

**Senate
Senate Chamber
Room E3-262 Engineering Building
WEDNESDAY, April 1, 2015
1:30 p.m.**

AGENDA

- | | | |
|------|---|---------|
| I | <u>MATTERS TO BE CONSIDERED IN CLOSED SESSION</u> | - none |
| II | <u>MATTERS RECOMMENDED FOR CONCURRENCE WITHOUT DEBATE</u> | - none |
| III | <u>MATTERS FORWARDED FOR INFORMATION</u> | |
| | 1. Report of the Senate Committee on Awards
[February 17, 2015] | Page 3 |
| | 2. <i><u>In Memoriam: Dr. Helen Preston Glass</u></i> | Page 18 |
| | 3. Suspension of Admissions to the M.Sc. in
<u>Family Social Sciences, May 2015 – May 2016</u> | Page 19 |
| IV | <u>REPORT OF THE PRESIDENT</u> | Page 20 |
| V | <u>QUESTION PERIOD</u> | |
| | Senators are reminded that questions shall normally be submitted in writing to the University Secretary no later than 10:00 a.m. of the day preceding the meeting. | |
| VI | <u>CONSIDERATION OF THE MINUTES
OF THE MEETING OF MARCH 4, 2015</u> | |
| VII | <u>BUSINESS ARISING FROM THE MINUTES</u> | - none |
| VIII | <u>REPORTS OF THE SENATE EXECUTIVE COMMITTEE
AND THE SENATE PLANNING AND PRIORITIES COMMITTEE</u> | |
| | 1. <u>Report of the Senate Executive Committee</u> | Page 31 |
| | 2. Report of the Senate
<u>Planning and Priorities Committee</u> | |
| | The Chair will make an oral report of the Committee's activities. | |
| IX | <u>REPORTS OF OTHER COMMITTEES OF SENATE,
FACULTY AND SCHOOL COUNCILS</u> | |
| | 1. Report of the Senate Committee on Admissions
RE: Proposal for Special Consideration Admissions
Category for the Diploma in Agriculture, Faculty of
Agricultural and Food Sciences | Page 32 |

- | | | |
|----|---|---------|
| 2. | Report of the Senate Committee on Instruction and Evaluation RE: Revised Entrance, Continuation, and Graduation Requirements, B.Sc.(Hons.) in Psychology | Page 37 |
| 3. | Report of the Senate Committee on Rules and Procedures RE: Revisions to the Faculty of Agricultural and Food Sciences Council Bylaws | Page 43 |
| 4. | Reports of the Faculty Council of Graduate Studies on Program and Curriculum Changes | |
| a) | <u>RE: Department of Entomology</u> | Page 47 |
| b) | <u>RE: Department of Pharmacology and Therapeutics</u> | Page 50 |
| c) | <u>RE: Master of Dentistry in Pediatric Dentistry</u> | Page 55 |
| 5. | <u>Proposal for Direct Entry Process, Faculty of Science</u> | |
| a) | <u>Report of the Senate Committee on Instruction and Evaluation</u> | Page 57 |
| b) | <u>Report of the Senate Planning and Priorities Committee</u> | Page 61 |

X ADDITIONAL BUSINESS

1. **Discussion of the President's February 4, 2015 Statement to Senate**

The President has requested an opportunity for members of Senate to provide their considered views on the broad issues raised in his statement on the CAUT's report and to share advice with him.

The President's statement, which includes a link to the CAUT Report on the Department of Economics, is available at:

<http://news.umanitoba.ca/update-president-barnards-message-to-senate-on-caut-report/>

XI ADJOURNMENT

Please call regrets to 204-474-6892 or send to shannon.coyston@umanitoba.ca.

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

Observations

At its meeting of February 17, 2015 the Senate Committee on Awards approved 12 new offers, 26 amended offers, and the withdrawal of two awards as set out in Appendix A of the *Report of the Senate Committee on Awards* (dated February 17, 2015).

Recommendations

On behalf of Senate, the Senate Committee on Awards recommends that the Board of Governors approve 12 new offers, 26 amended offers, and the withdrawal of two awards as set out in Appendix A (dated February 17, 2015). These award decisions comply with the published guidelines of November 3, 1999, and are reported to Senate for information.

Respectfully submitted,

Dr. Phil Hultin
Chair, Senate Committee on Awards

SENATE COMMITTEE ON AWARDS

Appendix A February 17, 2015

1. NEW OFFERS

Asper MBA Entrance Scholarship

Beginning with the 2015/2016 academic year, a portion of the incremental tuition fees collected as a result of the MBA fee increases in 2011/12 and 2012/13 may be used to offer entrance awards to new students entering the Asper MBA program. Up to 2 awards valued at a maximum of \$10,000 each will be offered each academic year to students who:

- (1) are enrolled as a full or part-time student in the first year of study in the Asper MBA program in the Asper School of Business at the University of Manitoba (Faculty of Graduate Studies); and
- (2) have achieved an entrance GPA of at least 4.0 and an overall GMAT or GRE score at the 80th percentile at minimum.

If a recipient is also a holder of the International Graduate Student Entrance Scholarship (IGSES), this award will be valued at a maximum of the difference between the two. If both winners in a year are recipients of the IGSES award, then a third award of up to \$8000 may be given to the third best candidate.

For the purpose of this entrance award, the academic year will be defined as beginning January 1 and continue through December 31 (i.e. students admitted at any program entry point that falls within the 2015 calendar year will be considered for the scholarships for the 2015/2016 regular academic session). The decision of award recipient(s) will be made following the application deadline for the upcoming student intake term (not on a rolling basis).

The selection committee will have the discretion to determine the value and number of awards offered each year based on available revenue.

The Vice-Provost (Graduate Education) and Dean of the Faculty of Graduate Studies (or designate) will ask the Asper School of Business Associate Dean in charge of the MBA program (or designate) to name the selection committee for this award.

Dalgarno Graduate Fellowship

John J.C. Dalgarno left a testamentary gift to the University of Manitoba in 1959 with the income to be used to support agriculture and scientific plant research. The annual interest will be used to support graduate students who are conducting research in the area of plant or fungal biology, and to support the William F. Hanna Lecture Memorial Lecture and special plant/fungi speaker(s) or events.

Each year, fifty-five percent (55%) of the available annual income from the fund will be used to offer one fellowship to a graduate student who:

- (1) is enrolled full-time in the Faculty of Graduate Studies, in the M.Sc. degree program (thesis option) or PhD program in the Department of Biological Sciences;
- (2) has achieved a minimum grade point average of 3.5 (or equivalent) based on the last 60 credit hours of study;
- (3) conducts research with a focus on plant or fungal biology.

Students will be required to submit an application which will consist of a one-page (maximum 500 words) description of their proposed or ongoing research, a current transcript (a web transcript is acceptable, if from the University of Manitoba, or a certified copy of an official transcript), and a letter of support from their graduate supervisor or proposed graduate supervisor. The fellowship is not automatically renewable but previous recipients may reapply.

After the fellowship has been offered, the remaining forty-five percent (45%) of the available annual income from the fund will be used to support the William F. Hanna Memorial Lecture and special plant/fungi speaker(s) or events. The funds for this lecture series and special speaking events are to be administered by the Biological Sciences Graduate Student's Association.

The Vice-Provost (Graduate Education) and Dean of the Faculty of Graduate Studies (or designate) will ask the Head of the Department of Biological Science (or designate) to name the selection committee for this award.

The Board of Governors of the University of Manitoba has the right to modify the terms of this award if, because of changed conditions, it becomes necessary to do so. Such modification shall conform as closely as possible to the expressed intention of the donor in establishing the award.

Dr. Reg Litz Family Business and Entrepreneurship Scholarship

The family of Dr. Reg Litz has established an endowment fund to serve as his legacy and celebrate his passion for family business and entrepreneurship. Dr. Litz was a respected alumnus of the University of Manitoba and served as the Stu Clark Chair in Entrepreneurship in the I.H. Asper School of Business. An initial gift of \$10,000 was provided to the University of Manitoba in 2014 to establish the fund. The purpose of the fund is to recognize student achievement in the area of entrepreneurship and small business. Beginning in the 2016-2017 academic year, the available annual income from the fund will be used to offer one scholarship to an undergraduate student who:

- (1) is enrolled full-time (minimum 60% course load) in the Bachelor of Commerce Honours degree program in the I.H. Asper School of Business with a declared Major in Entrepreneurship/Small Business;
- (2) has achieved a minimum degree grade point average of 3.0.

The selection committee will be named by the Dean of the I.H. Asper School of Business (or designate).

The Board of Governors of the University of Manitoba has the right to modify the terms of this award if, because of changed conditions, it becomes necessary to do so. Such modification shall conform as closely as possible to the expressed intention of the donor in establishing this award.

Gerrard Family Scholarship

The Gerrard family, Alexander Gerrard, M.Sc./76, Kristen Gerrard, B.Ed./77, and their children David A. Gerrard, B.Comm. (Hons.)/05, and Jennifer Signy Gerrard, B.A. (Adv.)/06, and their families have generously established an endowment fund at the University of Manitoba. The purpose of the scholarship is to reward academic achievement and encourage promising students to pursue further courses in their area of study. Beginning in the 2016-2017 year, the scholarship will rotate each year between the Faculty of Engineering, the I.H. Asper School of Business (2017-2018), the Faculty of Arts (2018-2019) and the Faculty of Education (2019-2020). The scholarship will continue to be awarded in this order in perpetuity. Each year, the available annual interest will be used to offer one scholarship to an undergraduate student who:

- (1) is enrolled full-time (minimum 80% course load) in their second year of study in the applicable faculty or school;
 - (a) has a declared major in English Literature if enrolled in the Faculty of Arts;
- (2) has achieved a minimum degree grade point average of 3.5.

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

The Board of Governors of the University of Manitoba has the right to modify the terms of this award if, because of changed conditions, it becomes necessary to do so. Such modification shall conform as closely as possible to the expressed intention of the donor in establishing the award.

James Walker Wood, M.D. Convocation Prize in Family Medicine

In recognition of Dr. Walker Wood's commitment and contributions to the practice of family medicine, the Walker Wood Foundation provides an annual contribution of \$5,000 to the University of Manitoba. The funds will be used to provide a prize to a student who has demonstrated excellence in his or her performance during the Family Medicine rotation and has been accepted to post-graduate resident training. The donor has agreed to fund the prize for a term of four years ending in the 2017-2018 academic year. Beginning in the 2014-2015 academic year, one prize valued at \$5,000 will be offered to a student who:

- (1) is a Canadian citizen;
- (2) has completed the requirements for the Doctor of Medicine (M.D.) degree in the College of Medicine at the University of Manitoba;
- (3) has demonstrated leadership qualities and involvement in extra-curricular activities such as: medical research, community participation, music, drama, etc.;
- (4) has demonstrated interest and leadership in the field of family medicine which could include participation in the SWEAT program, the Northern Summer Student Work Program, rural family medicine interest groups, etc.;
- (5) has excelled in core and elective Family Medicine rotations;
- (6) has been accepted into a Family Medicine residency training program in Postgraduate Medical Education at the University of Manitoba.

Candidates will be required to submit: (i) a statement (maximum 500 words) describing their accomplishments and interest in the field of family medicine, (ii) a curriculum vitae, and (iii) a letter of support from a practicing family physician. Preference will be given to a candidate who is from a rural community and/or has expressed interest in rural family medicine.

The selection committee for this award will be named by the Dean of the College of Medicine (or designate) and will include the Director of the Undergraduate Program, Department of Family Medicine (or designate), and the Vice President of the Walker Wood Foundation (or designate).

Law Class of 1989 Legacy Bursary

An endowment fund of \$11,000 has been established at the University of Manitoba by the Law Class of 1989 as a legacy and a memorial for fellow classmates. The purpose of this award is to assist students who have a passion for the Law and have a financial need to pursue their studies. From this fund, the available annual income will be used to offer one bursary to an undergraduate student in the J.D. program in the Faculty of Law at the University of Manitoba.

Each year, one bursary will be offered to an undergraduate student who:

- (1) is enrolled full-time (minimum 60% course load) in any year of the J.D. degree program in the Faculty of Law at the University of Manitoba;
- (2) has achieved a minimum degree grade point average of 2.0;
- (3) has demonstrated financial need on the standard University of Manitoba bursary application form.

The selection committee for the bursary will be named by the Dean of the Faculty of Law (or designate).

The Board of Governors of the University of Manitoba has the right to modify the terms of this award if, because of changed conditions, it becomes necessary to do so. Such modification shall conform as closely as possible to the expressed intention of the donor in establishing the award.

NorthStar Genetics 10th Anniversary Scholarship

NorthStar Genetics has offered to provide four scholarships in celebration of its 10th anniversary. In 2004, NorthStar Genetics Manitoba was established as a partnership between Canadian and U.S. seed growers. The purpose of these scholarships is to recognize students in the Faculty of Agricultural and Food Sciences and the School of Agriculture who have actively participated in the community and demonstrated a commitment to the agricultural discipline. For the 2015-2016 academic year, four scholarships, each valued at \$2,500 will be offered to undergraduate students who:

- (1) are enrolled full-time (minimum 80% course load) in any Bachelor of Science degree program offered by the Faculty of Agricultural and Food Sciences or the Diploma in Agriculture program in the School of Agriculture at the University of Manitoba;
- (2) have achieved:
 - a. for first year students, a minimum 85% average on those courses considered for entrance scholarship consideration; or
 - b. for continuing students, a minimum degree grade point average of 3.0;
- (3) have actively participated in the community and demonstrated a commitment to the agricultural discipline.

Applicants will be required to submit a letter (maximum 500 words) describing: (i) the nature of their interest in their academic program, (ii) their personal goals and future career goals with respect to the agricultural discipline, and (iii) the nature and significance of their community involvement.

One scholarship will be awarded to each of the following:

- (1) A first year student in the Faculty of Agricultural and Food Sciences (0 to 23 credit hours completed) or School of Agriculture (0 to 37 credit hours completed)
- (2) A second year student in the Faculty of Agricultural and Food Sciences (24 to 53 credit hours completed) or School of Agriculture (more than 37 credit hours completed)
- (3) A third year student in the Faculty of Agricultural and Food Sciences (54 to 83 credit hours completed)
- (4) A fourth year student in the Faculty of Agricultural and Food Sciences (84 or more credit hours completed)

The selection committee for this award will be the Faculty of Agricultural and Food Sciences Awards Committee plus one representative from NorthStar Genetics.

Out-of-Province Entrance Scholarships

The University of Manitoba has established entrance scholarships to recognize the top graduates from high schools outside of Manitoba and within Canada. Each year, beginning in 2015-2016, six scholarships of \$4,000 each will be offered to the top six students who:

- (1) are graduating from a high school outside of Manitoba and within Canada;
- (2) are entering University 1 or any faculty or school at the University of Manitoba with a direct entry option;
- (3) have achieved a minimum average of 95% on the best five eligible courses equivalent to Manitoba 40S courses, based on the approved list of courses for entrance scholarship consideration;
- (4) have achieved the first to sixth highest aggregate score on the equivalents to the following courses:
 - (a) one of either English 40S or Anglais 40S, and

(b) Pre-Calculus Mathematics 40S, and

(c) at least one science or language course at the 40S level (other than English/Anglais 40S).

