the University of Manitoba and meet admission requirements and provide evidence that they have served their suspension (i.e. evidence that they have spent a full year away from studies).

A student returning from a first suspension, who has not taken courses elsewhere, will be required to meet with a Faculty of Science academic advisor before registration. A student will return and continue their studies; there will no longer be an option to start afresh. The student’s initial academic standing will be “On Probation” and they will be subject to the regulations explained above. That is:

- A student must achieve a 2.0 TGPA in order to continue to register until they successfully clear probation by achieving a DGPA of 2.0 or higher;
- If they don't achieve a 2.0 TGPA while on probation, they will serve a 2<sup>nd</sup> suspension for a minimum of 5 years; students who wish to return following a 5-year suspension must contact a Faculty of Science academic advisor. Upon return from a 2<sup>nd</sup> suspension, the student will have 2 options:
  - 1) to “resume studies” and continue where they left off; they will be placed “on probation” and required to meet the academic assessment standards as outlined above; or

---

<sup>1</sup> Not applicable for students who transited from U1.

2) “start afresh” with their previous work not counting towards satisfying degree requirements. A student who opts to “Start Afresh” may appeal to transfer in up to 30 credit hours of coursework previously completed with a grade of "C" or higher.

In either case this does not mean that the previous coursework will be removed from the student history or transcript.

A student who attends another post-secondary institution during their suspension will be required to reapply to the University of Manitoba, and meet the admission requirements, and provide confirmation that they have been away from post-secondary studies for the minimum period of their suspension.

We believe that a second suspension of 5 years in duration is reasonable as it will provide a student with sufficient time [away to](#) consider whether university is for them. Under the current model, students who are suspended rarely graduate (see Table 2). During the extended time away, students will have an opportunity to explore their options.

At the same time, the time away does not prevent a student from returning altogether. It does though give the student time to reflect, and build up resources, personal or academic, before returning. Coupled with the choice of resuming study or starting afresh, it gives students individualized options for their return. The student who was close to graduation at the time of suspension has the ability to resume their studies, and hopefully quickly finish their degree. For those students who decide during their time away that they want to pursue a Major or Honours degree, they have the ability to start afresh, and receive a new DGPA, which will allow them to pursue their new goals.

A flowchart of the new assessment model is given by Figure 1.

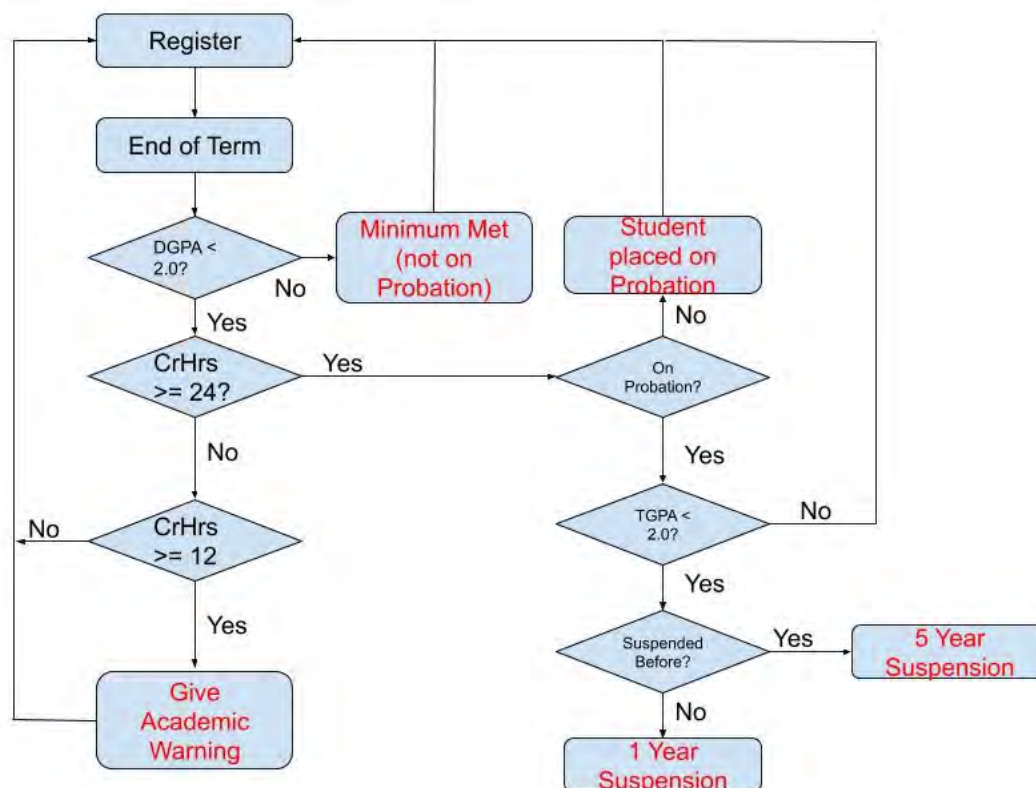


Figure 1- Flowchart of Proposed Assessment Model

## Advantages of the Proposed Assessment Model

The most important advantage of the proposed model will be that students will be assessed earlier in their academic career and if there are academic issues, these can be addressed early on. We believe that the ability to intervene as early as the completion of 12 credit hours of course work will allow the Faculty of Science to provide academic guidance and counselling to students and direct students to the appropriate resources available at the University of Manitoba. Additionally, the assessments appearing on the transcripts will alert the student to the seriousness of the situation.

## Transition Plan

Once approved, our plan is to apply the new progression model to all students in the Faculty of Science.

## Supporting Data

Data from Fall 2007 to Fall 2020 was extracted for analysis. During this period, 396 students were placed on suspension. The average # of credit hours taken before suspension was 95.3 hours with a standard

deviation of 39.0. Out of these 396 students, only 20 have graduated; taking an average of 8.38 years to complete their degree with an average degree GPA of 2.17.

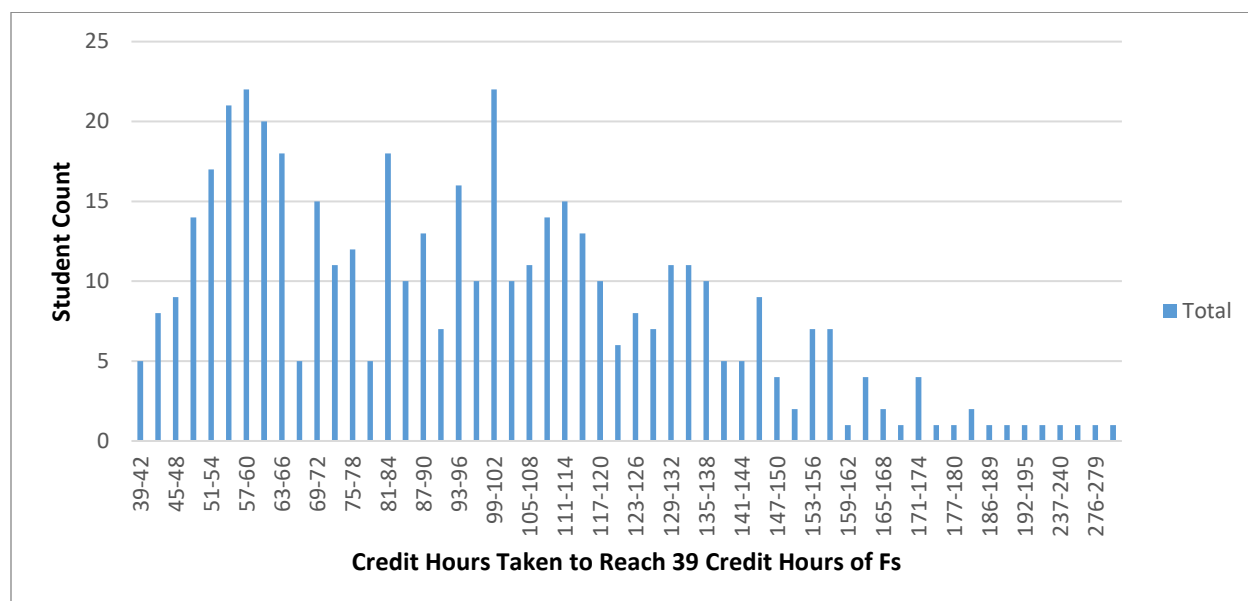


Table 1- Number of Credits Students Take to get to 39 hours of Fs

Row Labels	#students	Graduated	% Grads	yrs to Grad (avg)	DGPA average
2007	11	2	18.18	7.70	1.73
2008	35	2	5.71	6.35	2.84
2009	20	3	15.00	12.03	2.56
2010	19	1	5.26	14.70	2.26
2011	9	1	11.11	9.30	2.19
2012	14	0	0.00		
2013	9	1	11.11	7.30	1.77
2014	23	1	4.35	6.70	1.82
2015	35	5	14.29	6.82	1.99
2016	38	3	7.89	8.10	2.24
2017	39	0	0.00		
2018	63	1	1.59	7.00	1.80
2019	67	0	0.00		
2020	14	0	0.00		
<b>Grand Total</b>	<b>396</b>	<b>20</b>	<b>5.05</b>	<b>8.38</b>	<b>2.17</b>

Table 2- Count of students on Suspension by Year and Number that Ultimately Graduated

Table 1 provides a histogram of the number of credit hours taken before a student went on suspension. For many of these students, they have already accumulated a large number of credit hours before being suspended. Table 2 shows that the number of students that graduate after being suspended is very low (~ 5%) and their DGPA is barely above 2.0. We also note that students who are suspended take longer to complete a degree than the specified program lengths in the Faculty of Science. The data leads us to

conclude that once a student is suspended under the current progression framework, they have a very low probability of graduating. University resources (such as space in courses) that these students are using could otherwise be allocated to other students who are more likely to be successful.

We have also done some modelling of how many students would have been suspended if the proposed regulations were in place for the years considered (2014-2019). Table 3 provides the results.