The selection committee will reserve the right not to make an award in any given year if there are no worthy candidates.

The scholarships are renewable at a value of \$4,000 in each of the second, third and fourth years of study provided that the recipient:

- (1) continues to be enrolled full-time (minimum 80% course load) in any faculty or school at the University of Manitoba;
- (2) has achieved a minimum degree grade point average of 3.75.

The Out-of-Province Entrance Scholarship may not be held with any other scholarships in the University of Manitoba Entrance Scholarship program.

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

Physics and Astronomy Centennial Graduate Fellowship

The Department of Physics and Astronomy has established an endowment fund of \$30,000 at the University of Manitoba. The purpose of the fund is to recognize graduate students for academic excellence during the first year of graduate studies. Beginning in the 2015-2016 academic year, 80% of the annual interest generated by the fund will be used to offer one fellowship to a graduate student who:

- (1) is enrolled full-time in the second year of study in the Faculty of Graduate Studies in the Department of Physics and Astronomy;
- (2) has achieved a minimum grade point average of 3.75 (or equivalent) based on the last 60 credit hours of study;
- (3) has achieved the highest (and at least 4.00) sessional grade point average, among a minimum number of 9 credit hours, in the Physics and Astronomy graduate core courses in his/her first year of enrolment in the Physics and Astronomy graduate program.

Core courses are defined as courses with the PHYS designation at the graduate level and include a written final exam component. The fellowship cannot be held together with the NSERC Vanier Scholarship or the Canadian Graduate Scholarships.

In the event of a tie, the student with the highest degree grade point average from the previous 60 credit hours will receive the award. If a further tie occurs, the student with the greater number of A+ grades in the Physics and Astronomy graduate core courses will be selected.

In any given year that there are no eligible candidates, the fellowship will not be offered.

The Vice-Provost (Graduate Education) and Dean of the Faculty of Graduate Studies (or designate) will ask the Chair of the Physics and Astronomy Graduate Studies Committee to convene a selection committee for this award.

The Board of Governors of the University of Manitoba has the right to modify the terms of the award if, because of changed conditions, it becomes necessary to do so. Such modifications shall conform as closely as possible to the expressed intention of the donor in establishing the award.

Rose Toles Prize

In honour of Rose Toles, Dr. George Toles and Melissa Steele have established an endowment fund at the University of Manitoba with an initial gift of \$19,000. The Manitoba Scholarship and Bursary Initiative has made a contribution to the fund. The fund will be used to provide a prize to a student who has completed a film-related or literature-related work in an English, Film, and Theatre course that is judged

to be outstanding. Beginning in 2015-2016, the available annual interest from the fund will be used to offer one prize to an undergraduate student who:

- (1) has achieved a minimum degree point average of 3.5;
- (2) has submitted a creative or critical piece of film-related work or an essay on literature while enrolled in an English, Film and Theater course that is judged to be of exceptional merit.

Preference will be given to film-centered projects.

Qualified work will be submitted by the instructor(s) of the course(s). Instructors may submit more than one work from any given course.

The selection committee shall be named by the Head of the Department of English, Film, and Theatre (or designate).

The Board of Governors of the University of Manitoba has the right to modify the terms of the award if, because of changed conditions, it becomes necessary to do so. Such modifications shall conform as closely as possible to the expressed intention of the donor in establishing the award.

University of Manitoba Retention Scholarships – 1st to 2nd Year

The University of Manitoba has established retention scholarships to reward students entering their second year of studies for continued high academic achievement. Each year ten scholarships, valued at \$4,000 each, will be offered to undergraduate students who:

- (1) entered the University of Manitoba with a Tier 1 Entrance Scholarship (95% or higher average from high school);
- (2) will be enrolled full-time (minimum 80% course load) in the second year of study in any degree program;
- (3) have completed a minimum of 24 credit hours in their first year of study;
- (4) have achieved a minimum degree grade point average of 4.0.

In the case of a tie, the following criteria will be applied:

- (1) the degree grade point average will be calculated to the fourth decimal place;
- (2) preference will be given to students who have a higher proportion of “A+” and “A” grades in a total program;
- (3) preference will be given to students who have taken more than the required number of courses;
- (4) preference will be given to students with a greater proportion of senior or advanced level courses in their program.

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

University of Manitoba Retention Scholarships – 2nd to 3rd Year

The University of Manitoba has established retention scholarships to reward students entering their third year of studies for continued high academic achievement. Each year ten scholarships, valued at \$4,000 each, will be offered to undergraduate students who:

- (1) entered the University of Manitoba with a Tier 1 Entrance Scholarship (95% or higher average from high school);
- (2) will be enrolled full-time (minimum 80% course load) in the third year of study in any degree program;
- (3) have completed a minimum of 24 credit hours in their second year of study;
- (4) have achieved a minimum degree grade point average of 4.0.

In the case of a tie, the following criteria will be applied:

- (1) the degree grade point average will be calculated to the fourth decimal place;
- (2) preference will be given to students who have a higher proportion of “A+” and “A” grades in a total program;
- (3) preference will be given to students who have taken more than the required number of courses;
- (4) preference will be given to students with a greater proportion of senior or advanced level courses in their program.

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

2. AMENDMENTS

A. Jacob and Rosa Charles Award

The following amendments have been made to the terms of reference for the A. Jacob and Rosa Charles Award:

- The name of this award has been changed to the *A. Jacob and Rosa Charles Prize*.
- The numbered criteria have been revised to:
 - (1) *was enrolled full-time (minimum 80% course load) in the fourth year of study of the B.Comm. (Hons.) program with a declared major in finance, in the I.H. Asper School of Business, in the year in which the award was tenable;*
 - (2) *has achieved high standing (a minimum grade of 4.0) in FIN 3410 Investments;*
 - (3) *has achieved a minimum degree grade point average of 3.5.*
- The following new statement has been added: *This prize is not to be held with the Dian Cohen Prize in Investments (Award #24330) or the Chartered Financial Analysts Society Winnipeg Prize (Award #24345) unless there are no other candidates that meet criteria (1) through (3).*
- The standard Board of Governors statement has been added.

Aikins, MacAulay & Thorvaldson Honourable Marshall Rothstein Prize

The following amendments have been made to the terms of reference for the Aikins, MacAulay & Thorvaldson Honourable Marshall Rothstein Prize:

- The award will now support three annual prizes of \$200 each, instead of one annual prize of \$600.
- The prize is now available to students who have completed their first year of studies in the Faculty of Law, instead of their third year.
- Administrative Law (Law 3530) and Clinical Administrative Law (3140) were deleted from the selection criteria.

Aramark Canada Annual Student Bursaries

The following amendments have been made to the terms of reference for the Aramark Canada Annual Student Bursaries:

- The donor has renewed the commitment to the award with a pledge of \$50,000 over ten year period, beginning in the 2014-2015 academic year.

- The following new statement has been added: *In years where matching contributions are made through the Manitoba Scholarship and Bursary Initiative, an additional \$5,000 will be offered to undergraduate students who meet the selection criteria.*

Department of Mathematics Graduate Fellowship

The following amendment has been made to the terms of reference for the Department of Mathematics Graduate Fellowship:

- The word “degree” has been removed from the grade point average calculation.

Dr. J.R. Murray Award

The following amendments have been made to the terms of reference for the Dr. J.R. Murray Award:

- The award name has been changed to the *Dr. J.R. Murray Convocation Prize*.
- All references to the Manitoba Pharmaceutical Association have been changed to the College of Pharmacists of Manitoba.
- The numbered criteria have been revised to read:
 - (1) *has, after graduating from high school, enrolled full-time in a Faculty of Science at a university in Manitoba;*
 - (2) *has completed the requirements for the Bachelor of Science (Pharmacy) degree program in the College of Pharmacy at the University of Manitoba;*
 - (3) *has achieved a minimum degree grade point average of 3.5 in each year of study while enrolled in the Bachelor of Science (Pharmacy) program;*
 - (4) *has participated actively in extra-curricular activities such as sports, student councils, or community affairs during the four years in the undergraduate program in the College of Pharmacy.*
- The selection committee statement has been revised to:

The selection committee will be the College of Pharmacy Awards Selection Committee and will include a representative of the College of Pharmacists of Manitoba.
- The following statements have been added:
 - *Candidates will be required to submit (i) a brief statement (maximum 250 words) describing the college-related activities in which they have participated in during the course of their undergraduate degree and (ii) a minimum of one letter of reference that confirms their participation in college-related activities.*
 - *The standard Board of Governors statement.*

Frederick H. Jackson Bursary and Award

The following amendments have been made to the terms of reference for the Frederick H. Jackson Bursary and Award:

- The fund will be used to offer one bursary, instead of one bursary and one award.
- The title has been changed to the *Frederick H. Jackson Bursary*.
- The numbered criteria have been revised to:
 - (1) *is enrolled full-time (minimum 60% course load) in the second or third year of the B.Comm. (Hons.) program in the I.H. Asper School of Business;*

- (2) *has declared a major in Accounting;*
- (3) *has achieved a minimum degree grade point average of 2.5;*
- (4) *has demonstrated financial need on the standard University of Manitoba application form.*
- The following criteria for the award were removed:
The second award supported by this fund, valued at half of the available annual income shall be offered (first in the spring of 2000) to a University of Manitoba student who:
 - (1) *has completed all requirements for the Bachelor of Commerce (Honours) degree with a major in Accounting;*
 - (2) *has been accepted to the Chartered Accountancy program in pursuit of a CA designation following graduation;*
 - (3) *has been nominated by students and faculty as the “most well-rounded” student among those graduating in a given year.*
- The standard Board of Governors statement has been added.

Honours Mathematics Award

The following amendments have been made to the Honours Mathematics Award:

- The award name has been changed to the *Honours Mathematics Scholarship*.
- The minimum degree grade point average has been changed to 3.75.
- The following statements have been added:
 - *The selection committee will have the discretion to determine the number and value of scholarships available each year, based on the available annual income.*
 - *The standard Board of Governors statement.*

Lara Onalee Nagler Memorial Scholarship - ‘Lara’s Legacy’

The following amendments have been made to the terms of reference for the Lara Onalee Nagler Memorial Scholarship – Lara’s Legacy:

- The terms have been revised to reflect the move of the Human Nutritional Sciences Program to the Faculty of Agricultural and Food Sciences.
- The biographical information excised from the preamble and added to the end section titled Biographical Information.
- The numbered criteria have been revised to:
Each year, the available annual interest from the fund will be used to offer two scholarships of equal value to undergraduate students who:
 - (1) *are enrolled full-time (minimum 80% course load) and have completed one full year of study in the Bachelor of Science (Human Nutritional Sciences) degree program, offered by the Faculty of Agricultural and Food Sciences at the University of Manitoba;*
 - (2) *have achieved a minimum degree grade point average of 3.5;*
 - (3) *have demonstrated a strong commitment to volunteerism, community, and family in one of the following ways:*
 - (a) *through a two-page letter (maximum 500 words) of application outlining involvement in these areas; or*

(b) through a written nomination (maximum 500 words) of an eligible student by a faculty member, or a practicum or work supervisor.

- The selection committee is now the Faculty of Agricultural and Food Sciences Awards Committee.
- The standard Board of Governors statement has been added.

Lawrence Tapper Prize in Accounting

The following amendments have been made to the terms of reference for the Lawrence Tapper Prize in Accounting:

- The purpose of the fund has been revised to state:
The purpose of the fund is to provide a prize to the highest ranking student of the Bachelor of Commerce (Honours) graduating class who proceeds to the program for Chartered Professional Accountants (CPA) designation.
- Numbered criteria have been added as follows:
 - (1) was enrolled full-time (minimum 80% course load) in the final year of the B.Comm. (Hons.) program in the year in which the prize was tenable;*
 - (2) has achieved the highest degree grade point average of all B.Comm. (Hons.) graduating students who are proceeding on to the program leading to CPA designation.*
- The following statements have been added:
 - *In the event of a tie, the award will go to the student who achieved the most A+ grades in their last two academic terms.*
 - *The Dean of the I.H. Asper School of Business (or designate) shall name the selection committee for this award.*
 - *The standard Board of Governors statement.*

Marc Hutlet Seeds Bursary – Diploma in Agriculture

The following amendment has been made to the terms of reference for the Marc Hutlet Seeds Bursary – Diploma in Agriculture:

- The second criterion has been revised to read: *has achieved the required minimum entrance average based on those courses used for admission.*

Olive Beatrice Stanton Award for Excellence in Teaching

The following amendments have been made to the terms of reference for the Olive Beatrice Stanton Award for Excellence in Teaching:

- The award will be offered to:
 - (1) an academic staff member with faculty rank who has taught at the University of Manitoba for up to 10 consecutive years;*
 - (2) has a demonstrated record of excellence in teaching.*
- In 2015, the available annual interest and a top-up from the Office of the Vice-President Academic and Provost will be used to offer the award at a value of \$5,000. In subsequent years, the selection committee will have the discretion to determine the value of the award, based on the available funds.
- The selection committee statement has been revised to:

The President of The University of Manitoba (or designate) will name the selection committee for this award.

- The following statements have been added:
 - *The Stanton Award may be presented to an individual only once throughout their lifetime.*
 - *The standard Board of Governors statement.*

**R.C.M.P. Veterans' Association – Manitoba Division –
James Lyle Johnston Memorial Trust Fund Bursary**

The following amendments have been made to the terms of reference for the R.C.M.P. Veterans' Association – Manitoba Division – James Lyle Johnston Memorial Trust Fund Bursary:

- The name of the award has been changed to the *RCMP Veterans' Association Manitoba Division Bursary*.
- The opening paragraph was revised to:
The Royal Canadian Mounted Police Veterans' Association offers a bursary of \$1,000 every three years to the University of Manitoba to support a student in the Faculty of Law. Every third year, beginning in 1982-1983, one bursary will be offered to an undergraduate student who:
- The numbered criteria were revised to:
 - (1) *is enrolled full-time in the second year of the degree program in the Faculty of Law;*
 - (2) *has achieved a minimum degree grade point average of 2.0;*
 - (3) *has demonstrated financial need on the standard University of Manitoba bursary application form.*
- The following statements were removed:
 - *This bursary is not tenable with other major university awards.*
 - **For tenability in the 1985/86 academic year, the bursary is to be awarded to a student proceeding from first to second year Law on the same terms as approved by Senate on May 14, 1982.*
- The selection criteria statement was revised to:
The Dean of the Faculty of Law (or designate) will name the selection committee for this award.
- The following statement has been added:
 - *The donor will notify the Financial Aid and Awards office by March 31 in any year that this award will not be offered as scheduled.*

Student Affairs Participation Award

The following amendments have been made to the terms of reference for the Student Affairs Participation Award:

- The available annual interest from the fund will be used to offer the award.
- The selection criteria has been revised to:
 - (1) *has completed courses constituting at least a first full year of a program of study at the University of Manitoba with a minimum cumulative grade point average of 3.5;*
 - (2) *is enrolled as a full-time student (minimum 60% course load) in the year in which the award is tenable;*

(3) *can verify active participation in the university and/or broader community in activities such as, but not limited to, university governance and committees, the arts, music, and athletics.*

- The following statement has been removed: *Nominations for this award will normally close at the beginning of February with selections announced about a month later.*

- The selection committee statement has been revised to:

The selection committee shall be named by the Vice-Provost (Students) (or designate), and shall include at least three members of the staff of Student Affairs.

The Dr. and Mrs. H.H. Saunderson Award for Excellence in Teaching

The following amendments have been made to the terms of reference for The Dr. and Mrs. H.H. Saunderson Award for Excellence in Teaching:

- The award will be offered to:

(1) *an academic staff member with faculty rank who has taught at the University of Manitoba for more than 10 consecutive years;*

(2) *has a demonstrated record of excellence in teaching.*

- In 2015, the available annual interest and a top-up from the Office of the Vice-President Academic and Provost will be used to offer the award at a value of \$10,000. In subsequent years, the selection committee will have the discretion to determine the value of the award, based on the available funds.

- The selection committee statement has been revised to:

The President of The University of Manitoba (or designate) will name the selection committee for this award.

- The following statements have been added:

- *The Saunderson Award may be presented to an individual only once throughout their lifetime.*
- *The standard Board of Governors statement.*

UMA Scholarship

The following amendments have been made to the UMA Scholarship:

- The name of the award has been changed to *AECOM Scholarship*.
- Information about AECOM was added at the end of the award.
- The first paragraph has been updated to reflect current award terminology.
- The selection criteria have been revised to:

(1) *is a Canadian citizen or Permanent Resident;*

(2) *is enrolled full-time (minimum 80% course load) in the third year of study of either the Civil, Mechanical, or Electrical Engineering program in the Faculty of Engineering at the University of Manitoba;*

(3) *has achieved a minimum degree grade point average of 3.5;*

- A paragraph was added to support the existing criterion (4) which reads: Students will be required to provide a written statement (maximum 500 words) to demonstrate how they have met criterion (4). If there are no suitable candidates who meet all of the selection criteria, the award can be offered to the student that meets criteria (1) through (3).

- The standard Board of Governors statement has been added.

**University Gold Medal in the Faculty of Agricultural and Food Sciences and
Faculty of Agricultural and Food Sciences Program Medals**

The following amendments have been made to the terms of reference for the University Gold Medal in the Faculty of Agricultural and Food Sciences and Faculty of Agricultural and Food Sciences Program Medals:

- The wording *General Selection Criteria* was removed to make it standard with other Gold Medal awards.
- The Gold Medal is listed under Section A; Program Medals are listed under Section B.
- *Faculty of Agricultural and Food Sciences B.Sc. (Human Nutritional Sciences) Medal (05/15)* was added to Program Medals
- The standard Tie Breaking Mechanism paragraph was added.

**University Gold Medal in the Faculty of Human Ecology
and Faculty of Human Ecology Program Medals**

The following amendments have been made to the terms of reference for the University Gold Medal in the Faculty of Human Ecology and Faculty of Human Ecology Program Medals

- The Faculty of Human Ecology Medal (Human Nutritional Sciences) was removed.
- The standard Tie Breaking Mechanism paragraph was added.

**University Gold Medal in Desautels Faculty of Music and
Desautels Faculty of Music Program Medals**

The following amendments have been made to the terms of reference for the University Gold Medal in Desautels Faculty of Music and Desautels Faculty of Music Program Medals:

- The following criteria were added to Section A: University Gold Medal in Music:
The University Gold Medal shall be awarded to the graduating student who:
 - (1) *has achieved the highest degree grade point average for the entire four-year undergraduate program (including non-Music electives) or two-year graduate program; and*
 - (2) *has completed the undergraduate program within four years or the graduate program within two years. This may include any work taken during summer and intersession. All work must be done in residence at the University of Manitoba.*

For students in the Integrated Bachelor of Music/Bachelor of Education Program, regulations regarding awarding of the University Gold Medal for Music are as follows:

 - (a) *the medal is normally awarded at the time of graduation, presumably at the end of the fifth year; and*
 - (b) *the computation of grade point average will not include courses taken in the Faculty of Education.*
- Section B. Desautels Faculty of Music Program Medals were added and include:
Faculty of Music B.Mus. (General Studies) Medal
Faculty of Music B. Mus. (Composition) Medal
Faculty of Music B. Mus. (History) Medal

Faculty of Music B. Mus. (Performance) Medal

Faculty of Music B. Mus. (Jazz Studies) Medal

Faculty of Music B. Mus. Ed. (Integrated Music Education/Music) Medal

Faculty of Music M. Mus. Medal

The Faculty of Music Program Medal shall be awarded to the graduating student in each music program who:

- (1) has achieved the highest degree grade point average for the entire four-year undergraduate program (including non-Music electives) or the two-year graduate program; and*
- (2) has completed the undergraduate program within four years or the graduate program within two years. This may include any work taken during summer and intersession. All work must be done in residence at the University of Manitoba.*

For students in the Integrated Bachelor of Music/Bachelor of Education Program, regulations regarding awarding of the University Gold Medal for Music are as follows:

- (a) The medal is normally awarded at the time of graduation, presumably at the end of the fifth year; and*
 - (b) The computation of grade point average will not include courses taken in the Faculty of Education.*
- General Selection Criteria and the preceding paragraph were removed.
 - The standard Tie Breaking Mechanism paragraph was added.

3. WITHDRAWALS

Faculty of Engineering Medal in Manufacturing Engineering

The program in the Terms of Reference for this award no longer exists and is being withdrawn from the University of Manitoba's awards program.

International Centre for Students Exchange Awards

This award is being withdrawn from the University of Manitoba's awards program at the request of the donor.

In Memoriam – Dr. Helen Preston Glass

Dr. Helen Preston Glass, a dedicated nurse and visionary who played a pioneering role in advancing the nursing profession, passed away on Saturday, February 14, 2015, at the age of 98.

During her many years as a nursing educator and administrative professional, Dr. Glass lent her expertise to the development of new policies as the concept of health care shifted from institutional care to community-based health promotion strategies. Her commitment and experience in health care policy development and nursing education and research is recognized nationally and internationally.

Born in Regina in 1917, Dr. Glass received her diploma in nursing from Montréal's Royal Victoria Hospital School of Nursing in 1939. She worked in hospitals and clinics until 1958, when she returned to study, receiving her Certificate in Teaching and Supervision of Schools of Nursing from the University of Manitoba. She then travelled to Columbia University where she received her Bachelor of Science (1960) and Master of Arts (1961) degrees. In 1962, she joined the School of Nursing at the University of Manitoba. She later returned to Columbia University for her Master in Education (1970) and Doctoral Degree (1971) in Nursing Education.

In 1972, upon attaining the rank of Professor she was named Director of the School of Nursing at the University of Manitoba. During her tenure she established a graduate program in nursing, and was instrumental in the creation of the Manitoba Nursing Research Institute, now known as the Manitoba Centre for Nursing and Health Research. In 1989, she was named Professor Emerita. She was inducted into the Manitoba Order of the Buffalo Hunt, named an Officer of the Order of Canada and the Order of Manitoba. She holds honorary doctorates from McGill University (1995), Université de Montreal (1993), St. Francis Xavier University (1991), the University of Western Ontario (1986) and Memorial University of Newfoundland (1983).

Among her many other honors are the Peter D. Curry Chancellor's Award from the University of Manitoba (1993), the Jeanne Mance Award from the Canadian Nurses Association (1992), the Mary Tolle Wright Leadership Founder's Award from the Sigma Theta Tau International Honor Society in Nursing (1989), the R. Louise McManus Medal from the Columbia University Nursing Education Alumni, and the Queen's Silver Jubilee Medal (1977). She was President of the Canadian Nurses Association and also served on the Board of the International Council of Nurses as second vice-president, and made valuable contributions to the World Health Organization. Most recently, Dr. Glass was the recipient of the College of Registered Nurses of Manitoba's Centennial Award in 2013.

In honour of her accomplishments and contributions to nursing, the nursing building was named the Helen Glass Centre for Nursing, and was dedicated by Her Royal Highness, The Princess Royal, on the occasion of her visit on July 25, 1999, during the XIII Pan American Games. Dr. Glass' name will also live on through the Dr. Helen P. Glass Researcher in Residence event hosted annually by the Manitoba Centre for Nursing and Health Research and the College of Nursing.

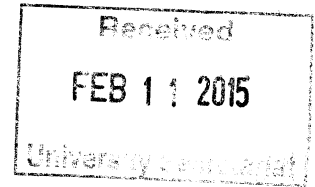
Dr. Glass will be fondly remembered as a trailblazer and for her steadfast dedication to the College of Nursing at the University of Manitoba, an institution she proudly championed and generously supported.



UNIVERSITY
OF MANITOBA

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Date: February 10, 2015
To: Jay Doering, Dean, Vice-Provost (Graduate Education) & Dean, Faculty of Graduate Studies
From: Joanne C. Keselman, Vice-President (Academic) and Provost
Subject: **Program Suspension - *M.Sc. in Family Social Sciences***

At its meeting of February 4, 2015, the President notified Senate of his acceptance of the recommendation from Dr. Jay Doering, Vice-Provost (Graduate Education) and Dean of the Faculty of Graduate Studies, that admission to the following program(s) be suspended:

M.Sc., Family Social Sciences

Accordingly, suspension to these programs is effective as of May 2015 and will be in place until May 2016. The decision to suspend admissions to these programs should be raised for review no later than February 2016.

cc. David Collins, Vice-President (Integrated Planning & Academic Programs)
Brian Postl, Vice-Provost (Health Sciences), Dean, College of Medicine
Jeff Adams, Executive Director, Enrolment Services
Jeff Leclerc, University Secretary
Thelma Lussier, Executive Director, Institutional Analysis
Neil Marnoch, Registrar
Cassandra Davidson, Undergraduate Program Analyst

PRESIDENT'S REPORT: April 1, 2015

GENERAL

On March 9th, the University of Manitoba launched the annual Faculty, Staff, and Retirees Campaign. In addition to raising funds for the University's strategic priorities, the goal of the campaign is to promote the culture of philanthropy within our internal community. Dr. Emily Etcheverry (Dean, College of Rehabilitation Sciences), Ms. Christine Cyr (Director, Aboriginal Student Centre), and Dr. Daniel Sitar (Professor Emeritus, Internal Medicine/Pharmacology) have agreed to co-chair the campaign. This campaign will be promoted by faculty and staff ambassadors and through the web and social media channels until March 31st.

This year's Three Minute Thesis (3MT) competition came to its conclusion on February 25. Twelve impressive finalists, competing in the finals, each had three minutes and could use a single slide to explain the nature, goals and significance of his or her research. Rebecca Dielschneider, a doctoral student in Immunology, was awarded first place and the People's Choice award for her work on *Lysosomes as Targets in Leukemia*. Second place was awarded to Diego Rodriguez Herrera, a Master's student in Physics and Astronomy, for his work on *Using Radio Waves for Breast Cancer Detection*. Rebecca Dielschneider will now represent the University of Manitoba at the western regional 3MT competition, which will take place in May.

The new Advanced Satellite Integration Facility (ASIF) at the Winnipeg site of Magellan Aerospace, which was funded by an investment of \$2.4 million from Western Economic Diversification Canada, was unveiled in early March. This partnership between the University, Magellan and the federal government will support research, development, construction and testing of satellite systems and components. A \$1.5 million investment from Magellan contributed to the construction of the facility, research and development and the establishment of an Industrial Research Chair within the Faculty of Engineering.

The University of Manitoba community continues to take part in discussions related to the University's financial situation, the preparation of the 2015/16 budget and ways to ensure the ongoing sustainability of the institution. Presentations followed by Q&A sessions have occurred at Senate, with Deans, Associate Deans, Department heads and administrative unit leaders and at a President's Town Hall, the Budget Advisory Committee has had its first meeting, and a budget information website has been created that is updated as information becomes available. http://www.umanitoba.ca/admin/budget_2015-16/message.html

As had been signaled in the initial response to the Canadian Association of University Teachers (CAUT) Report of the *Ad Hoc Investigatory Committee Into the Faculty of Architecture at the University of Manitoba* on February 10, 2015, a more detailed response was released on March 5, 2015. It is online at <http://news.umanitoba.ca/president-barnards-message-on-caut-report-on-faculty-of-architecture/>.

ACADEMIC MATTERS

- Christopher Johnson, english, film & theatre, was honored by The Manitoba Writers' Guild and the Manitoba Association of Playwrights who named their new playwriting award the "Chris Johnson Award" in recognition of his contribution to Winnipeg theatre over the past three decades.
- Richard Hechter, education, and Mark Guy, an associate professor of education at the University of North Dakota, were presented with an award from the National Technology Leadership Initiative (NTLI) for their project in which elementary school science teacher candidates are asked to create short movies about scientific concepts to be shown to students. The award will be presented at the Society for Information Technology and Teacher Education conference in March, 2015.
- Oliver Botar, art, work's *Sensing the Future: Moholy-Nagy, die Medien und die Künste/Sensing the Future: Moholy-Nagy, Media and the Arts* was on display at the Bauhaus-Archiv, Museum für Gestaltung in Berlin from October 8th 2014 until February 2nd, 2015. In conjunction with the Berlin showing of the exhibition he held a public lecture entitled "Sensing the Future: László Moholy-Nagy, Media and the Arts" at the Embassy of Canada in Berlin on December 5, 2014.
- Christine Cyr, Aboriginal student centre, was selected to attend the prestigious Governor General's Canadian Leadership Conference in May 2015.
- Kristine Blair, animal science graduate student, was named as one of two recipients of The Environmental Stewardship Award (TESA) for 2014 at the Manitoba Beef Producers annual meeting. The award recognizes producers who go above and beyond standard industry conservation practices and set positive examples for other cattle producers and the general public. Provincial recipients of the award move forward as nominees for national recognition from the Canadian Cattlemen's Association.
- Braden Calvert, agriculture diploma student, skipped his Manitoba team to the gold medal at the Canadian Juniors men's championship on February 1. The team now advances to the 2015 World Junior Championships beginning February 28 in Tallinn, Estonia.
- Asper School participated in the 2015 MBA Games competition hosted by DeGroote Business School of McMaster University. MBA Games competition hosts teams from MBA programs across Canada and it is a challenge of academics, athletics, and spirit. This is only the second time Asper MBAs have participated in the MBA Games. As a result, Amanda Macdonald, Henry Tse, and Geeta Chopra placed 2nd out of 20 in the Finance case competition at the MBA Games.
- Graham Halford and Quinn Kirkpatrick, business students, placed third place in the Ethics event of the prestigious [Intercollegiate Business Competition](#) (ICBC) -- Canada's longest-running case competition. To qualify for a coveted spot in the final round, Halford and Kirkpatrick competed this fall against 29 other Canadian and international universities. Only teams whose submission ranked in the top five were invited to compete in the finals. This is the first time Asper has placed in the Ethics category.