Year	# of suspensions
2014	113
2015	154
2016	161
2017	226
2018	313
2019	296

*Table 3 - Data on # of suspensions based on proposed regulations*

We anticipate the actual number of suspensions per year will be much lower than those given in the table. The main reason for this is that U1 has introduced new transit regulations requiring students transiting into the Faculty of Science from U1 to have at least a 2.0 GPA at time of transit on their best 24 credit hours. As a result of this requirement, we expect that students entering the Faculty of Science will be more academically prepared than at present.

### Graduation while on Probation

A student who has satisfied degree requirements for their program of study and is eligible for graduation will be allowed to graduate, regardless of the status of their end-of-term assessment of academic standing. If the assessed academic standing is either “On Probation” or “On Suspension”, the notation will be removed from the final term of the student’s transcript.

### Consultations

In developing this proposal, we have consulted with Department Heads and Undergraduate Department Heads within the Faculty of Science. We held a student town-hall in February 2020 to discuss the proposed new progression model with Science students; the response was generally positive. Additionally, we have consulted with the Faculty of Arts, University 1, and the Registrar’s Office.

### Summary

Under the current progression model, there are no consequences early on if a student’s academic performance is weak. Data has shown that once a student is suspended their likelihood of graduation is very low and if they do graduate, they spend, on average, over 8 years to obtain their degree.

In conjunction with the U1 transit and progression regulations, we believe that this new progression model will be able to identify students with academic performance issues earlier and we will be able to intervene in the hopes of helping students succeed academically.

## Calendar Edit to Section 3.1

### Current Calendar Entry:

#### Academic Assessment

Effective September 2013, each student in the Faculty of Science will be placed on academic suspension for one year, regardless if there has been evidence of improved performance, if they have more than 36 credit hours of "F" grades.

Following a one year suspension, the student may return upon application to the Faculty of Science by selecting one of the following irreversible options:

(a) to continue with no possibility of further "F" grades. Any further "F" grades will result in academic suspension for two years. (Following the two year suspension, the student may apply to the Faculty of Science to return to start afresh.)

Or

(b) start afresh, with their previous work not counting towards satisfying degree requirements. Students may appeal to transfer in up to 30 credit hours of previously completed coursework with a grade of "C" or better.

(In either case this does not mean that the previous coursework will be removed from the student history or transcript.)

### Proposed Calendar Entry:

#### Academic Assessment

Effective September 2021, each student in the Faculty of Science who has completed a minimum of 12 credit hours will have their academic performance assessed at the end of each term in which they receive a final grade in a minimum of 1 credit hour.

Notations will appear on a student's transcripts based on their performance. The four categories are: **Minimum Met, Academic Warning, On Probation, On Suspension.**

Students who achieve a minimum DGPA of 2.0 at the point of assessment will receive the **Minimum Met** notation on their transcript. This indicates that the student's performance is satisfactory. This does not mean a student has satisfied the specific requirements in their program of study. Students should consult the Undergraduate Academic Calendar for the specific requirements of their program of study.

Students who do not achieve a minimum DGPA of 2.0 will be placed in one of the following assessment categories: **Academic Warning, On Probation, or On Suspension**, based on the following conditions.

- Students who have completed 12-23 credit hours at the point of assessment and have a DGPA less than 2.0 will be assessed as on **Academic Warning**.

- Students who have completed 24 credit hours or more at the point of assessment and have a DGPA less than 2.0 will be assessed as **On Probation** and will be placed on probation.
- Students currently on probation who do not achieve a minimum TGPA of 2.0, upon subsequent registrations, will be assessed as **On Suspension** and will be suspended from the Faculty of Science. The duration of the suspension along with the notation on the transcript will depend on whether this is a first or a second suspension.

A student will need to meet with an academic advisor if they receive an **Academic Warning** or **On Probation** assessment.

A student who receives an **Academic Warning** assessment will be permitted to register for classes.

A student on probation will be permitted to register for classes. At each point of assessment, their DGPA will be assessed. Once the student has achieved a DGPA of 2.0, they will be assessed as **Minimum Met** and the student will no longer be on probation.

A student on probation is permitted to register for classes, and if their DGPA is still below 2.0, they must achieve a minimum Term GPA (TGPA) of 2.0 or higher to continue to register. If a student does not achieve a minimum TGPA of 2.0 while on probation, the student will be placed on suspension. The duration of a first suspension will be 1 year and the duration of a second (or subsequent) suspension will be 5 years. The notation on the transcript will indicate **On Suspension (for 1 Year)** for a first suspension, and **On Suspension (for 5 years)** for a second suspension.

While on suspension from the Faculty of Science, a student will not be permitted to register in any courses offered by the Faculty of Science. If a student completes courses at another post-secondary institution while serving a suspension, the student will be required to reapply for admission to the University of Manitoba and meet admission requirements. In addition, the student will need to provide evidence that they have served their suspension (i.e. evidence that they have spent the duration of their suspension away from post-secondary studies). Students should consult *Section 5: Other Admission Categories* in the *Admissions* portion and *Section 3: Academic Regulations* in the *Faculty of Science* portion of the Undergraduate Academic Calendar for more details.

Students who are on academic suspension may not elect courses at another institution for credit toward a Science degree at this university.

### Returning from 1-year Suspension

If a student has intentions to return to the Faculty of Science following a 1-year suspension, the student will be required to contact a Faculty of Science academic advisor before returning.

Upon return from a 1-year suspension, a student will resume studies on probation. The student will be required to meet the requirements outlined above for students on probation. Specifically, failure to achieve a minimum TGPA of 2.0 will result in a second suspension for a duration of 5 years.

### Returning from 5-year Suspension

If a student has intentions to return to the Faculty of Science following a 5-year suspension, the student will be required to contact a Faculty of Science academic advisor before returning.

Upon return to the Faculty of Science following a 5-year suspension, the student will be given the following options:

1. **Resume Studies** – A student choosing this option will keep all previously completed coursework and their DGPA will remain the same, thus the student will be continuing on probation. A student who chooses this option must meet all the requirements of a student on probation, as outlined above. Failure to meet these requirements will result in another 5-year suspension.
2. **Start Afresh** – A student choosing this option may request to bring in up to 30 credit hours of previously completed course work in which they have achieved a “C” or better. Students in this situation will only have the

courses which they choose to use as part of their “Start Afresh” as part of their DGPA and will be assigned an initial assessment of ***Minimum Met***. A student who chooses this option will be subject to the academic assessment regulations outlined above.

In either case, this does not mean that the previous coursework will be removed from the student history or transcript.

#### **Graduation while on Probation**

A student who has satisfied degree requirements for their program of study and is eligible for graduation will be allowed to graduate, regardless of the status of their end-of-term assessment of academic standing. If the assessment category is either ***On Probation*** or ***On Suspension***, the notation will be removed from the final term of the student’s transcript.



November 16, 2020

**Report of the Senate Committee on University Research Re: Proposal to Establish the Manitoba Crop Protection Chair in Weed Management**

---

**Preamble:**

1. The terms of reference for the Senate Committee on University Research (SCUR) can be found at:  
[http://umanitoba.ca/admin/governance/governing\\_documents/governance/sen\\_committees/510.html](http://umanitoba.ca/admin/governance/governing_documents/governance/sen_committees/510.html)
2. At its meeting on November 12, 2020, SCUR received for review, a proposal to establish the Manitoba Crop Protection Chair in Weed Management.
3. The University of Manitoba Policy for Chairs and Professorships specifies (section 2.14) "In the case of proposals for Chairs and Professorships that are primarily intended to enhance the University's research programs, the Senate Committee on University Research shall recommend to Senate."

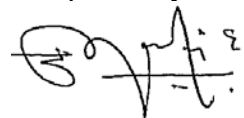
**Observations:**

1. The Faculty of Agricultural and Food Sciences has proposed the Manitoba Crop Protection Chair in Weed Management.
2. The Chair will be appointed in the Department of Plant Science for a duration of five years.
3. The purpose of the Chair is to "deliver excellence in scholarship, innovation and knowledge translation in the area of integrated weed management as it applies to Western Canadian crop and crop-livestock production systems."
4. The Chair will be funded from a \$1,340,000 investment made by the Western Grains Research Foundation (WGRF), in partnership with the Manitoba Crop Alliance (MCA), Manitoba Canola Growers (MCGA), and Manitoba Pulse and Soybean Growers (MPSG).

**Recommendation:**

**The Senate Committee on University Research recommends THAT: the Manitoba Crop Protection Chair in Weed Management be approved by Senate.**

Respectfully submitted,



Digvir Jayas, Chair  
Senate Committee on University Research.

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



Date: November 9, 2020

To: Digvir Jayas, Vice-President (Research and International)

From: Janice Ristock, Provost and Vice-President (Academic)

Re: Proposal to Create the Manitoba Crop Protection Chair in Weed Management

---

On behalf of the Faculty of Agricultural and Food Sciences, Dr. Martin Scanlon has submitted a proposal to establish the Manitoba Crop Protection Chair in Weed Management. This Chair aligns with the priorities of the Department of Plant Science, the Faculty, and the University and will support research in the area of integrated weed management as it applies to Western Canadian crop and crop-livestock production systems.

The policy on Chairs and Professorships specifies that:

- (1) Chairs are established to advance the University's academic goals and objectives;
- (2) Chairs be funded by way of an endowment or through annual expendable gifts for at least five years, or by a combination of endowment and annual expendable gifts;
- (3) Chairs shall normally be attached to a department, faculty, school, college, centre or institute and the goals of the Chair shall be consistent with that unit;
- (4) The establishment of a Chair normally shall not be tied to the appointment of a particular person;
- (5) Individuals appointed to the Chair shall normally have the academic qualifications commensurate with an appointment at the rank of Assistant Professor, Associate Professor, or Professor; and
- (6) The initial term of the appointment of the Chair shall be 3 to 5 years, and if renewal is permitted, such renewal shall be subject to a successful performance review and the availability of funds.