- Kieran Cairney, Aaron Wojnowski, Lorenzo Gentile and Garrett Suss, computer science students, competed in *Battlecode 2015*; the largest AI programming competition in the world. The event was held at the Massachusetts Institute of Technology and they were the only Canadian team to participate in this prestigious computer programming competition.
- January marked Career Month at the University of Manitoba featuring over 16 events with Career Fair as the main event and hosting over 100 employers and 2,500 students.
- The University held its annual President's Scholars event on January 21, 2015. A President's Scholar is a student who entered the University of Manitoba with a 95% average or higher and they remain a President's Scholar if they maintain a 4.0 GPA in subsequent years. The event welcomes new President's Scholars and recognized 15 students who reached their fourth year in the program.
- Asper School was named Jeux du Commerce (JDC) West School of the Year. This is the largest undergraduate business student competition in Western Canada, showcasing academics, athletics, debate, community involvement, and an out-of-the-box social competition. This marks the highest JDC West finish ever in the School's history.

In addition, Asper's 'Team Toba' also brought home honours in the following categories:

- First Place: Social, Marketing
 - Second Place: MIS, International Business, Taxation
 - Third Place: Athletics, Entrepreneurship, Debate, Business Strategy
- The Faculty of Health Sciences held its inaugural symposium, "Forging Our Future", bringing together more than 150 faculty members, support staff, researchers and learners to strength their new integrated health sciences community. Honorable Sharon Blady, Minister of Health brought greetings and the keynote speaker, was UBC's Dr. Louise Nasmith, Associate-Provost, Health, who presented their story on why and how its health disciplines are coming together. The day also included four entertaining "pitches" exploring exciting opportunities to propel the new faculty forward.

RESEARCH MATTERS

- On January 19, the Honourable Michelle Rempel, Minister for Western Economic Diversification Canada announced \$2.4 million in funding to Drs. Jörg Stetefeld and Gregg Tomy (Chemistry) to establish the Centre for Oil and Gas Research and Development (COGRaD). The facility will be an internationally-accredited analytical centre in environmental monitoring and remediation services. WD's investment will be used to purchase highly specialized equipment which will allow COGRaD to collaborate with private industry on research and development, test samples from the environment, and develop tools and techniques to assist oil and gas companies to meet existing environmental monitoring and remediation challenges.

- On January 20, 2015 the Government of Canada announced \$1,025,839 in funding to four University of Manitoba research projects from the Canada Foundation for Innovation (CFI) John E. Evans Leaders Fund (JELF). The project investigators are: Dr. Robert Duncan (Plant Science, \$155,777) to develop high oil and meal protein content canola/rapeseed cultivars, Drs. Behzad Kori, Derek Oliver and Sherif Sherif (Electrical and Computer Engineering, \$179,293) for the development of new and improved techniques for both online and offline condition monitoring of high voltage power systems, Drs. David Lobb and Philip Owen (Soil Science and University of Northern B.C., \$310,361) to expand and enhance an innovative research and development program in soil erosion and sedimentation, and Drs. Mark Tachie and Shawn Clark (Mechanical Engineering and Civil Engineering, \$380,408) for a time-resolved tomographic particle image velocimetry (TRTPIV) and water tunnel for turbulence and ice engineering research.
- The Canadian Institutes of Health Research (CIHR) and Public Health Agency of Canada (PHAC) recently awarded Dr. Jonathan McGavock (Pediatrics & Child Health/Children's Hospital Research Institute of Manitoba) an Applied Public Health Chair in Resilience and Childhood Obesity (\$925,000). The Chair will focus on promotion of healthier lifestyles to combat obesity and type 2 diabetes in First Nations youth. Guided by an Indigenous-based framework called the Circle of Courage, the model relies on older students to deliver after-school programs designed to promote resilience, rather than specifically focusing on diet and exercise.
- The ninth annual Science, Engineering and Technology (SET) Day was held on campus on February 20, 2015, hosted and organized by the Office of the Vice-President (Research and International). More than 175 grade 11 and 12 high school students and their teachers participated in faculty-hosted hands on activities: Hearts and Rec (Science), Pizza 101 (Human Ecology/Agricultural and Food Sciences), Intro to Intelligent Robots (Science), Build-A-Bridge (Engineering), and Greenhouse Gases from Agriculture at Glenlea Research Station (Agricultural and Food Sciences). WISE Kid-Netics provided a newspaper chair building challenge. The participants listened to three SET Talks given by Dr. Pourang Irani (Computer Science), graduate student Amy Scott (Anthropology/Graduate Studies), and Dr. Debbie Kelly (Psychology). Students and teachers were very engaged throughout the day both in the activities, talks and via social media. There were 84 Instagram posts and more than 300 tweets using #SETDay2015.
- Fifteen international partnership agreements were recently signed. They are:

Country	Partner Institution	Agreement Type	Initiating Faculty
Colombia	Escuela de Ingenieria de Antioquia	Memorandum of Understanding	Extended Education
Denmark	Aarhus University	Student Exchange Renewal	Environment, Earth & Resources
France	Blais Pascal University	Student Exchange	Arts
Germany	Technische Universitat Munchen	Student Exchange Renewal	Architecture
Germany	University of Greifswald	Student Exchange Renewal	Arts

Germany	University of Trier	Student Exchange Renewal	Arts
Germany	Universitat Duisberg-Essen	Memorandum of Understanding	Science-Computer Science
Hungary	University of Szeged	Student Exchange Renewal	Arts
Japan	Nagasaki Junshin Catholic University	Memorandum of Understanding	Extended Education
Japan	Toyko Metropolitan University	Memorandum of Understanding	Extended Education
Japan	Toyko Metropolitan University	Program Service Provider	Extended Education
Kenya	Partners for Health and Development	Research & Development	PHDA-Univ. of Manitoba
Nigeria	West African Centre for Public Health and Development	Memorandum of Understanding	Medicine
Pakistan	CGPH Pakistan (Private) Ltd.	Memorandum of Understanding	Medicine
South Korea	Korea University	Student Exchange Renewal	Arts

- The University of Manitoba hosted six visiting delegations from November 2014 thru January 2015. They were as follows:

Country	Name of Institution	Date at UM	UM Host
Canada	ELAP Mission	November 17, 2014	International Office
China	Nanjing University of Finance & Economics	November 26, 2014	Agriculture, Engineering
China	Feng Chia University	January 29, 2015	Extended Education
Mexico	Ministry of Economy of Mexico	December 11, 2014	Sr. Administration, I. H. Asper School of Business
New Zealand	Massey University	January 27, 2015	Arts

Russia	North Caucuses University	November 28, 2014	Social Work
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- Eighty-seven projects received \$6,979,826 in funding from various sources. Those projects over \$25,000 are as follows:

PI	Sponsor	Title	Awarded
Azad, Meghan (Pediatrics and Child Health)	Children's Hospital Foundation of Manitoba Inc.	Determinants and outcomes of breast milk composition: A sub-study of the Canadian Healthy Infant Longitudinal Development (CHILD) study	\$40,000
Barclay-Goddard, Ruth (Physical Therapy)	Research Manitoba	Getting older adults out-of-doors (GO-OUT): A randomized controlled trial of a community-based outdoor walking program	\$65,000
Bartlett, Judith (Community Health Sciences)	Simon Fraser University	International Network in Indigenous Health Knowledge and Development (INIHKD) Conference 2014	\$25,000
Becker, Allan (Pediatrics and Child Health)	Andison (D.Elaine) Foundation Inc.	Diagnosing wheezing syndromes in children using mHealth technology	\$25,000
Bolton, James (Psychology)	CIHR	A longitudinal study of risk factors, correlates, course and treatment outcomes of adults who engage in non-suicidal self-injury	\$105,000
Burgener, Adam (Medical Microbiology)	CIHR	Mucosal predictors of HIV acquisition	\$990,288
Chernomas, Wanda (Faculty of Nursing)	CIHR	Nursing students' experiences with Arts-based learning: A constructivist grounded theory study	\$105,000
Cook, Catherine (Community Health Sciences)	Dalhousie University	CIHR Network Environments for Aboriginal Health Research - Manitoba NEAHR Program	\$1,070,000
Currie, Robert (Entomology)	Saskatchewan Agriculture Development Fund	Honey bee health: Management of varroa mites and viruses	\$120,000

Fernyhough, Paul (Pharmacology and Therapeutics)	University of California, San Diego	Cholinergic constraint and diabetic neuropathy	\$144,897
Filizadeh, Shaahin (Electrical and Computer Engineering)	Manitoba Hydro	Alternative HVDC design	\$48,875
Ho, Juliet (Internal Medicine)	Centre Hospitalier de L'Universite de Montreal (CHUM)	The Canadian National Transplant Research Program (CNTRP): Favouring engraftment and preventing rejection/graft-vs-host disease through targeted disruption of danger and death signals: From cells to patients	\$50,000
Ivanco, Tammy (Psychology)	Power Corporation of Canada	Stress and resiliency in military populations	\$155,302
Jordan, Larry (Physiology & Pathophysiology)	Research Manitoba	Restoring locomotion in paraplegic rats by selective activation of grafted serotonergic neurons	\$45,500
Kauppinen, Tiina (Pharmacology and Therapeutics)	Research Manitoba	Microglial modulation, a potential therapeutic approach in neurological diseases	\$100,000
Klassen, Terry (Pediatrics and Child Health)	CIHR	Applied chair resilience and childhood obesity	\$500,000
Lix, Lisa (Community Health Sciences)	Research Manitoba	Statistical methods for patient-reported outcome measures	\$65,000
Mansouri, Behzad (Internal Medicine)	University Medical Group	Visual functional connectivity in amblyopia before and after binocular and/or TMS treatment	\$26,000
McGavock, Jonathan (Pediatrics and Child Health)	CIHR	Applied chair in resilience and childhood obesity	\$425,000
Miller, Donald (Pharmacology and Therapeutics)	CIHR	Phospholipids receptors as targets for enhancing drug permeability to the brain	\$94,376
Miller, Donald (Pharmacology and Therapeutics)	Research Manitoba	Phospholipids receptors as targets for enhancing drug permeability to the brain	\$94,376

Mookherjee, Neeloffer (Internal Medicine)	Canadian Respiratory Research Network (CRRN)	Regulation of airway inflammation and remodeling by innate defense regulator peptides	\$50,000
Nickel, Nathan (Manitoba Centre for Health Policy (MCHP))	Research Manitoba	Manitoba infant feeding database - a capture recapture proof of concept study	\$161,448
Roberts, Daniel (Internal Medicine)	CIHR	Bleeding, transfusion, and the use of anticoagulants in patients with critical illness: Generating evidence to inform practice change and improve outcomes	\$300,000
Russell, Kelly (Pediatrics and Child Health)	Research Manitoba	Understanding youths' attitudes and practices with regard to high- risk behaviors while skiing and snowboarding	\$60,000
Russell, Kelly (Pediatrics and Child Health)	CIHR	Understanding youths' attitudes and practices with regard to high- risk behaviors while skiing and snowboarding	\$60,000
Shay, Barbara (Physical Therapy)	CancerCare Manitoba	The role of nerve entrapment in chemotherapy-induced peripheral neuropathy and the potential role for physical therapy: Could a dual nerve disorder be responsible for severity of symptoms?	\$49,800
Singh, Harminder (Internal Medicine)	Research Manitoba	Optimizing colonoscopy procedures and reducing unnecessary and over use	\$200,000
Tangri, Navdeep (Internal Medicine)	Research Manitoba	Knowledge translation interventions to prevent the early initiation of dialysis: A cluster randomized trial	\$215,350
Tenuta, Mario (Soil Science)	BASF Canada	A matter of timing and source: Enhanced efficiency nitrogen fertilizers and products to reduce nitrous oxide emissions in the Prairie Provinces	\$45,000
Tenuta, Mario (Soil Science)	Koch Agronomic Services LLC	A matter of timing and source: Enhanced efficiency nitrogen fertilizers and products to reduce nitrous oxide emissions in the Prairie Provinces	\$30,000

Tenuta, Mario (Soil Science)	Agrium Inc	A matter of timing and source: Enhanced efficiency nitrogen fertilizers and products to reduce nitrous oxide emissions in the Prairie Provinces	\$45,000
Thiyam-Hollander, Usha (Human Nutritional Sciences)	Hemp Oil Canada	Biocatalytic reduction of Chlorophyll pigments in hemp seed oil and its synergistic effects	\$74,000
Unger, Bertram (Medical Education)	Health Sciences Centre Foundation	Mixed-reality simulation for temporal bone surgical training	\$70,000
Walker, John (Clinical Health Psychology)	IWK Health Centre	Developing a web-based program to assist parents in helping the anxious child: A public health approach to prevention and early intervention	\$30,000

ADMINISTRATIVE MATTERS

- On January 28, 2015, the Province of Manitoba's Round Table for Sustainability Development awarded the University of Manitoba the Manitoba Excellence in Sustainability Award in the category of Action of Climate Change, Air Quality and Energy Efficiency. This award recognizes the University's 25-year record of achievement on energy demand reduction and energy efficient design (including green buildings). Since 1990/91 the University of Manitoba's Fort Garry campus has reduced its natural gas consumption by over 39% per square foot and electricity consumption by over 35% per square foot despite significant expansion. This reduction in non-renewable energy also dramatically reduced greenhouse gas emissions per square foot.
- The University launched a renewed university-wide IT Governance model and website on January 20, 2015. IT governance provides strategic leadership for the investments in information technology, establishes campus-wide IT priorities and policies in accordance with the University Strategic Plan, and is accountable to the University. The University IT Advisory Committee (UITAC) is the new Executive-level committee engaging senior-level leaders from across the University; replacing the former PACITi. The UITAC is supported by five committees structured into "portfolios" that represent the University's faculty, student, research and administrative business needs and supported by a cross-campus information technology body.

EXTERNAL MATTERS

- For the period of April 1, 2014 to February 26, 2015, the University has raised \$35,018,212.02 for the 2014/2015 fiscal year. As of this date, we have raised \$15.9 million more in our current fiscal year, as compared to last fiscal year.