The proposed Chair satisfies the above requirements. Funding will be derived from a \$1,340,000 investment made by the Western Grains Research Foundation, in partnership with the Manitoba Crop Alliance, Manitoba Canola Growers, and Manitoba Pulse and Soybean Growers. There is an annual commitment of \$268,000 per year for the five year period of the Chair.

I support this proposal from the Faculty of Agricultural and Food Sciences and request that you present it to the Senate Committee on University Research for consideration and recommendation to Senate and, in turn, the Board of Governors.

If you have any questions or concerns, I would be pleased to meet with you.



October 28, 2020

Dr. Diane Hiebert-Murphy  
Vice-Provost (Academic Affairs)  
[Diane.Hiebert-Murphy@umanitoba.ca](mailto:Diane.Hiebert-Murphy@umanitoba.ca)

**Re: Proposal for the Establishment of a Manitoba Crop Protection Chair in Weed Management**

Dear Dr. Hiebert-Murphy,

The Faculty of Agricultural and Food Sciences seeks to establish a Manitoba Crop Protection Chair in Weed Management to provide leadership in research, training and knowledge transfer to advance fundamental and applied crop production field research through an integrated weed management approach. The establishment of a Manitoba Crop Protection Chair will build on key areas of research and research training strengths within the Faculty of Agricultural and Food Sciences and help us achieve our vision of being among the best crop research student training institutions in North America, recognized for its leadership in agronomy, soil science and integrated crop protection strategies (pathology, entomology and weeds).

The Chair will be appointment for five years with their time allocation being research (55%), community engagement (25%) and teaching (20%). Through focusing on weed research, knowledge exchanges and transfer, this new researcher will expand our capacity to educate and train future agronomic leaders in sustainable systems-based integrated crop protection.

This Chair will be funded through a \$1,340,000 investment from three provincial grower associations and the Western Grains Research Foundation. This funding was secured through ongoing discussions to meet capacity building needs to improve communications among and between researchers and producers in Manitoba, through more efficient research and technology transfer/extension approaches and activities to help researchers better understand producers' needs, and help producers better understand the options and value of experimentally proven systems strategies for effective crop protection.

The Faculty is committed to support this position long-term. The Faculty will continue to employ the faculty member holding the Chair position in a tenure or tenure-track faculty appointment.

The Faculty of Agricultural and Food Sciences Executive approved the Terms of Reference for the Chair on October 27, 2020, enclosed for your approval. Please let me know if you require any additional information.

Yours sincerely,

Martin Scanlon, C&G, Ph.D.  
Dean  
Faculty of Agricultural and Food Sciences



**University  
of Manitoba**

**Faculty of Agricultural  
and Food Sciences**

Department of Plant Science  
Winnipeg, Manitoba  
Canada R3T 2N2  
Telephone 204-474-8221  
Fax 204-474-7528

October 20, 2020

Dr. Martin Scanlon, Dean  
Faculty of Agricultural and Food Sciences

**Re: Proposal for the Establishment of a Manitoba Crop Protection Chair in Weed Management**

Dear Faculty of Agricultural and Food Sciences Executive,

I am pleased to bring forward a proposal to establish a new Research Chair within the Department of Plant Science. The enclosed Terms of Reference are presented requesting approval for a five-year term-limited Manitoba Crop Protection Chair in Weed Management.

This Chair will be created from a \$1,340,000 investment from the Western Grains Research Foundation (WGRF) and three provincial commodity groups: The Manitoba Pulse and Soybean Growers (MPSG) and Manitoba Canola Growers (MCGA) associations, as well as the Manitoba Wheat and Barley Growers (MWBGA) association that recently became one of four crop associations to amalgamate into a combined Manitoba Crop Alliance (MCA). The funders are supportive of this initiative and an agreement to establish and support this Chair program was recently reviewed and will soon be signed by all parties. An annual commitment of \$268,000 for 5 years from this agreement will support the salary of the Chair and a dedicated Technician, as well as operating expenses.

Attracting a new researcher to the Department of Plant Science whose research program focuses on integrated weed management, will broaden our capacity to develop crop production and weed management solutions that benefit Canadian producers. Crop research is one of the strengths for which the University of Manitoba is known and respected for. The new Chair will be an agronomist to double the weed research knowledge translation capacity in Manitoba. They will run an independent research program that complements and strengthens the crop research team within the Faculty of Agricultural and Food Sciences; they will work collaboratively with crop protection researchers including our Department's Weed Scientist, Dr. Robert Gulden, in developing comprehensive approaches to manage weeds, including the refinement of sound decision trees for cropping systems under a multitude of soil types and environmental conditions. Our Crop Protection research team will then be in an ideal position to leverage the

remaining Chair program budget through an NSERC Alliance grant to further build capacity to support trainees who will be the agronomic leaders of tomorrow. Anticipated leverage under the NSERC Alliance grant is \$1,550,000 in total.

Yours sincerely,

A handwritten signature in black ink, appearing to read 'Fouad Daayf', with a stylized flourish at the end.

Fouad Daayf  
Professor and Head  
Department of Plant Science

## **PROPOSAL TO ESTABLISH THE MANITOBA CROP PROTECTION CHAIR IN WEED MANAGEMENT AT THE UNIVERSITY OF MANITOBA**

### **EXECUTIVE SUMMARY**

Consistent with the University of Manitoba Chairs and Professorships Policy/Chairs and Professorships Procedure (effective: Jan 27, 2009; revised: November 25, 2014), the Faculty of Agricultural and Food Sciences is presenting this proposal to seek approval for the establishment of the Manitoba Crop Protection Chair in Weed Management. The Manitoba Crop Protection Chair in Weed Management will be appointed in the Department of Plant Science for a duration of five years with their annual time allocation consisting of research (55%), teaching (20%), and community engagement/service (25%).

**TYPE OF APPOINTMENT:** Chair

**NAME OF THE CHAIR:** The Manitoba Crop Protection Chair in Weed Management

### **PURPOSE AND OBJECTIVES OF THE CHAIR**

The Manitoba Crop Protection Chair in Weed Management will be a leader who delivers excellence in scholarship, innovation and knowledge translation in the area of integrated weed management as it applies to Western Canadian crop and crop-livestock production systems. The Chair will allow the Department of Plant Science and the Faculty of Agricultural and Food Sciences to:

- lead original research in developing comprehensive approaches to manage weeds, including the refinement of sound decision trees for cropping systems under a multitude of soil types and environmental conditions;
- double the capacity of weed research in Manitoba and expand on the provincial capacity to educate and train the next agronomic leaders in sustainable systems-based integrated crop protection;
- transfer knowledge about innovative risk-averse, pest-resilient cropping systems to Western Canadian crop producers, including strategies to lower input costs for pest control while maintaining productivity, profitability and sustainability.

### **RELATIONSHIP OF THE GOALS OF THE CHAIR TO THOSE OF THE PROPOSING UNIT**

The Chair will be a tenure-track position at the Assistant or Associate level in the Department of Plant Science, Faculty of Agricultural and Food Sciences. The Department of Plant Science educates diploma, undergraduate and graduate students on fundamental plant sciences and applied crop production. In addition to greenhouse and laboratory facilities, the Department utilizes the Faculty of Agricultural and Food Sciences research farms and field facilities that total more than 1,500 areas of land. The Department plays a key role in driving crop research in Western Canada, and analysis of pest control and cropping systems is part of its teaching curriculum. In the past three years (2017-19), crop researchers affiliated with the Departments of Plant Science, Soil Science, Entomology and Biosystems Engineering attracted more than 67 million dollars in research funding while also contributing to the research-training of more than 130 graduate students. In 2020, the Faculty of Agricultural and Food Sciences founded the MAKEmanitoba.ca initiative which provides a Manitoba Agricultural and food Knowledge Exchange platform to share research findings with

producers and consumers. It is expected that the Chair will play a significant role in knowledge exchange through such initiatives, in particular, as it applies to weed management in Western Canadian crop and crop-livestock production systems.

#### **METHOD BY WHICH THE CHAIR WILL BE FUNDED**

The Chair will be created from a \$1,340,000 investment made by the Western Grains Research Foundation (WGRF), in partnership with the Manitoba Crop Alliance (MCA), Manitoba Canola Growers (MCGA), and Manitoba Pulse and Soybean Growers (MPSG). In each of the five years that this investment will support the Chair, the annual commitment of \$268,000 will be used to cover the salary of the Chair, a Chair stipend of \$10,000 per annum, the salary of a dedicated Field Technician as well as research expenses such as student stipends, materials and supplies, travel and conference sponsorships. The Chair will be expected to leverage at least a portion of the industry investment by, for example, seeking additional or matching support through provincial and national funding programs.

#### **GENERAL AND SPECIFIC REQUIRED ACADEMIC QUALIFICATIONS FOR CHAIR CANDIDATES**

The Manitoba Crop Protection Chair in Weed Management shall have the following preferred qualifications:

- Academic qualifications commensurate with an appointment at the rank of Assistant or Associate Professor.
- A PhD in plant science, agronomy, soil science, geography, engineering, science, environment or related fields.
- History of excellence in research, for example as demonstrated through high quality research output; successful and promising research projects and programs; and/or other significant contributions to the academic and professional community at local, national and/or international levels.
- Evidence of commitment to the principles of Equity, Diversity and Inclusion (EDI) as it applies to high quality research output, student training and collegiality, for example as demonstrated through Allyship; Indigenization; EDI workshop engagement; EDI publications and communications.
- An ability to lead an externally-funded research program in weed science that is relevant to Western Canadian producers and has a strong knowledge-translation component, for example as evidenced by previous community engagement.
- An ability to train youth and university students on subject matters related to crop production, crop protection, agricultural innovations and technologies, and integrated weed management, for example as evidenced by previous youth and student training/mentorship provided.

#### **TERM OF THE APPOINTMENT**

A search committee for the Manitoba Crop Protection Chair in Weed Management will be appointed by the Dean and the hiring will be in accordance with the provision outlined in *Article 18. Hiring of Members* of the UM/UMFA Collective agreement.\*

*\*The UM-UMFA Collective Agreement article 18.B.2.2.6 stipulates that: “There shall be at least two (2) persons of each gender on the committee wherever possible although there shall always be at least one (1) person of each gender, exclusive of any student participation.” We will adhere to this article that refers “each gender” to mean a man or woman; however, we also acknowledge that there are other gender identities that can be appointed to serve as search committee members despite not being acknowledged in article 18.*

The Manitoba Crop Protection Chair in Weed Management will be conferred for a five-year term. If the Chair position is vacated before the five-year term is complete, the tenure-track position will be refilled at the rank of Assistant or Associate Professor and the replacement hire will be appointed Chair for the remaining duration of the five-year term.

The performance of the Chair will be reviewed annually by a proposed Advisory Committee consisting of the Faculty’s Associate Dean Research and representatives from the Department of Plant Science, WGRF, MCA, MCGA and MPSG. The review is to provide formative feedback and the continuance of the position is not conditional on an annual (positive) review by the Advisory Committee. Both quantitative and qualitative measurements will be used in evaluating the progress of the Chair on an annual basis, for example: the number and impact of research publications and communications; the extent to which western Canadian producers directly or indirectly interacted with the Chair program, and their satisfaction in this interaction; the number and diversity of students trained under the Chair, and their employment and career progress following graduation; the value of new research grants and contracts obtained by the Chair as a lead, co-applicant or collaborator; the extent to which the Chair has integrated EDI practices in their program.

Upon completion of the Funders’ investment as stipulated in the Agreement, the Faculty of Agricultural and Food Sciences will resume the salary and benefits associated with the established academic position without the position being classified as a Chair.

#### **OTHER PROVISIONS UNIQUE TO THE CHAIR**

- 1) The selection and appointment of an individual to the proposed Chair, and the duties and responsibilities of the Chair, will be in accordance with the University Policy and Procedure on Chairs and Professorships.
- 2) The Chair will have the following assigned distribution of work duties: research (55%), teaching (20%), and community engagement/service (25%).
- 3) In accordance with University Policy, the annual performance of the appointed Chair will also be reviewed by the Department Head of Plant Science in a similar manner as for other faculty members but with the distribution of work duties being research (55%), teaching (20%), and community engagement/service (25%).
- 4) The Chair will acknowledge in research publications and communications that they hold The Manitoba Crop Protection Chair in Weed Management, as supported by WGRF, MCA, MCGA, and MPSG.



THE SENATE COMMITTEE ON UNIVERSITY RESEARCH  
ON THE ESTABLISHMENT OF THE  
***EARTH MATERIALS AND ARCHAEOMETRY CENTRE***

**Preamble:**

1. The Policy for *Research Centres, Institutes and Groups*, stipulates that all new research Centres/Institutes are to be reviewed by the Senate Committee on University Research (SCUR) prior to being transmitted to the Senate Planning and Priorities Committee and to Senate, in order to be established by the Board of Governors.
2. The Senate Committee on University Research established a review sub-committee for each new Centre/Institute proposed. In accordance with the Policy, the task of each sub-committee was to review the proposal to determine if the Centre/Institute should be established. The Committee was further charged with recommending to SCUR the establishment of the Centre/Institute.

**Observations:**

1. The review process followed that which is outlined in sections 2.3 and 2.4 of the Policy *Research Centres, Institutes and Groups*. The following was noted:

a) Name of Research Centre/Institute: Earth Materials and Archaeometry Centre

b) Description and Justification:

i) Mission and Objectives:

**The mission** of EMAC is to foster research focusing on societal needs (convergence science) within the University and the greater scientific community. **The main objective** of EMAC is to facilitate the characterization of Earth materials, including archaeological contexts and recovered artifacts, and provide students and researchers access to a broad range of sophisticated equipment and expertise.

ii) Scope of Activities:

The center will give students and researchers the opportunity to investigate complex Earth and social systems, the history of human-environment interactions, and contribute to capacity to build better predictive models of human impacts on Earth Systems. EMAC will encourage students and researchers to quantitatively analyze Earth materials obtained from the atmosphere, biosphere, hydrosphere and geosphere, the context of archaeological sites, and archaeologically recovered artifacts. Focus will be on establishing research techniques in Earth (e.g., rocks, minerals), environmental (e.g., gasses, vegetation, fluids, botanical and fossilized animal remains) and archaeological artifact sample analysis, combining isotopic, trace and major element chemistry, and imaging of Earth, bioarchaeological and archaeological materials. The EMAC archaeometry node includes focus on incorporating perspectives from Indigenous knowledge. EMAC activities will complement the Center for Earth Observation Science (focus on Arctic marine

systems and the cryosphere) and the Manitoba Institute for Materials (focus on engineered materials).

iii) Description of research benefits and opportunities:

The mission and objective of EMAC fit with the University's strategic research plan of materials analysis and Indigenous knowledge. EMAC will promote convergence of individual labs (e.g., BDIAL-Bioanthropology Digital Image Analysis Laboratory) and facilities (e.g., MIRF-Manitoba Isotope Research Facility), to enhance student and researcher capacity to analyze their samples using different techniques, and maximize data and insight. EMAC will foster multidisciplinary and collaborative research between different expert groups, including anthropologists, geologists, hydrologists, paleontologists, and soil and atmospheric scientists.

Constitution:

i) Organizational Structure:

A Director will be responsible for overall operation of the center, and will report to the Dean of the Director's faculty. EMAC includes three lab-based facilities (Environmental Nano-Geoscience Facility; Micro-beam and Isotope Research Facility; and, Archaeometry Facility) each led by an Associate Director (responsible for day-to-day operation) who will report to the Director, and who form the core membership for EMAC. Each facility is maintained and instruments in each operated by technical staff who report to their respective ADs. An Oversight Committee will be comprised of external members from other departments of UofM and external institutions.

ii) Categories of Membership:

a) "Core" = Director and Ads, b) Technical staff associated with each facility, c) Students (with faculty affiliated with EMAC), d) Faculty and Research staff (U of Manitoba), and e) Affiliates (government and industry collaborators)

iii) Procedures for Appointments:

Approval of all members (except students) by Oversight Committee, based on biographical sketch/ abbreviated CV, and a statement of interest. The Director and AD's will be appointed to a renewable 5-year term.

iv) Responsibilities of Membership:

Chiefly engagement. Members have priority on EMAC instrumentation but pay a user fee at an internal UofM rate. Members expected to facilitate sharing of resources and personnel as needed.

a) Management:

Report to Dean of Director's faculty.

b) Proposed Membership:

Mostafa Fayek (Geological Sciences, Riddell Faculty of Environment, Earth and Resources), will be Director. ADs will be Michael Schindler, Kirstin Brink, Norman Halden, Alfredo Camacho, Julia Gamble, and Kent Fowler. Five technical staff are included. Student membership is fluid based on association with faculty members (no number provided). Four other UofM Faculty/Research members, and three Affiliate members including industry (Havilah Resources), and two others of un-specified sectors (one is perhaps provincial government (MGS)).

c) Physical Resources:

Long list of specialized/state-of-art equipment, some that is used extensively and generate significant user fees. A number of items are aging and require significant upgrade or replacement, however all also seem to have technical staff to maintain research readiness for the foreseeable future. A future CFI proposal will be required to replace major equipment, but smaller and individual upgrades/replacement may be achieved via NSERC RTI and/or UofM SREF competitions.

d) Financial Resources:

The annual total income EMAC is \$299,000, considered a minimum estimate based on secured (\$104,000 NSERC Discovery to three core members) and projected (\$195,000) user fees/revenue. These funds will cover the cost of instrument operation and maintenance, and one technician.

e) Statements of Support and Commitment

Letters of support were included from Dr. Norman Halden (Clayton H. Riddell Faculty of Environment, Earth, and Resources), Dr. Heidi Marx (Faculty of Arts), Dr. Derek Johnson (Department of Anthropology), and Dr. Alfredo Camacho (Department of Geological Sciences)

2. The membership of the sub-committee was as follows:

- Dr. Stefi Baum, Faculty of Science (Chair)
- Dr. Andrew Halayko, Rady Faculty of Health Sciences
- Dr. Clea Schmidt, Faculty of Education

3. The assessment of the sub-committee was as follows:

The proposal to develop EMAC is rooted in consolidating and streamlining research technologies in Earth Systems. As presented, it would appear that the pieces and players are in place to launch this initiative as a core resource for researchers in this area. Overall, the intent of this proposal is laudable, important and has potential to create a unique brand of expertise for UofM. As noted in the proposal, EMAC will complement and support UofM strategic priorities in climate research and Indigenous knowledge. The Mission and Objectives of EMAC are compelling in that they meet growing public awareness of climate change, and the impact of misuse of earth's resources, and a greater appreciation/desire for focus on the efficient recovery of metals and commodities, and a lower environmental footprint. There is a strong case made that a Centre with this focus can align with, and have mutual benefit with provincial and federal regulatory agencies for mineral resource extraction and environmental resource management. A need for this work is high, as

understanding how changing technologies affect Earth Systems and how demands will impact future generations is critical to effective stewardship strategies.

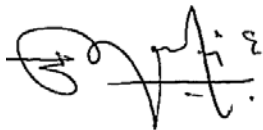
The key pillar of this proposal is that it aims to consolidate technological capabilities under one umbrella in an effort to streamline and integrate research of multiple members in two faculties and departments. This is a strength. Moreover, overall this Centre will be quite self-sufficient from a research operations perspective. At the request of SCUR, the proposal was further developed to elaborate on the scholarly activities that will underpin greater interactions within the UofM or across sectors. They also expanded the proposal to include a branding strategy for enabling engagement throughout the university and beyond. The activities outlined demonstrate an active plan to establish new interdisciplinary discourse, research and productivity.

There are letters of support from Dean of Clayton H. Riddell Faculty of Environment, Earth, and Resources, Associate Dean Research Faculty of Arts, Department of Anthropology, and Department of Geological Sciences. The letters are all supportive of the interdisciplinary research of EMAC involving faculties and departments, and the scholarly activities that may arise, including potential for substantive infrastructure award applications. The centre will promote synergy between members of these units, and should create a unique earth systems research collective. No direct financial investment in the centre is indicated in these letters.