- Significant gifts and activities in the last reporting period include:
 - The Riddell Faculty of Environment, Earth and Resources received a donation of \$258,000 from Keith Caldwell in support of Named TA'ships in the Department of Geological Science which is the first of its kind for the department and faculty.
 - Wawanesa Insurance has made a gift of \$250,000 directed to the Active Living Centre.
- Vice-President (External) John Kearsey met with newly appointed Minister of Education and Advanced Learning, Peter Bjornson, to present the University of Manitoba's case for support video and discuss our comprehensive fundraising campaign Front and Centre.
- President and Vice-Chancellor, David Barnard, John Kearsey, and Campaign Chair, Paul Soubry, met with Premier Selinger to discuss the University of Manitoba's comprehensive fundraising campaign Front and Centre and to show the case for support video.
- The Minister for Western Economic Diversification, Michelle Rempel, was at the University of Manitoba to announce WED funding for the Centre for Oil and Gas Research and Development to two researchers in the Department of Chemistry. The researchers received \$2.4 million to help establish the centre.
- President Barnard, Tyler MacAfee and Ry Moran met with Minister of Canadian Heritage and Official Languages, Shelly Glover, in her capacity as senior federal minister for Manitoba to discuss the University of Manitoba's federal funding priorities for 2015 and our plan to secure federal funding for the NCTR.
- Newly appointed Minister of Healthy Living and Seniors, Deanne Crothers, met with Dean Douglas Brown and others from the Faculty of Kinesiology and Recreation Management (FKRM) to discuss the role of the University of Manitoba in the community and in promoting healthy and active living. Following the meeting, Minister Crothers had a tour of the Active Living Centre given by Gordon Giesbrecht, Associate Dean (External Relations), FKRM.
- The University of Manitoba hosted the fourth Visionary Conversations of 2014-2015 - "Popular Science - Has Innovation Caught Up with Imagination?" Panelists included Dr. Jayanne English, Associate Professor, Department of Physics and Astronomy in the Faculty of Science; Dr. Pourang Irani, Professor, Department of Computer Science in the Faculty of Science and a Canada Research Chair in Ubiquitous Analytics; and Scott Young (Alumnus), Manager of Science Communication and Visitor Experience at The Manitoba Museum.
- Alumni Relations partnered with Career Services, the Faculty of Arts, and the Arts Student Body Council to host a Faculty of Arts Career Round Table for students pursuing a humanities degree. The networking event took place on Thursday, January 29, 2015 and provided students the opportunity to learn more about various career options/paths from alumni with a humanities degree. Over 30 students participated and gained valuable career advice from the eight alumni participants. Barbara Axworthy, Director, Alumni Relations provided greetings at the event.
- On February 24th, the 2015 Distinguished Alumni Awards Selection Panel met to determine the recipients of this year's awards in each of our five categories. The public announcement of the recipients will take place mid-March and the Celebration of Excellence will be held on May 12th 2015 at the Winnipeg Art Gallery. Please mark your calendars for this exciting event.

- An alumni event in Ottawa is being scheduled for April 9th to coincide with the presentation of the Governor General's Awards for Visual and Media Arts. The public announcement of the recipients will take place on March 24th.
- Planning for Homecoming 2015 is underway and currently there are 33 different reunions being organized. These reunion groups range from graduates of the class of 1955 to 2005 and represent ten different faculties. Homecoming 2015 will take place from September 28th – October 4th.
- The University of Manitoba was recognized as a Canadian advertising success story at the 22nd CASSIE Awards (Canadian Advertising Success Stories) held in Toronto on February 19, 2015. We received a bronze award in the "Long-Term Success" category for the Trailblazer advertising campaign. McKim Communications Group, the agency which worked with the University of Manitoba to develop its Trailblazer advertising campaign, was jointly recognized. The CASSIES have been awarded in Canada by national communications agencies since in 1993 to honour best practice in Canadian advertising, judged on measurable criteria such as demonstrated impact, the effectiveness of a campaign and creative excellence.

March 18, 2015

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 Diana McMillan will be the Speaker for the Executive Committee for the April meeting of Senate.

2. Comments of the Executive Committee of Senate

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

Respectfully submitted,

Dr. David Barnard, Chair
Senate Executive Committee
Terms of Reference:

http://umanitoba.ca/admin/governance/governing_documents/governance/sen_committees/477.htm

Report of the Senate Committee on Admissions concerning a proposal from the Faculty of Agricultural and Food Sciences to create a special consideration admissions category for the Diploma in Agriculture program (2015.02.27)

Preamble:

1. The terms of reference for this committee can be found at: http://umanitoba.ca/admin/governance/governing_documents/governance/sen_committees/490.htm.
2. The Faculty of Agricultural and Food Sciences is proposing the addition of a special consideration category to the Diploma Program in Agriculture.
3. The proposal was approved by the Faculty of Agricultural and Food Sciences' Faculty Council on January 19, 2015 and was endorsed by SCADM on February 27, 2015.

Observations:

1. The Faculty of Agricultural and Food Sciences has resources to accommodate 85 new students each year for the Diploma in Agriculture Program. This year 113 applications were received for admission to the program.
2. Without changes to the admission requirements, if the number of qualified applicants exceeds the target of 85 the School will not be able to consider applicants with agricultural experience who are currently, or plan to, manage farms and who do not meet the general requirements.
3. The new category is for students whose academic records may not be competitive in the selection process.
4. The Faculty is directing recruitment activities towards Indigenous communities. The current regulations may be a barrier to Indigenous applicants without a competitive high school standing.
5. The criteria for the new category can be found in Appendix I.

Recommendation:

The Senate Committee on Admissions recommends that the proposal to create a special consideration category in the Diploma in Agriculture program be approved effective for the September, 2016 intake.

Respectfully submitted
Susan Gottheil, Chair, Senate Committee on Admissions

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

Appendix I

The criteria for the proposed Special Consideration category are as follows:

This category is for students whose academic records may not be competitive in the selection process. Such students may apply for special consideration only if they meet the criteria for special consideration as described below. Only a limited number of applicants may be admitted under the Special Consideration category. Meeting the eligibility requirements of this category is not a guarantee of admission.

Applicants would be eligible for special consideration if they either:

- Have academic records that are not a true reflection of their academic and intellectual merit because of their exceptional life circumstances (exceptional circumstances include physical, societal, educational, economic, medical, geographical and other obstacles encountered by the applicant), or
- Display skills and attributes in any or all personal, work, or community activities which indicate that they can make a significant contribution to the Agriculture Diploma Program or can make a significant contribution to Manitoba's agri-food industry and/or rural and northern Indigenous communities.

Students who apply for special consideration must submit the following documents:

- a. A typed personal statement not to exceed 800 words which includes the specific reasons why their application merits consideration within the Special Consideration category.
- b. A typed personal resume.
- c. Three Letters of Recommendation.

Those candidates who are applying on the basis of exceptional circumstances must submit supporting documentation to verify their exceptional circumstances. (For example, if a student is applying on the basis of exceptional medical circumstances, the student must submit official supporting documentation from a qualified medical professional.)

The Diploma Selection Committee composed of the Director, the Agriculture Diploma Program Academic Advisor and one Instructor will review the application and supporting documentation. All candidates will be interviewed by the Selection Committee and may be administered an academic skills test.

Criteria used when evaluating Special Consideration applicants include the applicant's maturity, scholastic ability, agricultural experience, motivation, leadership, and/or demonstrated initiative relevant to an agricultural career.

Up to 10% of admission spaces are available to Special Consideration Candidates recommended by the Diploma Selection Committee.



UNIVERSITY
OF MANITOBA

MEMORANDUM

Faculty of Agricultural and Food Sciences
256 Agriculture Building, University of Manitoba
Winnipeg, MB Canada R3T 2N2



04 March 2015

TO: Ms. Susan Gottheil, Chair, Senate Committee on Admissions

FROM: Dr. Jared Carlberg, Associate Dean (Academic), Faculty of
Agricultural and Food Sciences *J. Carlberg*

SUBJECT: Addition of a Special Consideration Admissions Category for the Diploma
in Agriculture Program

On January 19, 2015 the Faculty of Agricultural and Food Sciences' Faculty Council voted to approve a recommendation from its Curriculum Committee regarding an addition of a Special Consideration Admissions Category for our Diploma in Agriculture program.

Background

The Faculty of Agricultural and Food Sciences has resources to accommodate 85 new students each year for the Diploma in Agriculture Program. This year 102 applications were received for admission to the Agriculture Diploma Program.

In spring 2014, the Director of the School met with Erin Stone, Director of Admissions, to discuss the admission requirements for the Agriculture Diploma program. It was determined at that meeting that applicants could only be considered by the Selection Committee if the 85 seats were not filled by qualified applicants.

Approximately 107 applications were received for admission for September 2014 and 82 new students were accepted and registered for the first year of program. In addition, six applicants were considered by the Selection Committee; Five of these six applicants were admitted to the program.

The current 2014-2015 Undergraduate Calendar reads as follows:

2.3 Admission Requirements for the Diploma Program

Applicants must hold Manitoba high school graduation with a minimum of five Grade 12 credits at the S (Specialized), G (General) or U (Dual Credit-University) level, which include English 40S, Mathematics (40S or 45S) and a Science 40S. The minimum average over these three designated subjects is 60%. If the number of eligible candidates exceeds the available spaces, an academic average higher than the minimum may be required for admission. The equivalent level of studies from other Canadian provinces or other countries will be accepted.

Students without a suitable high school standing **may** be admitted upon the recommendation of the Diploma Selection Committee. The committee will review each application and interview the applicant. The maturity, scholastic ability and agricultural experience of the applicant will be considered.

Without changes to the admission requirements the School will not be able to consider applicants with agricultural experience who are currently or plan to manage farms and who do not meet the requirements if the number of qualified applicants fills our target quota of 85.

The Faculty is directing recruitment activities towards Indigenous communities. The current regulations may be a barrier to Indigenous applicants without a competitive high school standing. Ms. Stone met with Diploma Council on October 22 and November 24, 2014 to share information on how other Faculties are addressing these issues with their admission policies. Diploma Council subsequently approved the recommendation of the Special Consideration Category for the Diploma in Agriculture Program. The recommendation was then forwarded to Curriculum Committee where it was also approved and then to Faculty Council.

Recommendation:

On January 19, 2015 the Faculty of Agricultural and Food Sciences' Faculty Council passed a motion to recommend to the Senate Committee on Admissions that the following Special Consideration Category for the Agriculture Diploma Program admissions be approved:

Special Consideration Category – Agriculture Diploma

This category is for students whose academic records may not be competitive in the selection process. Such students may apply for Special Consideration only if they meet the criteria for Special Consideration as described below. Only a limited number of applicants may be admitted under the Special Consideration Category. Meeting the eligibility requirements of this category is not a guarantee of admission.

Applicants would be eligible for Special Consideration if they are considered by the Diploma Selection Committee because they either:

- have academic records that are not a true reflection of their academic and intellectual merit because of their *exceptional* life circumstances (exceptional circumstances include physical, societal, educational, economic, medical, geographical and other obstacles encountered by the applicant), or
- display skills and attributes in any or all personal, work, or community activities which indicate that they can make a significant contribution to the Agriculture Diploma Program or can make a significant contribution to Manitoba's agri-food industry and/or rural and northern Indigenous communities.

Students who apply for Special Consideration must submit the following documents:

- a) **a typed personal statement** not to exceed 800 words which includes the specific reasons why their application merits consideration within the Special Consideration Category.
- b) **a typed personal resume.**
- c) **three Letters of Recommendation.**

Those candidates who are applying on the basis of *exceptional* circumstances must submit **supporting documentation** to verify their exceptional circumstances. (For example, if a student is applying on the basis of *exceptional* medical circumstances, the student must submit official supporting documentation from a qualified medical professional.)

The Diploma Selection Committee composed of the Director, the Agriculture Diploma Program Academic Advisor and one Instructor, will review the application and supporting documentation. All candidates will be interviewed by the Selection Committee and may be administered an academic skills test.

Criteria used when evaluating Special Consideration applicants include the applicant's maturity, scholastic ability, agricultural experience, motivation, leadership, and/or demonstrated initiative relevant to an agricultural career.

Up to 10% of admission spaces are available to Special Consideration Candidates recommended by the Diploma Selection Committee. .

Report of the Senate Committee on Instruction and Evaluation RE: Revised Entrance Continuation, and Graduation Requirements, B.Sc.(Hons.) in Psychology

Preamble:

1. The terms of reference for the Senate Committee on Instruction and Evaluation (SCIE) are found on the web at:
http://umanitoba.ca/admin/governance/governing_documents/governance/sen_committees/502.htm
2. At its meetings on October 28, 2014 and February 12, 2015, the committee considered a proposal from the Faculty of Science to revise the entrance, continuation, and graduation requirements for the Bachelor of Science (Honours) in Psychology.

Observations:

1. The Faculty of Science is proposing the following changes to the entrance requirements for the B.Sc.(Hons.) in Psychology, as follows:
 - completion of PSYC 2260, with a minimum grade of B, which would replace the current requirement for PSYC 1200 (or both PSYC 1211 and PSYC 1221) with a minimum grade of B;
 - a minimum Degree Grade Point Average of 3.5, which would replace the current requirement for a minimum Grade Point Average of 3.25 on the first 24-30 credit hours.
2. The Faculty is proposing that the minimum Degree Grade Point Average required to continue in the program be increased to 3.5 from 3.25.
3. The Faculty is proposing that the minimum Grade Point Average required to graduate with a B.Sc.(Hons.) in Psychology be decreased to 3.0 from 3.25. The Grade Point Average, for both the current and proposed requirements, is based on the 120 credit hours that contribute to the degree.
4. Proposed changes to the Academic Regulations for the B.Sc.(Hons.) respond to recommendations made in a recent review of the undergraduate programs in the Department of Psychology, Faculty of Arts. In particular, the changes respond to a recommendation to increase the entrance and continuation requirements to ensure that students who graduate from the program are better prepared for graduate studies in Psychology. Corresponding changes to the entrance and continuation requirements for the B.A.(Hons.) in Psychology were previously approved by Senate (May 14, 2014).
5. The minimum Degree Grade Point Average required for continuation, for both the current and proposed requirements, is not consistent with Faculty's general Academic Regulations. In particular, the Honours Continuation Requirements specify that a minimum Degree Grade Point Average of 3.0 is required for continuation. Pending the approval of the revised continuation requirements for the B.Sc.(Hons.) in Psychology, the Faculty of Science has indicated that it will revise the Honours Continuation

Requirements to clarify that continuation requirements for B.Sc.(Hons.) in Psychology differ from those of other Honours programs in Science.

6. The revised minimum Grade Point Average of 3.0 required for graduation from the program is consistent with the graduation requirement for other Honours programs in the Faculty of Science. It also aligns with graduation requirements for the B.A.(Hons.) degrees in the Faculty of Arts, including the B.A.(Hons.) in Psychology, which require a minimum Degree Grade Point Average of 3.0 for graduation.

Recommendation:

The Senate Committee on Instruction and Evaluation recommends:

THAT Senate approve revised Academic Regulations concerning Entrance, Continuation, and Graduation Requirements for the Bachelor of Science (Honours) in Psychology, Faculty of Science, effective September 1, 2015.

Respectfully submitted,

Dr. Janice Ristock, Chair
Senate Committee on Instruction and Evaluation

Comments of the Senate Executive Committee:

The Senate Executive Committee endorses the report to Senate.



UNIVERSITY
OF MANITOBA

Faculty of Science

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239 Machray Hall
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Toll Free: 1-800-432-1960 ext. 8256

February 4, 2015

Dr. Janice Ristock
Chair of SCIE
Attention: Shannon Coyston, Academic Specialist

Re: Proposal to modify the entrance, continuation and graduation requirements in the B.Sc. Honours in Psychology

Dear Dr. Ristock;

Please find attached a proposal to modify the entry, continuation and graduation requirements in the B.Sc. Honours in Psychology. The proposal to modify the entrance requirements was approved at the Faculty of Science's Faculty Council meeting September 12, 2013. The proposal to modify the continuation and graduation requirements was approved at the Faculty of Science's Faculty Council meeting September 5, 2014.