**Recommendation:**

**THAT the *Earth Materials and Archaeometry Centre* be established for a term of 5 years, from November 4, 2020 through November 3, 2025.**

Respectfully submitted,



Dr. Digvir Jayas, Chair  
Senate Committee on University Research

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

## **Report of the Senate Planning and Priorities Committee on a Proposal to Establish the Earth Materials and Archaeometry Centre**

---

### **Preamble:**

1. The [terms of reference](#) of the Senate Planning and Priorities Committee (SPPC), which are found on the University Governance website, charge SPPC with making recommendations to Senate regarding any such studies, proposals or reports that it may initiate within itself, have referred to it by Senate, other Councils, Committees or Bodies, formal or otherwise.
2. The process for approving research institutes set out in section 2.1 of the procedure for [Research Centres, Institutes, and Groups](#) specifies the authority to establish research institutes resides with the Board of Governors, normally on the recommendation of Senate. Proposals for research institutes are transmitted from SCUR to the Chair of the SPPC to determine if SPPC review is required, and to Senate through its Executive Committee.
3. At its meeting on October 26, 2020, the SPPC considered a proposal from the Clayton H. Riddell Faculty of Environment, Earth, and Resources and the Faculty of Arts, to establish the Earth Materials and Archaeometry Centre.

### **Observations:**

1. The Centre's mission would be to foster research focusing on societal needs (convergence science) within the University and the broader scientific community.
2. The main objectives of the Centre would be to facilitate the characterization of Earth materials, including archaeological contexts and recovered artifacts, and to provide students and researchers with access to a broad range of expertise and sophisticated analytical equipment. In so doing, the Centre would support holistic investigations of complex Earth and social systems, the history of human-environment interactions, and the development of predictive models of human impacts on Earth systems and sustainable models for resource extraction and environmental stewardship.
3. Establishment of the Centre would facilitate and promote interdisciplinary research and team science through the convergence of research currently carried out in several research laboratories and facilities that would be reorganized into three facilities, including the Environmental Nano-Geoscience Facility, Micro-beam and Isotope Research Facility, and Archaeometry Facility, each with at least one Associate Director.
4. The Associate Directors of the research facilities would report to a Director, who would have responsibility for the operation of the Centre and who would report to the Dean of their faculty (i.e., Environment, Earth, and Resources or Arts). The Director and Associate Directors, each of whom would be appointed for a five-year term, would comprise the core members of the Centre. Together with one technical staff member and one additional member, they would also form the oversight committee.
5. Membership categories would include core members, technical staff, students, faculty and research staff members from the University, and affiliate members and collaborators, who would be individuals from government and industry working with University faculty and research staff members.

6. In the first five years, the Centre would have a minimum budget of \$299,000 (estimated), including \$104,000 in NSERC Discovery Grants awarded to core members and projected revenues of \$195,000 from fees charged by the laboratories for use of analytical equipment and facilities, as described in Table 2 in the attached proposal.  
The revenue would be used to fund one technical support staff position and to cover costs associated with the operation and maintenance of analytical equipment and facilities in the three constituent facilities.
7. As the Centre would be established through the amalgamation of several existing facilities, it would have the physical resources required at the outset, including space and analytical equipment enumerated in Table 1 of the proposal.

### **Recommendation**

The Senate Planning and Priorities Committee recommends:

**THAT Senate recommend that the Board of Governors approve the establishment of the Earth Materials and Archaeometry Centre, for a five-year term. The Senate Planning and Priorities Committee recommends that the Vice-President (Research and International) not implement this Institute until satisfied that there would be sufficient existing space and sufficient existing resources.**

Respectfully submitted,

Professor David Watt, Chair  
Senate Planning and Priorities Committee



Clayton H. Riddell  
Faculty of Environment, Earth,  
And Resources

440 Wallace Building  
Winnipeg, Manitoba  
Canada R3T 2N2  
General Office (204) 474-7252  
Fax: 275-3147

Dr. Digvir Jayas  
Chair, Senate Committee on University Research  
Office of the Vice-President (Research and International)  
202 Administration Building  
January 6, 2020

Dear Dr. Jayas:

The proposal to establish an, “**EARTH MATERIALS AND ARCHAEOLOGY CENTER (EMAC)**”, brings together researchers from the faculties of Arts and the Clayton H. Riddell faculty of Environment, Earth and Resources, University of Manitoba, with complementary background and expertise including mineralogy, isotope geochemistry, sedimentology, paleontology and archaeology. The proposed research will include graduate and undergraduate students, technical staff and faculty members from a number of departments.

The overall **goal** of the proposal is to foster research focusing on societal needs (convergence science) within the University and the greater scientific community. There is little doubt that Earth’s rising population and changing technologies place significant demands on Earth Systems. Understanding how these demands will impact future generations is critical to the stewardship strategies of Earth’s resources. To be able to develop predictive models and strategies related to resource management, we need to examine how past approaches to resource extraction and changes in climate affected societies and communities (e.g., changes in trade systems due to changes in climate and ancient technology development). The main **objective** of EMAC is to facilitate the characterization of Earth materials, including archaeological contexts and recovered artifacts, and provide students and researchers access to a broad range of sophisticated equipment and expertise. The center will give students and researchers the opportunity to holistically investigate complex Earth and social systems, the history of human-environment interactions, and develop sustainable models for resource extraction and environmental stewardship. The Earth Materials and Archaeometry Center will complement the Center for Earth Observation Science (CEOS), which primarily focuses on Arctic marine systems and the cryosphere, and the Manitoba Institute for Materials (MIM), which primarily focuses on engineered materials. The mission and objective of EMAC fits with the University’s strategic research plan of materials analysis and Indigenous knowledge.

Thank you for your consideration and we look forward to working on developing this exciting new center.

Sincerely,

Dr. Norman Halden  
Dean

## **(a) EARTH MATERIALS AND ARCHAEOMETRY CENTER (EMAC)**

### **(b) Description and Justification**

- (i) ***Mission and Objectives*** The Earth Materials and Archaeometry Center's **mission** is to foster research focusing on societal needs (convergence science) within the University and the greater scientific community. In an era where climate change awareness has resulted in a heightened focus on the efficient recovery of metals and commodities, and a lower environmental footprint, the public is demanding greater corporate social responsibility (e.g., archaeological assessment prior to project construction). Provincial and federal regulatory agencies are aware of the benefits associated with scientific research and technology development, because improved resource extraction techniques can offer industry effective and less costly methods for complying with the regulations associated with resource extraction. Mineral resource extraction and environmental resource management are often seen as competing interests. With burgeoning demands for rare metals, such as cobalt (Co) and lithium (Li) for cell phones and electric vehicles, economic development techniques for sustainable resource extraction need to be developed and validated. There is little doubt that Earth's rising population and changing technologies place significant demands on Earth Systems. Understanding how these demands will impact future generations is critical to the stewardship strategies of Earth's resources. To be able to develop predictive models and strategies related to resource management, we need to examine how past approaches to resource extraction and changes in climate affected societies and communities (e.g., changes in trade systems due to changes in climate and ancient technology development). The main **objective** of EMAC is to facilitate the characterization of Earth materials, including archaeological contexts and recovered artifacts, and provide students and researchers access to a broad range of sophisticated equipment and expertise. The center will give students and researchers the opportunity to holistically investigate complex Earth and social systems, the history of human-environment interactions, and develop sustainable models for resource extraction and environmental stewardship. The Earth Materials and Archaeometry Center will complement the Center for Earth Observation Science (CEOS), which primarily focuses on Arctic marine systems and the cryosphere, and the Manitoba Institute for Materials (MIM), which primarily focuses on engineered materials. The archaeometry node (the application of scientific techniques to the analysis of archaeological materials) of the center provides us with a human historical framework of biological and cultural processes to understand human-environment interactions and to build better predictive models of human impacts on Earth Systems. This node will also allow us to incorporate perspectives from Indigenous knowledge, which is critical to the development of a truly convergence science center. Therefore, the mission and objective of EMAC fits with the University's strategic research plan of materials analysis and Indigenous knowledge.
- (ii) ***Scope*** The Earth Materials and Archaeometry Center will encourage students and researchers to quantitatively analyze Earth materials obtained from the atmosphere, biosphere, hydrosphere and geosphere, the context of archaeological sites, and archaeologically recovered artifacts. The center will focus on establishing techniques at the forefront of research in the areas of Earth (e.g., rocks, minerals), environmental (e.g., gasses, vegetation, fluids, botanical and fossilized animal remains) and archaeological artifact sample analysis. Quantitative analysis will combine isotopic, trace and major element chemistry, and imaging of Earth, bioarchaeological and archaeological materials.