To summarize the changes are in response to a recent external review of the psychology department. The recommendation is to require that students have completed PSYC 2260 with a grade of B or better to be able to enter the Honours program and to increase the overall entrance requirement from a 3.25 DGPA to a 3.5 DGPA. The continuation requirements will also increase from a DGPA of 3.25 to a 3.5 DGPA. Finally, the graduation requirements will change from a 3.25 on the 120 credit hours required to graduate to a 3.0 on the 120 credit hours required to graduate. The GPA requirements that are being proposed are in attempt to closely align the Faculty of Science's Honours Psychology GPA requirements with the Faculty of Arts Honours Psychology GPA requirements. This is done to the extent possible within the Faculty of Science's requirements.

Please contact me if you have further questions.

Sincerely,

Dr. Michele Piercey-Normore
Associate Dean, Faculty of Science

**PSYCHOLOGY
PROGRAM MODIFICATIONS
EFFECTIVE 2015 FALL TERM**

Proposed Changes to the B.Sc. Honours Degree in Psychology

Current Entrance, Continuation & Graduation Requirements:

Honours

***To enter** the Honours program, students must have obtained a grade of "B" or better in ~~PSYC 1200~~ (or in both ~~PSYC 1211~~ and ~~PSYC 1221~~) and a grade of "B" in six credit hours in courses offered by the Faculty of Science. In addition, students must have obtained a Grade Point Average of ~~3.25~~ or better ~~on their first 24-30 credit hours~~. Introductory courses in Biological Sciences, Chemistry, Computer Science, Mathematics or Statistics are highly recommended.

~~*Entry requirements for Fall 2015 are currently under review.~~

To continue in the Honours program, a student must register in a minimum of 9 credit hours in each Fall and Winter Term and must meet all of the continuation criteria of the Faculty of Science. In addition, students must maintain a minimum Degree Grade Point Average of ~~3.25~~ based on all courses in the program. Students who do not meet the minimum continuation requirement will be required to withdraw from the Honours program.

The department must approve a student's Honours program for each session. All revisions to the program must also have prior approval from the Associate Head (Undergraduate) or the Undergraduate Advisor.

To graduate, a student must obtain 120 credit hours of courses with grades of "C" or better in each course and with a minimum grade point average of ~~3.25~~ on the 120 credit hours that contribute to the degree. In addition, students must complete the program of study in the chart below.

Proposed Continuation & Graduation Requirements:

Honours

To enter the Honours program, students must have obtained a grade of “B” or better in **PSYC 2260** and a grade of “B” in six credit hours in courses offered by the Faculty of Science. In addition, students must have obtained a Degree Grade Point Average of 3.50. Introductory courses in Biological Sciences, Chemistry, Computer Science, Mathematics or Statistics are highly recommended.

Students will normally take PSYC 2260 in Year 2 and enter Honours in Year 3. Students who qualify for entry to the 4-Year Major in Psychology after Year 1 should choose that option. See the 4-Year Major entry requirements for details.

To continue in the Honours program, a student must register in a minimum of 9 credit hours in each Fall and Winter Term and must meet all of the continuation criteria of the Faculty of Science. In addition, students must maintain a minimum Degree Grade Point Average of **3.5** based on all courses in the program. Students who do not meet the minimum continuation requirement will be required to withdraw from the Honours program.

To graduate, a student must obtain 120 credit hours of courses with grades of “C” or better in each course and with a minimum grade point average of **3.0** on the 120 credit hours that contribute to the degree. In addition, students must complete the program of study in the chart below.

Summary of Changes:

1. Delete PSYC 1200 with a grade of B from the entry requirements and add PSYC 2260 with a grade of B to the list of requirements.
2. Increase the entrance DGPA from 3.25 to 3.50
3. Change the continuation requirements in the B. Sc. Honours Degree in Psychology from a 3.25 DGPA to a 3.5 DGPA.
4. Change the graduation requirement to a minimum GPA of 3.25 to 3.0 on the 120 credit hours that contribute to the degree.

Rationale:

The Department of Psychology recently underwent an external review of their Undergraduate Program. The Review Committee recommended that they enhance the entry requirements for the Honours program since the primary objective of this Honours degree program is to prepare students for a graduate and academic career in psychology. The review committee viewed the present entry requirements as falling below the typical qualifications for entry into psychology graduate programs. As a result, the Department of Psychology made changes to the BA Honours Psychology to address the recommendations of the review committee. Therefore, the changes proposed by the Faculty of Science for the BSc Honours Psychology are an attempt to align the requirements of the BSc Honours Psychology with those of the Faculty of Arts for the BA Honours Psychology, to the best extent possible.

Entrance requirements GPA: We propose the deletion of PSYC 1200 and addition of the requirement that applicants to the Honours program must have earned a grade of "B" or higher in PSYC 2260, which is the second-half of the department's two essential research methods courses. We also propose that students entering this program have a Degree GPA of 3.5 or higher. Students having demonstrated the capability to perform well in PSYC 2260 will help to ensure that students accepted into the Honours program will be most suitable for further training in psychology at the graduate level. At present, it is possible for students to gain entry to the Honours program after only 1) completing 24 undergraduate credit hours, 2) having a degree GPA of 3.25 or higher, and 3) earning a B or higher in PSYC 1200. Enhancing the entry requirements in this way will ensure that students have completed Psychology's 2000-level research methods courses before they register in other course requirements for the Honours program.

Continuation requirements GPA: The Faculty of Science uses a student's Degree Grade Point Average (DGPA) to assess a student's eligibility to continue in an Honours program. The DGPA is calculated as defined on the Registrar's Office website, <http://umanitoba.ca/student/records/grades/687.html>:

Degree Grade Point Average (DGPA)

The Degree GPA (DGPA) is defined as the grade point average of all courses acceptable for credit in a students' current degree/program subject to the rules regarding repeated courses as described below. The DGPA is calculated by dividing the quality point total by the total number of credit hours for courses acceptable for credit in the current faculty or school.

In Honours programs in the Faculty of Science students must obtain a DGPA of 3.0 to continue in the program. However, currently the regulations for the Psychology program require a student to obtain a DGPA of 3.25 to continue. The current proposal is requesting that the DGPA for continuation in Psychology be raised to 3.5. This proposal is consistent with previously proposed continuation requirements in the BA Honours Psychology but it is inconsistent with continuation requirements in the Faculty of Science.

If this proposal is approved, the Faculty of Science intends to change the wording in section 3.5, Honours Academic Regulations, in the Faculty of Science chapter of the Undergraduate Calendar, to clarify that the continuation requirements for BSc Honours Psychology students differs from those of other programs in the Faculty of Science.

Graduation requirements GPA: Since some students in the Faculty of Science take more than 120 credit hours of courses, the Faculty of Science assesses the eligibility of students to graduate only on the 120 credit hours that contribute to the degree. This is more beneficial to those students who take more than 120 credit hours and have a borderline GPA. This practice has been in place for all our students and for many years in the Faculty of Science. Therefore, to be consistent with our long-standing practice, we would like the wording for the graduation requirement to be "...a student's grade point average on the 120 credit hours that contribute to the degree".

Currently, students in Honours programs in the Faculty of Science, with the exception of the Psychology program, must have a minimum GPA of 3.0 on the 120 credit hours that contribute to the degree to be eligible to graduate. Students in the Honours program in Psychology must have a minimum of 3.25 on the 120 credit hours that contribute to the degree to be eligible to graduate. This proposal is to change the graduation requirement for the Honours Psychology program to a grade point average of 3.0 on the 120 credit hours required to graduate, which is consistent with our current practice.

March 3, 2015

Report of the Senate Committee on Rules and Procedures Regarding Revisions to the Faculty of Agricultural and Food Sciences Council Bylaws

Preamble

1. The terms of reference of the Senate Committee on Rules and Procedures are found on the University Governance website at:

http://umanitoba.ca/admin/governance/governing_documents/governance/sen_committees/509.html

wherein the Committee is charged with the responsibility to consider and to make recommendations to Senate on any matter concerning rules and procedures.

2. The Committee met (electronically) on February 20, 2015 to consider a proposed change to the Faculty of Agricultural and Food Sciences Council Bylaws, as recommended by the Faculty.

Observations

1. The Faculty of Agricultural and Food Sciences submitted its Faculty Council Bylaws with a revision to the terms of reference of the Curriculum Committee, being one of the Standing Committees of Faculty Council.
2. The Faculty of Agricultural and Food Sciences proposed that the authority of the Curriculum Committee to make recommendations to its Faculty Council with respect to variations in individual student programs be set out in the Faculty Council Bylaws.
3. The Senate Committee on Rules and Procedures reviewed the revision contained on page 23 of the Faculty of Agricultural and Food Sciences Council Bylaws. No concerns were expressed by the Committee regarding this change.

Recommendation

The Senate Committee on Rules and Procedures recommends:

THAT the revision to the Faculty of Agricultural and Food Sciences Council Bylaws be approved by Senate.

Respectfully submitted,

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

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

V CURRICULUM COMMITTEE

1. Composition of Committee

The Curriculum Committee shall consist of the Associate Dean (Academic) who shall be Chair, the Program Committee Chairs appointed by the Dean, the Director of the School of Agriculture, two faculty members elected by Faculty Council including representation from departments that are not represented on the Curriculum Committee as Program Chairs, and two students (one from the Degree and one from the Diploma program).

2. Terms of Reference

- a) The committee shall make recommendations to Faculty Council with respect to:
 - i. the conditions of entry into the diploma or degree programs;
 - ii. the degrees, diplomas and certificates of proficiency to be granted by the University pertaining to courses of study in the Faculty;
 - iii. the courses and programs of study offered at the undergraduate level of study required as qualification for the granting of diplomas, degrees, or certificates of proficiency; including variations in individual student programs from the undergraduate programs prescribed
 - iv. the regulations, methods and limits of instruction in the Faculty;
 - v. revisions of the University calendar as they relate to the undergraduate level of study with respect to conditions of entry; academic requirements for the granting of diplomas, degrees and certificates; probation standards; standards for academic suspension and reinstatement; courses and program descriptions; departmental requirements;
 - vi. the standards of performance required to remain in good standing, for reinstatement, for removal of probation, for the granting of credit of courses and for the granting of degrees, diplomas and certificates of proficiency.

- b) the Curriculum Committee shall meet on a regular basis and through the Committee Chair shall provide an annual report to Faculty Council of its activities.

(Amended by Faculty Council, ~~November 28, 2012~~
January 19th, 2015)

V CURRICULUM COMMITTEE

1. Composition of Committee

The Curriculum Committee shall consist of the Associate Dean (Academic) who shall be Chair, the Program Committee Chairs appointed by the Dean, the Director of the School of Agriculture, two faculty members elected by Faculty Council including representation from departments that are not represented on the Curriculum Committee as Program Chairs, and two students (one from the Degree and one from the Diploma program).

2. Terms of Reference

- a) The committee shall make recommendations to Faculty Council with respect to:
 - i. the conditions of entry into the diploma or degree programs;
 - ii. the degrees, diplomas and certificates of proficiency to be granted by the University pertaining to courses of study in the Faculty;
 - iii. the courses and programs of study offered at the undergraduate level of study required as qualification for the granting of diplomas, degrees, or certificates of proficiency, including variations in individual student programs from the undergraduate programs prescribed;
 - iv. the regulations, methods and limits of instruction in the Faculty;
 - v. revisions of the University calendar as they relate to the undergraduate level of study with respect to conditions of entry; academic requirements for the granting of diplomas, degrees and certificates; probation standards; standards for academic suspension and reinstatement; courses and program descriptions; departmental requirements;
 - vi. the standards of performance required to remain in good standing, for reinstatement, for removal of probation, for the granting of credit of courses and for the granting of degrees, diplomas and certificates of proficiency.
- b) the Curriculum Committee shall meet on a regular basis and through the Committee Chair shall provide an annual report to Faculty Council of its activities.

(Amended by Faculty Council, January 19th, 2015)

Report of the Faculty Council of Graduate Studies on Program and Curriculum Changes

Preamble:

1. The Faculty of Graduate Studies has responsibility for all matters relating to the submission of graduate course, curriculum and program changes. Recommendations for new programs or changes are submitted by the Faculty Council of Graduate Studies for the approval of Senate.
2. The Faculty Council of Graduate Studies voted via email on February 18, 2015 to consider a proposal from the Dept. of Entomology (Faculty of Agricultural & Food Sciences).

Observations

1. The **Dept. of Entomology** proposes the following reduction of credit hours at the M.Sc. and Ph.D. levels:

M.Sc.: from 12 CHs to **6 CHs**

Ph.D. (if already holding M.Sc.): from 12 CHs to **6 CHs**

Direct entry Ph.D. or for students transferring in first 18 months from M.Sc.: 12 CHs

The following italicized excerpt includes (as underlined) the proposed wording of the **M.Sc.** Program Requirements (per Sec. 4.4.1 of Entomology Supplemental Regulations)

A minimum of 6 credit hours of course work at the 7000 level or above plus a thesis are required. The Department of Entomology offers the M.Sc. degree only through the thesis route. As part of the course requirements specified in the general regulations, students must complete Advanced Entomology I (ENTM 7150)(3 CH), which is held in the winter term in each academic year. In addition to participating in the Departmental Seminars as part of this course, students are also expected to actively participate in the Department seminar series throughout their graduate program. Each student shall present at least one seminar on their research project in the Department Seminar series well in advance of their thesis defense date.

The following italicized excerpt includes (as underlined) the proposed wording of the **Ph.D.** Program Requirements (per Sec. 5.4.1 of Entomology Supplemental Regulations)

For students entering the Ph.D. program who have completed an M.Sc. degree, a minimum of 6 credit hours of course work at the 7000 level or above plus a thesis are required. As part of the 6 credit hours of course work at the 7000 level, students must take ENTM 7220 Advanced Entomology II (3 credit hours), which is an essay/seminar course offered each year in the winter term or hold credit in ENTM 7150 Advanced Entomology (3 credit hours). Students transferring from an M.Sc. to Ph.D. program would be required to take 12 credit hours at the 7000 level. As part of the 12 credit hours of course work at the 7000 level, students must take ENTM 7220 Advanced Entomology II (3 credit hours) or hold credit in

Report of the Faculty Council of Graduate Studies on Program and Curriculum Changes

ENTM 7150 Advanced Entomology (3 credit hours). In all cases, the advisory committee and department head will be responsible for ensuring that each student has the appropriate course work needed to be appropriately trained in the discipline of entomology.

The proposed reduction in course requirements will enhance the graduate experience by tailoring graduate programs in entomology to better fit the needs of the individual student. For students with a strong background in entomology the reduction in course requirements will allow them more time to focus on designing experiments and conducting their research. This will ultimately allow them to produce and publish their results in refereed journals more quickly and reduce their times to completion. There would be more time available for students to make use of opportunities to attend and present research at conferences and more time for them to receive specialized training in other laboratories if they are not as burdened by the need to attend regular lectures for course work. As a result they will be more competitive when applying for positions and funding to further their careers. It should be noted that students with gaps in their background expertise will still be required to take additional courses to achieve the disciplinary expertise required to function as an entomologist.

Students in both the M.Sc. and Ph.D. programs typically begin designing and implementing their research projects immediately upon entering the program and before any course work is completed.