- (iii) **Research benefits** Currently, we are a collective of individual labs (e.g., BDIAL-Bioanthropology Digital Image Analysis Laboratory) and facilities (e.g., MIRF-Micro-beam and Isotope Research Facility). The Earth Materials and Archaeometry Center will promote convergence research by allowing students and researchers to move seamlessly between labs, analyzing their samples using different techniques to maximize the amount of information from their sample sets. This approach will foster multidisciplinary and collaborative research between, for example, anthropologists, geologists, hydrologists, paleontologists, and soil and atmospheric scientists seeking to understand the complex interrelationships among the different components of our planet. The convergence research that will be enabled by EMAC will show how these zones respond to climate change in deep time and more in the context of recent anthropogenic activity. In addition, EMAC will aid in student recruitment and retention. Apart from faculty recruitment and retention, EMAC can aid individual researchers and departments in recruiting students by promoting the facilities, research opportunities, and collaborative research being conducted under the Centre's umbrella. This highlights to students the preceding advantages of having the Centre.
- (iv) **Student benefits** (1) To facilitate and cultivate scientific collaboration and promote interdisciplinary and team science. Some research requires a small group of researchers, graduate students, post-docs, and technicians conducting hypothesis-driven experiments at the lab bench. Other work requires tremendous resources, both in terms of expertise and in terms of equipment, to produce exceptional research. EMAC offers a structure to facilitate and support small and large projects, exposing students to scalable research strategies and an understanding of how individual research projects integrate with larger-scale research programs. Such an environment rewards leaders who embrace a collaborative point of view and fosters a culture that frowns upon empire building. (2) To secure research resources and provide research support. One objective of EMAC is to leverage existing research expertise, equipment, and professional services to obtain funding for research resources and infrastructure in support of individual, group and large team projects. Students will be involved in an efficient mechanism for gaining research support and training in technical research methods as well as experiencing the intangible benefits of access to a range of expertise, ideas, and suggestions for new and cutting-edge research directions. (3) To offer a sense of community and promote continued learning. Seminars, workshops and short courses will bring people together and serve a catalytic function that departments do not always or necessarily serve. For students, the centre is a vehicle for a community of researchers that will foster interdisciplinary interests and knowledge. Additionally, these activities allow students to hone their burgeoning expertise and begin to think and speak about complex issues and problems to others outside of their own discipline. (4) Organizational flexibility. The center will have faculty with diverse expertise. This diversity will allow researchers to respond and adapt to new opportunities and situations more quickly than conventional academic structures. Students will be exposed to and involved in responses to new funding opportunities, proposals, or pressing scientific and societal needs. (5) Focus on societal problems and scientific challenges. The mission of EMAC is to foster convergence science. This recognizes research driven to meet fundamental science problems and pressing social challenges by integrating truly different intellectual approaches. EMAC is a response to a drive for intellectuals who want to tackle hard problems, complex problems, that are important to human societies and how science is done. Students working in such an intellectual environment will inevitably be exposed to how convergence is applicable to basic science discovery, translational application,

industry and entrepreneurship. The centre will inspire them to think about science in new ways, and to bridge theory and practice in tackling complex problems.

**(c) Constitution**

- (i) **Organizational Structure** The center will be led by a Director and the existing labs will be reorganized into three facilities (Fig. 1). The Director will be responsible for the equitable and inclusive operation of the center, will have final say over any potential issues, and will report to the University officer. Each facility will be presided by at least one Associate Director (AD) who will report to the Director. The ADs will form the core membership for the center, and will be responsible for the day-to-day operation of the facilities. Technical support assigned to each facility are responsible for the maintenance and operation of the instruments and report to their respective ADs.
- (ii) **Membership:** Membership categories will be:
  - a. Core members will include the Director, ADs
  - b. Technical staff members associated with each facility within the center.
  - c. Student membership:
    - i. if students are taking advantage of (1) core facilities and (2) are involved in the center's events, they can be considered for membership. Student involvement in Centre activities will not be restricted to students whose advisors are part of the Centre. Student membership will be determined based on student interests and research alignment with the Centre's objectives.
    - ii. Students whose advisor is part of the Centre will be invited to Centre activities and events, but involvement is voluntary. A student may freely choose to be involved or not, with no negative repercussions if they choose not to be involved.
    - iii. Students can equally be as involved as they wish to be – depending on what fits their needs.
  - d. Faculty and Research staff members will be Professors and Researchers at the University of Manitoba
  - e. Affiliate members and collaborators will be individuals from government and industry working with Faculty and Research staff members

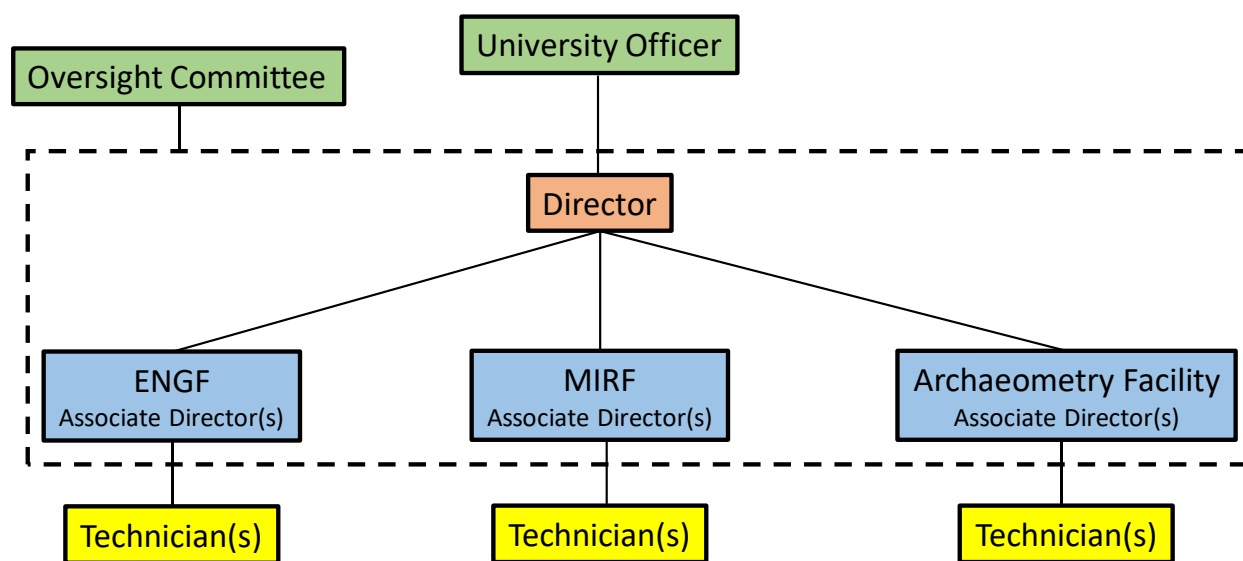


Figure 1. EMAC organizational chart. Abbreviation(s) ENGF= Environmental Nano-Geoscience Facility; MIRF= Micro-beam and Isotope Research Facility

- (iii) **Appointment procedures** All member appointments will be approved by the oversight committee. Individuals wishing to join the center will be required to submit a short biographical sketch or abbreviated CV and a statement of interest. Student members will be exempt from this procedure. The Director and AD's will be appointed to a renewable 5-year term. There are no term limits for other non-student members.
- (iv) **Privileges and Responsibilities** Members of EMAC will be given priority on the instrumentation and member PIs will be charged the internal University of Manitoba rate for instrument time. The development of EMAC will facilitate the sharing of resources and assignment of personnel as the need arises.
- (v) **Branding and Promotion** An EMAC website will be constructed to convey our mission and objectives, promote available facilities, advertise opportunities, and highlight recent research activities. The website will be considered when planning the Faculty's Next Generation Web Experience (NGWE) migration, which has recently begun and is scheduled to launch in mid-fall of 2020. Potential new and affiliate members will find information on how to apply and contact details for ADs. A social media account (e.g., Twitter) will be used to promote EMAC research and facilities. A technician will be assigned to manage and update the website and social media account(s).
- (d) **Management** The University officer for EMAC will be the Dean of the Director's faculty. The Director and ADs will also report to the **Oversight committee**. Members of this committee will be Lea Stirling (U of M, Classics Dept.), Mark Lawall (U of M, Classics Dept.), Meghan Burchell (MUN, Dept. Archaeology), Ali K. Somarin (Brandon U, Dept. Geological Sci.), A. Hamid Mumin (Brandon U, Dept. Geological Sci.), Eric Potter (Geological Survey of Canada).
- (i) **Monthly meetings:** Meetings between the AD's and the Director will be monthly or can be called by any AD/Director to take advantage of funding opportunities that may arise. These

meetings will include all ADs and the Director, and affiliate members as required. Meetings will include updates from each node, new business and matters that require a vote.

- (ii) **Bi-annual general meetings:** General meetings will include all members of the center. These meetings will be held twice per year or as needed to go over topics such as respectful workplace environment, safety issues, and funding or news that may impact the center.
- (iii) **Yearly meetings:** Yearly meetings will be held with the oversight committee, the Director and the ADs. These meetings will provide updates to the oversight committee and provide an opportunity for the oversight committee to provide feedback.
- (iv) **Yearly open house:** We will organize a yearly open house, where we will invite the greater University community, and alumni and external users of the center to presentations given by students and researchers from the center. Presentations will be in the form of posters and talks. We will invite the VP research to award best student presentations and posters.
- (v) **Presentations:** A seminar series for the center will be established with a scheduled presentation every month. Seminars will include invited guest speakers, undergraduate, graduate and faculty presentations. Additional seminars may be organized when special guest speakers are invited. An AD with the help of a technician will organize the seminar series, making sure there is balance between geoscience and archaeometry presentations. This seminar series will allow researchers and students to share new ideas and promote their science.
- (vi) **Other meetings:** We will promote convergence science via a “journal club” that will be focused on broad picture research, current news topics, cutting edge research, and teaching and public policy debate in core areas of concern. These areas may include resource extraction and use, human-environment interaction, how changes in climate affected and currently affect societies and communities, and developing sustainable models for resource extraction and environmental stewardship through improved mineral resource extraction and environmental resource management techniques and practices. In addition, we will organize informal coffee gatherings and other social events to allow free, informal discourse between members of EMAC (e.g., between students and faculty).
- (vii) **Interdisciplinary and cross-listed courses:** Graduate and senior undergraduate courses will be developed that are interdisciplinary and can be cross-listed among units where faculty are members of the EMAC. Current course development includes: (1) a geochronology course for archaeologists and geologists, and (2) a geo/archeo-tourism course that involves faculty members from Anthropology, Geology, and Environment and Geography.
- (viii) **Outreach** The Earth Materials and Archaeometry Centre (EMAC) will be advertised and promoted to the broader U of M community, scientific community, potential external partners, Middle and Senior Year educational institutions, as well as to the general public through an interactive website and social media (Instagram) platform, other platforms such as Arctic Science days. The website will be considered when planning the Faculty’s Next Generation Web Experience (NGWE) migration, which has recently begun and is scheduled to launch in mid-fall of 2020. Using these platforms, we will be able to showcase the world class facilities at EMAC, and attract and engage with potential students and partners.