This change was brought forward as a recommendation for improvement from the external reviewers of entomology's recently completed graduate program review. The benefits that would result from this change are articulated below.

1. The recent and successful implementation of a minor program in entomology at the undergraduate level has greatly improved the quality and background of many of the department's incoming graduate students. Those students and others who enter the graduate program with an excellent background in the discipline do not require as much course work to reach the level of competence required to excel in their discipline.
2. Currently students who switch from an M.Sc. to a Ph.D. program would be required to take 24 credit hours to complete their degree. For students who have a good background in the discipline it means they may have to take many courses that are not necessary and their time could be better spent working on their research and receiving specialized training that is not available through traditional course delivery.
3. The ability to spend more time on research and writing and less time on course work will help to reduce the time to completion of graduate students.
4. The Department of Biological Sciences at University of Manitoba (the discipline most closely related to Entomology) currently requires the same level of course work that entomology is requesting (6 credit hours at the M.Sc. level and 6 credit hours at the Ph.D. level). This modification would bring entomology's regulations in line with the standard biological sciences has already established.
5. A survey of related graduate programs at U15 Universities in Canada showed most other programs at the M.Sc. level require less than 12 credit hours of course work. This change

Report of the Faculty Council of Graduate Studies on Program and Curriculum Changes

would bring the programs more in line with the expectations of most other programs at research intensive universities in Canada.

Course requirements for Entomology, Zoology or Biological Sciences Graduate Programs at U15 Universities. McGill is the only other U15 University that has a program with an Entomology focus (in Environmental Entomology).

U15 University	Courses for M.Sc.** in Biological Sciences	Courses for Ph.D.** in Biological Sciences
University of Alberta	6 credit hours	3 to 6 credit hours
University of British Columbia	12 credit hours	0
University of Calgary	6 credit hours	6 credit hours
Dalhousie University	2 "full" credits	2 "full" credits
Université Laval	3 courses	3 courses
McGill University	2 courses in addition to various thesis credits associated with graduate seminar	graduate seminar credits other courses Flexible depend on students program
McMaster University	1 full course	0
Université de Montréal	3 courses (9 credits)	~2 courses (5 credits)
University of Ottawa	6 credit hours+seminar	6 credit hours+seminar
Queen's University	4 single term courses	0
University of Saskatchewan	9 credit hours	9 credit hours
University of Toronto	1 half course	2.5 half courses
University of Waterloo	3 one-term courses	4 one-term courses
University of Western Ontario	2 half courses	4 half courses

** does not include credit hours allocated to research proposals, research or candidacy exams

Recommendations

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

Dept. of Entomology

Respectfully submitted,

Dean J. Doering, Chair
Graduate Studies Faculty Council

/ak

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

Report of the Faculty Council of Graduate Studies on Program and Curriculum Changes

Preamble:

1. The Faculty of Graduate Studies has responsibility for all matters relating to the submission of graduate course, curriculum and program changes. Recommendations for new programs or changes are submitted by the Faculty Council of Graduate Studies for the approval of Senate.
2. The Faculty Council of Graduate Studies voted via email on February 18, 2015 to consider a proposal from the Dept. of Pharmacology & Therapeutics (College of Medicine, Faculty of Health Sciences).

Observations

1. The **Dept. of Pharmacology & Therapeutics** proposes the following reduction of credit hours at the M.Sc. and Ph.D. In addition, the department proposes the deletion of seven courses and the introduction of ten courses.

A. New credit hour requirements

M.Sc.: from 12 CHs to **9 CHs**

Ph.D. (if already holding M.Sc.): from 12 CHs to **6 CHs**

Direct entry Ph.D. or for students transferring in first 18 months from M.Sc.: **15 CHs**

In response to desires of new faculty and in conjunction with recommendations from the graduate review the department has elected to reduce its credit hour requirements for the M.Sc. and Ph.D. This process is also in keeping with the trend within the Faculty of Health Sciences and nationally. The department's new credit hr requirements now sit firmly in the middle range of course requirements in Pharmacology graduate degrees for M.Sc. and Ph.D. in Canada.

By reducing credit hours the major aim is to permit students more time to focus on their research project. The basic key facets of pharmacology will still be taught. However, additional time will be freed up for students to self-direct their learning, with guidance from their supervisor and advisory panel, in areas of the literature that directly relate to, and support, their research project. Consequently, there will be less need to 'feed' students concepts and facts and more emphasis placed on the students developing their own knowledge base through individual investigation of the literature. The need for greater productivity in terms of research output from our graduate students is driving this approach (this was flagged as an important area for improvement during the graduate review in summer 2014).

Pharmacology is a very broad topic that also requires coverage of significant areas of physiology to understand mechanisms of drug action. To cover all organ systems was a goal in the past – this is simply impossible now with the need to be competitive in the research arena. Therefore, the general background in pharmacology we now deliver, the

Report of the Faculty Council of Graduate Studies on Program and Curriculum Changes

new PHAC 7132 and PHAC 7134, will stream students into areas of neuropharmacology or cardiovascular pharmacology. This is in keeping with the two main research areas in the department.

Other course units (see below) have been reduced from 3 to 1.5 credit hour. Or units have been split into two 1.5 credit hour courses. The main purpose is to offer students a range of courses but provide flexibility. With the lower credit hour requirement it will now still be feasible for students to attend an array of pharmacology courses covering different aspects of the discipline. Students can attend more courses than the 9 or 15 credit hour requirements. Such decisions will be carefully assessed by the supervisor and advisory panels. Students will be allowed to choose as long as the rationale is well thought out.

U15 Pharmacology graduate programs: Credit hour requirements

M.Sc./Ph.D. (direct entry)

University of Alberta	6/9
University of British Columbia	12/12
Dalhousie	9/9
McGill	21/24
Queens	12/15
University of Saskatchewan	9/12
Western University	6/12

B. Revision of graduate courses

(a). *Revised PHAC 7130, Pharmacology, from 6 credit hour to 3 credit hour (two courses).*
This course remains an advanced pharmacology course that will remain compulsory for all graduate students (M.Sc. or Ph.D.) without a pharmacology background. The course remains lecture-based with supplementation by selective tutorials. The course is now less broad and is targeted at the student's specific research area. There will now be two choices of course – one will be neuroscience focused and the other cardiovascular focused (now termed PHAC 7132 and 7134).

(b). *Revised PHAC 7220, Molecular Pharmacology.*
This course remains at 3 credit hours but is now compulsory for all MSc and PhD students with or without a pharmacology background (now termed PHAC 7222). Molecular pharmacology is now a central component of all Pharmacology graduate courses in Canada. Therefore, the department has elected to make this unit a compulsory component of its graduate program and maintain its content at 3 credit hours.

(c). *Revised PHAC 7040, Cardiovascular regulation and drug action.*
This course is now a 1.5 credit hour offering (now PHAC 7042). This course will build on basic cardiovascular pharmacology delivered in PHAC 7134.

(d). *Revised PHAC 7060, Drug distribution, metabolism and excretion.*
This course has been split into two 1.5 credit hour units, Part A (fundamental aspects) and Part B (advanced). (now PHAC 7062 and 7064). This area of pharmacology teaches key concepts regarding drug action. One, 7062, is a basic unit providing broad concepts in this area. The second unit, 7064, is higher level. All students will be advised to take PHAC 7062.

Report of the Faculty Council of Graduate Studies on Program and Curriculum Changes

(e). Revised PHAC 7160, Neuropharmacology.

This course is revised to form two 1.5 credit hour units. One focuses on general neuropharmacology and is lecture based. This will complement content delivered in PHAC 7132. A new course is tutorial based and involves the student writing a grant application in the area of pharmacology. (now PHAC 7162 and 7164)

(f). Revised PHAC 7210, Clinical trial design.

This course is revised to form two 1.5 credit hour units. Part A focuses on preclinical drug discovery and Part B centers on human clinical trial design. (now PHAC 7212 and 7124)

Accepted by Faculty Committee for Graduate Studies, College of Medicine, Faculty of Health Sciences on 8th October 2014

Course Deletions

PHAC 7040	Cardiovascular regulation and drug action	-3
PHAC 7200	Pharmacology of the Liver	-3
PHAC 7130	Pharmacology	-6
PHAC 7220	Molecular Pharmacology	-3
PHAC 7060	Drug distribution, metabolism and excretion	-3
PHAC 7160	Neuropharmacology	-3
PHAC 7210	Clinical Trial Design	-3

Course Introduction

PHAC 7132	General Pharmacology – Neuroscience Stream	3
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Three hours a week for one term. General pharmacological principles including pharmacodynamics of the more important groups of drugs, the factors which control and modify their effects, and the basis for rational selection and administration of drugs in the treatment of neurological disease. Prerequisite: permission of the department.

PHAC 7134	General Pharmacology – Cardiovascular Stream	3
------------------	---	----------

Three hours a week for one term. General pharmacological principles including pharmacodynamics of the more important groups of drugs, the factors which control and modify their effects, and the basis for rational selection and administration of drugs in the treatment of cardiovascular disease. Prerequisite: permission of the department.

Report of the Faculty Council of Graduate Studies on Program and Curriculum Changes

Evaluate the essential elements of clinical trials as the basis for determining the potential value of interventions advocated for the treatment of diseases in humans. Topics include designing a study question, types of clinical trial designs, methods for randomization, sample size calculations, and ethics. The format will include assigned readings, lectures, discussion and assignment preparation.

Evaluate the essential elements of clinical trials as the basis for determining the potential value of interventions advocated for the treatment of diseases in humans. Topics include recruitment, baseline assessment, reporting morbidity and mortality, data collection, and survival analysis. While it is suggested that PHAC 7212 is taken before PHAC 7214 since there is a natural progression of information, it is not required that both courses are taken.

Report of the Faculty Council of Graduate Studies on Program and Curriculum Changes

Preamble:

1. The Faculty of Graduate Studies has responsibility for all matters relating to the submission of graduate course, curriculum and program changes. Recommendations for new programs or changes are submitted by the Faculty Council of Graduate Studies for the approval of Senate.
2. The Faculty Council of Graduate Studies voted via email on February 18, 2015 to consider a proposal from the Dept. of Preventive Dental Sciences (Pediatric Dentistry) (College of Dentistry, Faculty of Health Sciences).

Observations

1. The **Dept. of Preventive Dental Sciences** proposes an amendment to the course and credit hour requirements of the **Master of Dentistry in Pediatric Dentistry**.
 - The original program proposal stated an addition error of 51 total core credit hours. The total core should have been 54 credit hours.
 - The original program proposal incorrectly stated that core courses DDSS 7060 Advanced Oral Pathology and ANAT 7060 Advanced Human Macroscopic Gross Anatomy are worth 3 credit hours, when in fact each is assigned 6 credit hours.
 - These corrections will result in 60 hours of core courses.

Following this and the discussions with the Faculty of Graduate Studies, the Pediatric Dentistry Graduate Program Committee has recommended the change of the list of core courses of the Program by adding the course NATV 3240 or equivalent, from the list of elective courses to the list of core courses and eliminating the rest of the list of the elective courses (CHSC 7220, CHSC 7310, CHSC 7350, CHSC 7520, FMLY 2350, NATV 2100, SWRK 2080).

Rationale:

- Transfer of course Native Medicine and Health (NATV 3240; 3 credit hours) as a required core course. Of the present 10 elective courses, course NATV 3240 fits very well the program needs and for this reason the program suggests that this course should be added to the list of core courses. **This will lead to the program requirement of 63 core credit hours**
- Deletion of all other elective courses, as with the addition of the NATV 3240, the program will have the required 63 core credit hours and there will not be no need for any additional list of courses

Note: The Academic Programs Committee recommended that a letter of support be

Report of the Faculty Council of Graduate Studies on Program and Curriculum Changes

obtained from the Dept. of Native Studies concerning the offering of NATV 3240 Native Medicine and Health. The response from the Native Studies Dept. Head indicated that the course has been offered on a regular basis and will continue to be in the foreseeable future. However, it is a stipend-based course offering and no tenured faculty will likely teach it. An equivalent Aboriginal Healing Ways course is also offered by the department.

Recommendations

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

Dept. of Preventive Dental Sciences (Pediatric Dentistry)

Respectfully submitted,

Dean J. Doering, Chair
Graduate Studies Faculty Council

/ak

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

Report of the Senate Committee on Instruction and Evaluation RE: Proposal for Direct Entry Process, Faculty of Science

Preamble:

1. The terms of reference for the Senate Committee on Instruction and Evaluation (SCIE) are found on the web at:
http://umanitoba.ca/admin/governance/governing_documents/governance/sen_committees/502.htm
2. At its meeting on October 28, 2014, the Committee considered a proposal from the Faculty of Science to establish academic regulations concerning the entrance process for students admitted to the Faculty via Direct Entry.

Observations:

1. The Faculty of Science is proposing that students admitted to the Faculty via Direct Entry be admitted to an undeclared four-year Bachelor of Science (Major) program. Upon the completion of 24 to 36 credit hours, qualified students would declare either a four-year Bachelor of Science (Major) or Bachelor of Science (Honours) program. Students who do not meet the requirements for entrance to a four-year Major or Honours program would be required to transfer into the three-year Bachelor of Science (General) degree program. These students could subsequently elect to transfer to a four-year Major or Honours program based upon successful completion of the entrance requirements.
2. The objective of the proposal is to encourage more Science students to complete a four-year Major or Honours degree. It was noted at the meeting that approximately 75 percent of undergraduate students registered in the Faculty of Science are enrolled in the three-year General degree program.
3. The rationale is that a four-year degree is normally required for admission to graduate studies. Also, some institutions now require a four-year undergraduate degree for admission to their medicine programs.

Recommendation:

The Senate Committee on Instruction and Evaluation recommends:

THAT Senate approve the Report of the Senate Committee on Instruction and Evaluation regarding the establishment of academic regulations concerning an entrance process for Direct Entry, Faculty of Science, effective September 1, 2016.

Respectfully submitted,
Dr. Janice Ristock, Chair
Senate Committee on Instruction and Evaluation

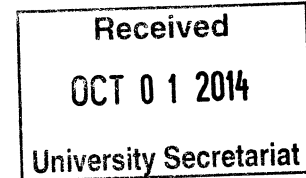
Comments of the Senate Executive Committee:
The Senate Executive Committee endorses the report to Senate.



UNIVERSITY
OF MANITOBA

Faculty of Science

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Toll Free: 1-800-432-1960 ext. 8256



September 22, 2014

Dr. Janice Ristock
Chair of SCIE
Attention: Shannon Coyston, Academic Specialist

Re: Proposal to introduce academic regulations related to the entrance process for Direct Entry Faculty of Science students

Dear Dr. Ristock;

Please find attached a proposal to introduce academic regulations that would apply to Direct Entry students when they enter the Faculty of Science. This proposal was approved at the Faculty of Science's Faculty Council meeting September 5, 2014.

This should appear in the Faculty of Science's section of the calendar under Section 2.1, Direct Entry Admissions Requirements, after the list of entrance requirements that are currently listed.

Please contact me if you have further questions.