### ***1. Outreach Content:***

- “Stories from the Lab & Field”

- Highlighting an EMAC member's field work
- Highlighting high-profile lab-based research at the EMAC
- **Student Research Profiles**
  - Every month a student's research will be highlighted on the EMAC website and social media (Instagram) platforms
- **In the Press**
  - Stories highlighting recent scientific publications as well as stories about the EMAC in the media
    - We will also make use of the opportunities available through the Marketing Communications Office (Research Life, UM Today, etc.) to create more “buzz” around the Centre.
- **Teacher Resources**
  - Lesson plans and lab activities developed by EMAC members and posted on the EMAC website for science teachers to use as resources in their classrooms at the High School level

## **2. Outreach Activities:**

- **Education Programs**
  - Day Camps directed at Middle School Students (already have interest from Vice Principle at H.C. Avery), and a Mini-U camp directed at grade school students
    - Developed to connect scientific research to science education through simulated lab and field experiences
    - Introduce teachers to programs and resources related to Earth and Atmospheric Sciences, Environmental Chemistry, Biology, and Archaeology
    - Activities will include:
      - Fossil and artifact excavation practices and techniques, sample collection and documentation
      - Water and soil sample collection, preparation, and testing
      - Best lab practices and how scientists use the scientific method to test hypotheses
      - Characterization of natural samples using x-ray and electron microscopy technologies
- **High School Co-op Program**
  - Potential for High School students to use this opportunity towards their volunteer credit for graduation in the Province of Manitoba
  - Offers hands on learning in a lab-based setting
  - Bridging the transition between High School and University
    - Potential to attract prospective students to the University of Manitoba and future summer undergraduate interns
- **Summer Internships for Undergraduate Students**
  - Attract internal and external students
  - Offer students the opportunity to gain hands-on invaluable experience working in a lab environment and facilitate the networking aspect of their skillset by offering access to researchers and mentors in their field of interest within the EMAC structure
  - Research Seminars

- Conference style presentations where staff and students can present their research, facilitating collaborations and enriching the student experience
- Invite guest speakers
- **Open Houses**
  - Organize lab tours of the facilities for the general public
    - Tours will be promoted via website and social media platforms
    - Invites will be sent out to EMAC and University of Manitoba Alumni
- **Field Trips**
  - Tours of the facilities and local field areas for high school students (already have interest from teachers from West Kildonan High school)
  - Invite other universities such as the University of Winnipeg and Brandon University

#### (e) Proposed Membership

- (i) **Core members:** Mostafa Fayek (Director), Michael Schindler (AD, ENGF), Kirstin Brink (AD, ENGF), Alfredo Camacho (AD, MIRF), Haskell J. Greenfield (AD, Archaeometry Facility) and Kent Fowler (AD, Archaeometry Facility),
  - (ii) **Technical staff members:** Mark Cooper (ENGf), Panseok Yang (MIRF), Misuk Yun (MIRF), Ryan Sharpe (MIRF) and Brandi Shabaga (MIRF),
  - (iii) **Student members:** numerous and TBA
  - (iv) **Faculty and research staff members:** Stefanie Brueckner, Julia Gamble, Paul Durkin, Robert Hoppa,
  - (v) **Affiliate members:** Scott Anderson (VP Exploration – 1911 Gold Corp.), Christian Bohm (Geologists - Manitoba Geologic Survey), Julia Brown (Senior Research Scientist-Canadian Nuclear Safety Commission). Affiliate members will have the opportunity to co-supervise graduate and undergraduate students, and be on graduate student committees.
- (f) **Physical Resources** Table 1 shows the list of equipment and where they fit within the organization structure of EMAC. We will replace the aging equipment with state-of-the-art equipment, and new and novel instrumentation through a major CFI proposal when the next call is announced. Small upgrades will be sought through NSERC's Research Tools and Instrumentation (RTI) and the University of Manitoba's SREF.

**Table 1. List of equipment and their strengths and weaknesses**

Facility	Instrument	Strength and Weakness
MIRF	Electron Microprobe (EMP)	High revenue producer, ~20 years old, down time increasing
MIRF	Scanning Electron Microscope (SEM)	Installed in 2015, resolution is good
MIRF	Inductively Coupled Plasma Mass Spectrometer (ICP-MS)	High revenue producer, ~20 years old

MIRF	Secondary Ion Mass Spectrometer (SIMS)	High revenue producer, ~14 years old, recent new software upgrade
MIRF	two gas source mass spectrometers and peripherals	High revenue producer, ~14 years old
MIRF	Ring-down water isotope analyzer	Operational, purchased in 2014
MIRF	Two wet chemistry and small instrument labs	Operational and used by a number of researchers and students.
MIRF	Ar-Ar facility (mass spectrometer, extraction line and 2 lasers)	High revenue producer, installed 2014
ENGF	Powder XRD	Revenue producer, ~30 years old
ENGF	FTIR	Installed 2010
ENGF	Single crystal diffractometer	Installed 2010
Archaeometry Facility	Buehler thin sectioning suite: Petro-thin thin sectioning system, Metaserve 2000 grinder/polisher, Minimet 1000 grinder/polisher, Isomet 1000 precision saw, ceramic miter saw, ceramic table saw	Operational used by a number of researchers and students
Archaeometry Facility	Imaging suite: NextEngine 3D scanner, Dimension SST 1200es 3D printer, Faxitron Cabinet x-ray with NT3 EZ 240 digital x-ray scanner; Olympus BX51 Microscope with motorized stage and camera;	Operational and used by a number of researchers and students
Archaeometry Facility	HP Pro3 structured light 3D scanner	Acquired 2018; operational and used by researchers and students in coursework and research projects
Archaeometry Facility	Olympus LEXT OLS4000 with Olympus LEXT imaging software	Acquired 2012; operational and used by researchers and students in coursework and research projects.
Archaeometry Facility	MIMICS Medical Imaging software for CT analysis	operational and used by researchers and students in coursework and research projects.

Archaeometry Facility	Cambridge SEM	Acquired 1985; operational and used by researchers and students in coursework and research projects.
-----------------------	---------------	--

**(g) Financial Resources** Table 2 shows the current financial resources available to EMAC. We propose to apply to a new CFI program that will fund “core facilities”.

Table 2. Financial Resources for EMAC

<b>EMAC core member</b>	<b>Funding organization</b>	<b>Amount per year (\$)*</b>
Mostafa Fayek	NSERC Discovery	43,000
Alfredo Camacho	NSERC Discovery	25,000
Michael Schindler	NSERC Discovery	36,000
<b>Laboratory</b>		<b>Income**</b>
Electron Microprobe		20,000
ICP-MS		30,000
SIMS		30,000
Stable isotopes		40,000
X-ray		\$5,000
Ar/Ar		\$70,000
<b>Total:</b>		<b>\$299,000/year***</b>

\*These funds are secured and guaranteed over the next 5 years. Additional funding will come from Alliance grants with funding partners.

\*\*These are conservative estimates based on the average income over the past 5 years.

\*\*\*This total income per year for EMAC is a minimum estimate and will likely be higher in future years. It covers the cost of operation and maintenance of the instruments and funds one soft-money technician.





**University  
of Manitoba**

Clayton H. Riddell Faculty of  
Environment, Earth, and Resources

440 Wallace Building  
Winnipeg, Manitoba  
Canada R3T 2N2  
General Office (204) 474-7252  
Fax: 275-3147

December 13<sup>th</sup>, 2019

To: Dr. Digvir Jayas, Vice President (Research and International)  
Chair, Senate Committee on University Research  
From: Dr. N.M. Halden, Dean  
Re: Riddell Faculty Support for Proposed Earth Materials and  
Archaeometry Centre (EMAC).

The Riddell Faculty supports the proposed EARTH MATERIALS AND ARCHAEOMETRY CENTER (EMAC), which includes faculty members, technical support and infrastructure from the Department of Geological Sciences. As a matter of general principle we strongly support interdisciplinary research, and particularly in this case where it is between faculties, and when it encompasses scholarship around how people interact with their Earth. Some of the research themes seek to use trace elements and isotopic systems to understand how people and communities have been affected by climate change in the near past. This hopefully will help us make informed decisions around what we can do in the near future to mitigate the effects of climate change.

This proposal builds on several well-established collaborative research programs between researchers in Geological Sciences (Drs. Fayek and Halden; here I acknowledge a conflict of interest in this letter of support) and Anthropology (Drs. Fowler, Gamble, Greenfield, and Hoppa). The Riddell Faculty is committed to the ongoing success of these partnerships and the individual impacts of the research and infrastructure, which has been supported to date through Indirect Costs of Research/Research Support Funds, support through the laboratory budgets, six laboratory technicians who contribute to the overall production and management of Geological Sciences laboratories. In addition, and on an ad hoc basis, we support the infrastructure through renovations and support for three CFI grants associated with the labs. The proposed Centre is an exciting opportunity to further enhance research collaborations between the Faculty of Arts and the Riddell Faculty, which will promote future collaborations more broadly.



## Faculty of Arts

317 Fletcher Argue Bldg.  
Winnipeg, Manitoba  
Canada R3T 5V5  
Telephone (204) 474-7643  
Fax (204) 474-7590  
Email: Heidi.Marx-Wolf@umanitoba.ca

October 18, 2019

**TO:** Dr. Digvir Jayas, Chair, Senate Committee on University Research

**FROM:** Heidi Marx, Associate Dean, Research

**SUBJECT:** Faculty of Arts Support for Proposed Earth Materials and Archaeometry Centre (EMAC)



---

I am writing as Associate Dean Research, Faculty of Arts in support of the proposed EARTH MATERIALS AND ARCHAEOOMETRY CENTER (EMAC) which includes faculty members and infrastructure from the Department of Anthropology, Faculty of Arts. This proposal builds on several well established collaborative research programs between researchers in Anthropology (Drs. Fowler, Gamble, Greenfield, and Hoppa,) and Geological Sciences (Drs. Fayek and Halden). The Faculty of Arts is committed to the ongoing success of these partnerships and the individual impacts of the research and infrastructure, which has been supported to date through Indirect Costs of Research/Research Support Funds, support through the laboratory budget of a permanent laboratory technician who contributes to the overall management of Anthropology labs, and ad hoc support of the infrastructure including the past renovations and supporting the three CFI grants associated with the labs. The proposed Centre is an exciting opportunity to further enhance the research collaborations between the two units, and to facilitate potential future collaborations more broadly.



## Department of Anthropology

433 Fletcher Argue Bldg.  
Winnipeg, Manitoba  
Canada R3T 5V5  
Tel. (204) 474-8999  
Fax (204) 474-7600  
email: [Derek.Johnson@umanitoba.ca](mailto:Derek.Johnson@umanitoba.ca)

Dr. Digvir Jayas  
Chair, Senate Committee on University Research  
Office of the Vice-President (Research and International)  
202 Administration Building  
University of Manitoba

October 15, 2019

Dear Dr. Jayas:

I am writing as Department Head to convey the Department of Anthropology's support for the proposal for the Earth Materials and Archaeometry Center (EMAC). The Department of Anthropology's support was confirmed by a unanimous vote in favour of the proposal on October 4 in Department Council. The EMAC proposal includes faculty members and infrastructure in the Department of Anthropology. The proposal builds on multiple, long standing collaborative research programs between researchers in Anthropology (Hoppa, Greenfield, Fowler, Gamble) and Geological Sciences (Halden, Fayek). The Department of Anthropology has supported, and will continue to support, the research activities undertaken by these researchers through requests for RSF funding, a permanent laboratory technician who contributes to the overall management of Anthropology labs, a term lab technician (currently), occasional student training opportunities and support based on annual funding and faculty RA requests, and ad hoc support of the infrastructure as able. We see the proposed Center as an opportunity for further development of the research collaborations between the two units, and potentially to facilitate future collaborations more broadly.

Yours Sincerely,

Derek Johnson  
Professor and Head



**University  
of Manitoba**

Department of Geological Sciences

359 Wallace Building  
125 Dysart Road  
Winnipeg, Manitoba  
Canada, R3T 2N2  
Telephone (204) 474-7413  
Fax (204) 474-7623

Dr. Digvir Jayas  
Chair, Senate Committee on University Research  
Office of the Vice-President (Research and International)  
202 Administration Building  
University of Manitoba

16/Dec/2019

Dear Dr. Jayas:

I am writing as Department Head of Geological Sciences in support of the proposal for the Earth Materials and Archaeometry Center (EMAC). This proposal, which will include faculty members and infrastructure in the Department of Geological Sciences, builds on multiple, long-standing collaborative research programs between Geological Sciences (Halden, Fayek) and Anthropology (Hoppa, Greenfield, Fowler, Gamble). Department Council (meeting held on October 24, 2019) unanimously supported the proposal.

The Department of Geological Sciences has supported, and will continue to support, the research activities of these researchers through five permanent and one research funded laboratory technicians who contribute to the overall management of Geological Sciences laboratories and student training opportunities. We see the proposed Center as an opportunity for further development of the research collaborations between the two units, and potentially to facilitate future collaborations more broadly.

Yours Sincerely,


Alfredo Camacho  
Head, Department of Geological Sciences



**University  
of Manitoba**

Office of Provost and Vice-President (Academic)

208 Administration Building  
Winnipeg, Manitoba  
Canada R3T 2N2  
Telephone (204) 480-1408  
Fax (204) 275-1160

**Date:** December 3, 2020  
**To:** Mr. Jeff Leclerc, University Secretary  
**From:** Dr. Todd Mondor, Deputy Provost (Academic Planning and Programs) & Chair, COVID-19 Recovery Steering Committee   
**Re:** Change in Admission Requirements for 2021-2022, Pharm.D. (College of Pharmacy)

---

Please find attached a proposal from the College of Pharmacy to temporarily modify the 2021-2022 admission requirements to the Pharm.D. in response to changes in the availability of the in-person Critical Skills Essay resulting from COVID-19 restrictions.

The proposal was reviewed by the COVID-19 Recovery Steering Committee and by the Provost and Vice-President (Academic) on December 3, 2020 and no concerns were raised.

I would ask that the item be placed on the December 9, 2020 Senate Executive agenda to be considered by Senate at its January 6, 2021 meeting.

Cc.: Dr. Janice Ristock, Provost and Vice-President (Academic)  
Dr. Mark Torchia, Vice-Provost (Teaching and Learning); Lead, Academic Team, COVID-19 Recovery Steering Committee  
Dr. Lalitha Raman-Wilms, Dean, College of Pharmacy, Rady Faculty of Health Sciences  
Mr. Jeff Adams, Executive Director, Enrolment Services

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



## *Memorandum*

December 1, 2020

**TO:** Dr. Mark Torchia, Academic Team Lead, COVID-19 Recovery Steering Committee

**FROM:** Dr. Lalitha Raman-Wilms, Dean, College of Pharmacy, Rady Faculty of Health Sciences

**SUBJECT:** Pharmacy Admissions Process for the Fall 2021 intake

---

The College of Pharmacy is requesting a change to the Admissions Criteria that was published in the Applicant Information Bulletin 2021–2022 due to the ongoing COVID-19 pandemic.

The current published criteria are:

All eligible applicants are ranked for selection using an overall score according to the following criteria (subject to eligibility provisions):

- |   |     |
|---|-----|
| a) Adjusted Grade Point Average (AGPA)      | 60% |
| b) Critical Skills Essay                    | 10% |
| c) Pharmacy College Admissions Test (PCAT®) | 30% |

The critical skills essay is scheduled to be written in-person by all applicants on May 3<sup>rd</sup>, 2021 in the Apotex Centre. This essay helps to assess communication and critical thinking skills.

As the University has transitioned to online teaching and the province of Manitoba is under code red restrictions, we may not be able to offer this in-person essay. The College has discussed offering the essay to applicants on-line, however there is no reliable way to verify that the applicant is the person writing the essay.

All applicants are required to write the PCAT® test, a standardized assessment, which includes a written component. The College has determined that this component-of the PCAT score can assist its admissions process for this year.

If the College is unable to administer the Critical Skills Essay this year, we propose the admission criteria for the fall 2021 intake change to the following:

- |  |     |
|--|-----|
| a) Adjusted Grade Point Average (AGPA) | 66% |
| b) PCAT®                               | 34% |

A decision on whether these changes are required will be made by March 15<sup>th</sup>, 2021, based on the current COVID-19 situation in Manitoba. The Admissions Department has indicated they have the capability of communicating with all applicants. They will be able to notify all applicants by April 5<sup>th</sup>, 2021 that the essay will not be written and there will be no further requirements of them from that aspect.

This proposal was endorsed through Pharmacy College Council on November 23<sup>rd</sup>, 2020.

Please let me know if you have any questions, or require further information.

Thank you.





**University  
of Manitoba**

Office of Provost and Vice-President (Academic)

208 Administration Building  
Winnipeg, Manitoba  
Canada R3T 2N2  
Telephone (204) 480-1408  
Fax (204) 275-1160

**Date:** December 4, 2020  
**To:** Mr. Jeff Leclerc, University Secretary  
**From:** Dr. Todd Mondor, Deputy Provost (Academic Planning and Programs) & Chair, COVID-19 Recovery Steering Committee (CRSC)  
**Re:** Change in Degree Exit Requirements – Kinesiology and Rec. Management

---

Please see attached a proposal from the Faculty of Kinesiology and Recreation Management to temporarily waive the degree exit requirements, current CPR Level C and Emergency or Standard First Aid Certification requirement, for students graduating from all of their degree programs in Fall 2020.

The proposal is recommended for approval by the COVID-19 Steering Committee Chair after consulting with Team Leads, and by the Provost and Vice-President (Academic).

I would ask that the item be considered by Senate Executive on December 9, 2020 and by Senate at its January 6, 2021 meeting.

Cc.: Dr. Janice Ristock, Provost and Vice-President (Academic)  
Dr. Mark Torchia, Vice-Provost (Teaching and Learning); Academic Team Lead, CRSC  
Dr. Doug Brown, Dean, Faculty of Kinesiology and Recreation Management  
Mr. Jeff Adams, Executive Director, Enrolment Services

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



**From:** Douglas Brown <[Douglas.Brown@umanitoba.ca](mailto:Douglas.Brown@umanitoba.ca)>  
**Date:** Monday, November 30, 2020 at 12:24 PM  
**To:** Jeff Leclerc <[Jeff.Leclerc@umanitoba.ca](mailto:Jeff.Leclerc@umanitoba.ca)>  
**Cc:** Sarah Teetzel <[Sarah.Teetzel@umanitoba.ca](mailto:Sarah.Teetzel@umanitoba.ca)>  
**Subject:** Motion for Senate Executive Committee

I am submitting the following motion for Senate Executive Committee.

Context

Current CPR Level C and Emergency or Standard First Aid Certification have been degree exit requirements for all of the degree programs in the Faculty of Kinesiology and Recreation Management. Due to the pandemic and the recent shift to code red restrictions, it not possible for students completing their degrees in the fall term to meet this exist requirement. No alternative virtual method of delivering these practical skills-based courses are viable. A similar waiver was requested and approved for the students graduating at the end of the winter terms 2020.

THAT the Senate Executive Committee approve, on behalf of Senate, the waiver of Degree Exit Requirements, Current CPR Level C and Emergency or Standard First Aid Certification requirement, for students graduating from the following degree programs in Fall 2020:

- Bachelor of Kinesiology
- Bachelor of Kinesiology – Athletic Therapy
- Bachelor of Physical Education
- Bachelor of Recreation Management and Community Development

Best, Doug

Douglas A. Brown, PhD  
Professor and Dean  
Faculty of Kinesiology and Recreation Management  
University of Manitoba  
104 Frank Kennedy Centre  
Winnipeg, Manitoba R3T 2N2  
Tel. 204 474-8764  
Cell. 204 894 2780  
Fax. 204 474-7634