Sincerely,

Dr. Michele Piercey-Normore
Associate Dean, Faculty of Science

PROPOSALS

FACULTY OF SCIENCE INTRODUCTION TO THE ACADEMIC REGULATIONS EFFECTIVE 2015 FALL TERM

Currently:

Currently direct entry students enter the Faculty of Science as 3-year General degree students.

Proposed Calendar Entry:

Faculty of Science Direct Entry students are admitted to a 4-Year undeclared Major program. While in the undeclared Major, students will take courses to allow them to declare a specific Major or enter an Honours program. To declare a specific Major or enter an Honours program students will need to satisfy the entry requirements as outlined in Section 4, Programs and Courses Offered by the Faculty of Science.

Following the completion of 24-30 credit hours students will declare their Major program, or enter the Honours program, or they may choose to enter the 3-Year General degree. Students who do not qualify for a specific Major or Honours program will be required to move into the 3-Year General degree. Students who wish to be in a Major or Honours program but did not qualify can complete the outstanding requirements while in the General degree program and enter the program upon completion of the requirements.

Rationale:

Many major universities in Canada offer only 4-year major and honours degrees. Some, including the University of Manitoba, also offer 3-year degrees. At the other major universities that offer both paths, Science students normally choose a 4-year degree. It is the preferred, really the only, route to a career or further study in science, and the normal route to professional programs.

The University of Manitoba is unique among major Canadian universities in the high proportion of students who choose to do a 3-year degree. Although we do not know definitively why it is so low here, it appears that this has long been viewed as the “normal” degree. For example, since the formation of University 1 and continuing until a few years ago, students who transited to Science would do so to the 3-year program. They would then need to take special steps to change. The system created a wide-spread culture that the 3-year degree is the norm, and the 4-year degree something special.

We need to reverse this thinking, and create a culture where the 4-year degrees are the norm. One step taken a few years ago was to broaden the options for transiting from U1 to Science. Students can now transit directly into many of our 4-year Major programs or to the 3-year program. Other steps have comprised a concerted effort to convince students of the merits of first choosing a 4-year program, and subsequently transferring to a 3-year program if necessary or desirable.

Unfortunately, when direct entry to the Faculty of Science was approved, the 3-year program was the only option that was made available. This replicated the problem with transiting from U1 which we had corrected earlier. In fact, it was arguably worse because these direct-entry students are ones we should be especially targeting for majors and honours programs: they have strong academic records and are interested in science. Forcing them into the 3-year program reinforces the dated notion that this is the “normal” program.

Our proposal above corrects this situation, providing pathways to all our programs, while pointing to the 4-year options as the preferred ones for these students.

Report of the Senate Planning and Priorities Committee RE: Proposal for a Direct Entry Process, Faculty of Science

Preamble:

1. The terms of reference of the Senate Planning and Priorities Committee (SPPC) are found on the website at http://umanitoba.ca/admin/governance/governing_documents/governance/sen_committees/508.htm wherein SPPC is charged 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 SPPC met on January 26, 2015 to consider the resource implications of a proposal for a Direct Entry process for the Faculty of Science. The proposed process would result in Direct Entry applicants to the Faculty being admitted to an undeclared four-year Bachelor of Science (Major) program, by default, rather than the three-year Bachelor of Science (General) degree. Upon the completion of 24 to 36 credit hours, qualified students would declare either a four-year Bachelor of Science (Major) or Bachelor of Science (Honours) program. Students who do not meet the requirements for entrance to a four-year Major or Honours program would be required to transfer into the three-year Bachelor of Science (General) degree program.
3. The Senate Executive had previously considered the proposal, together with a recommendation from the Senate Committee on Instruction and Evaluation to endorse the proposed Direct Entry process, at its meeting on December 10, 2014, and had referred the proposal to the SPPC to consider the potential resource implications.
4. The Senate Executive had observed that, given 75 percent of Science students complete a three-year degree, were the implementation of the proposed Direct Entry process to result in a greater proportion of Science students completing a four-year Bachelor of Science degree, a significant number of students who otherwise would have completed only 90 credit hours of coursework, would be required to complete 120 credit hours. It might be expected that greater capacity in the system would be required to accommodate such a shift. The Faculty of Science was asked to comment on the resource implications of the proposal, for the Faculty and for the University, including, teaching, library, and space resources, as well as the potential impact on student services.

Observations:

1. The Faculty of Science estimates that implementation of the proposed Direct Entry process might require, at the most, an additional \$70,000 per year to support upper level undergraduate students.
2. The Faculty's assessments of the potential impacts of the proposed process involved the assumptions that: (i) the distribution of Direct Entry students across the various programs offered by the Faculty would be similar to the current distribution and (ii) 75 percent of Direct Entry students would declare a four-year Major upon completion of 24 –

36 credit hours. The assumption of 75 percent is expected to be high. At present, only 25 percent of the roughly 4,000 students in the Faculty of Science are enrolled in a four-year program.

3. The Faculty estimates that enrolment in four-year programs would increase by approximately 240 students, in 2015-2016, were the proposed Direct Entry process to be implemented.
4. Using data from 2014 on available spaces in 3000- and 4000-level Science courses, the Faculty foresees that additional resources, including resources for teaching and for laboratory spaces and supplies, might be required to offer additional course sections in Biological Sciences and Computer Science. Increased enrolment in four-year programs offered by other departments could be absorbed by available spaces in courses.
5. No additional resources would be required for student advising. The SPPC was informed that the Faculty had recently increased the number of student advisors by 0.5 FTE to 5.0 FTE positions.
6. The Library has indicated that no additional library resources would be required to support the proposal.
7. The SPPC observed that implementation of the proposed Direct Entry process in the Faculty of Science would not have any significant resource implications. It was noted that the Faculty had estimated the potential cost based on the most costly scenario and that, in fact, there is capacity for additional students in most 3000 and 4000 level courses.
8. The committee observed that one strength of the proposed Direct Entry process is that students in this cohort would be required to declare a four-year Major or Honours program upon the completion of 24 – 36 credit hours, which would facilitate planning in the Faculty, with respect to the use of teaching and space resources, in particular.

Recommendation

The Senate Planning and Priorities Committee recommends:

THAT Senate approve the establishment of academic regulations concerning an entrance process for Direct Entry, Faculty of Science, effective September 1, 2016.

Respectfully submitted,

Ada Ducas, Chair
Senate Planning and Priorities Committee

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



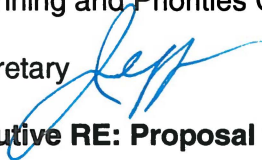
UNIVERSITY
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Office of the University Secretary

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Tel. (204) 474-9593
Fax (204) 474-7511

DATE: January 19, 2015

TO: Ms. Ada Ducas, Chair, Senate Planning and Priorities Committee

FROM: Mr. Jeff M. Leclerc, University Secretary 

SUBJECT: Item Referred from Senate Executive RE: Proposal for a Direct Entry Process, Faculty of Science

At its meeting on December 10, 2014, the Senate Executive Committee considered a proposal from the Faculty of Science for a Direct Entry process. The Senate Executive referred the proposal to the Senate Planning and Priorities Committee (SPPC), to consider potential resource implications of the proposal.

Senate Executive observed that, currently, 75 percent of Science students complete a three-year program. If implementation of the proposed Direct Entry process were to result in a greater proportion of Science students completing a four-year Bachelor of Science degree, a significant number of students who would have completed only 90 credit hours in a three-year program would be required to complete 120 credit hours toward a four-year degree. It might be expected that greater capacity in the system would be required to accommodate such a shift.

Senate Executive asked the Faculty of Science to comment on the resource implications of the proposal, for the Faculty and the University. The Faculty's response is attached, together with the proposal for a Direct Entry Process.

/sc
Attachments

THE UNIVERSITY OF MANITOBA
Faculty of Science
249 Machray Hall

INTER-DEPARTMENTAL CORRESPONDENCE

DATE: January 12, 2015

TO: Senate Planning and Priorities Committee

FROM: Dr. Stefi Baum, Dean and Dr. M. Piercey-Normore, Associate Dean
(Undergraduate Studies), Faculty of Science

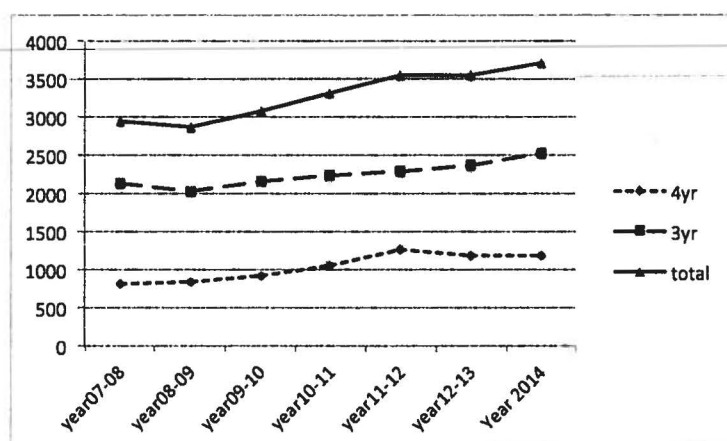
RE: **Resource implications for the proposed change to the Science Direct Entry (DE) students to enter the 4-year undeclared program as the default rather than the 3-year program.**

Summary

There are many uncertainties inherent in predicting the impact of a change in default for the Direct Entry program from 3-year to 4-year. These projections must be considered in the light of the existing increase in students in the Faculty of Science (FoS), overall and in suggested changes to the minimum math entry grades for FoS, the expectations of changes to the VW policy, and longer term utilization of math placement exams, which should impact resources favorably within the FoS. However, utilizing the assumptions discussed below, and analyzing only the impact of a change in the default Direct Entry program, we anticipate that the change in Direct Entry default program to 4-year may incur additional costs of \$70,000 per year to support upper level students. However, we note, given the steady increase in size of the FoS student population over the past 5 years, and the fact that many students do not declare majors until their third or fourth years, this change from default entry program is likely to be small relative to the overall impact of student growth in science.

Rationale

The number of UM students enrolled in the FoS has been steadily rising over the past 5 years, with a 20% increase in science enrolment during this period. At the same time the percentage of students enrolled in the four year programs versus the three year general science degree program has been essentially flat at roughly 33%, within the noise. Thus, we are already projecting a rise in the number of students in our 4-year majors based on the growth in our student population over the past several years.



Increase in enrolment growth for the 3-year, 4-year programs and the total enrolment increase since 2007.

Proportion of enrolments in 4-year program to the total enrolment since 2007.

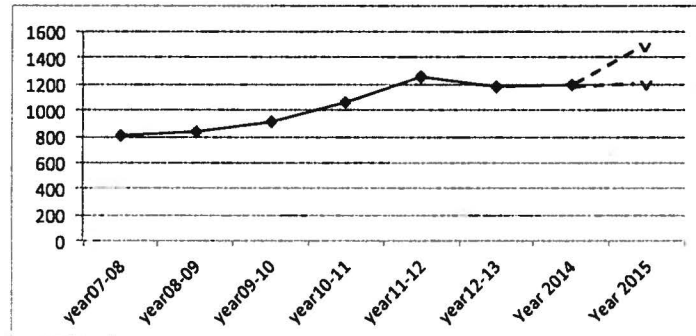
2007/08	2008/09	2009/10	2010/11	2011/12	2012/13	2014
37.8%	29.2%	29.6%	32%	35.5%	33.2%	31.9%

We are proposing, at this time, to change the default direct entry program from 3-year General Science program to the 4-year major degree program. We cannot apriori predict whether this will have any impact on the % of science students who ultimately graduate from one of the 4-year majors (much less which majors) or whether the same % of 3-year General Science majors to 4-year degree program majors is retained under the new system. Likewise we cannot apriori predict whether the % of students leaving the FoS will evolve in the future.

Nevertheless, we performed some basic analyses to investigate the possible impact of the change in default direct entry program to the 4-year program. The number of direct entry (DE) students entering 4-year programs within the Faculty of Science was analysed, first using the assumption that the distribution of DE students in our programs would be similar to the current distribution of students in our programs; and second using the assumption that 75% of DE students (~300 students) would declare a 4-year program in Science.

The outcomes showed that in the worst case two additional sections might be needed to cover the increased number of registrants in Biological Sciences and five additional sections would be needed to cover the increased number of registrants in Computer Science. It must be taken into account that Biochemistry and Genetics students take many of their courses in Microbiology and Biological Sciences (and some Chemistry), which would increase the enrolments in these departments. The increase in other departments could be absorbed by the available spaces according to the 2014 course capacities.

The average rate of increase in DE students, today, in the absence of any change in the default program, is 72.5 students per year resulting in a projected enrolment of 298 DE students admitted for next year. The natural increase in enrolment of our 4-year programs without the proposed change to the default DE program predicts that we will have 1200 4-year major students. If an additional number of DE students were enrolled as a result of the proposed change we might instead thus have ~1500 students in our 4-year programs.



Projected numbers of enrolments in the 4-year programs with the proposed 4-year default and an assumption that 75% of direct entry students stay in the 4-year program (upper x) and currently with the 3-year default (lower x) admission to Science.

The projected numbers of DE students did not take into account students that drop out, or transfer to other Faculties or institutions. Based on the 2012 cohort, ~20% of the DE students were lost for these reasons.

We do not expect an impact on student services in the Faculty since 4.5 advisors managed growth in enrolment of almost a thousand students over the last few years. More than one year ago we increased support by another 0.5 advisor. Based on these ratios, this support is sufficient if we grow by another 240 students.

Thus we model that the change to the default DE program to 4-year, may result in as many as an additional cohort of ~240 students in upper year courses within the next 3-4 years, independent of any change in overall enrolment within FoS. We should note that regardless of any change in the DE default program, with a pool of ~3000 General Science 3-year students, small changes in the % of students independently choosing which degree program to pursue (influenced largely by external economics and opportunities) can have a substantial impact on resources to support these students, quite independent of the default program.

Estimated cost for increased number DE students for the proposed 4-year default admission.

	No. sessionals	Cost/sessional	No. TAs	Cost/TA	No. students	Cost per student	Total
Biological Sciences	2	6200	2	1700	182	100	34,000
Computer Science	5	6200	5	1000	559	0	36,000
Microbiology	0	6200	0	1700	0	200	0
Total cost for increased number of DE students in the proposed change							\$70,000

MPN/rb

DATE: January 24, 2015

TO: Dr. Stefi Baum, Dean and Dr. M. Piercey-Normore, Associate Dean
(Undergraduate Studies) Faculty of Science

FROM: Mary- Jo Romaniuk, University Librarian, Vera Keown, Associate
University Librarian, Christine Shaw, Acting Head Sciences and Technology
Library

RE: Library Resource implications for proposed change to the Science Direct
Entry students

Summary

The Faculty of Science is proposing a change to the default program for direct entry students from a three year program to a four year program. The following is a broad look at the impact this change would have on the Sciences and Technology Library. Three areas should be considered, that of the library's physical space, the collections and research support provided by liaison librarians. These implications are based on the consideration that direct entry will increase the number of students in the Faculty of Science overall and increase the number in third and fourth years where heavier demand for research support and use of library resources would be expected. The Sciences and Technology Library is able to support this change and looks forward to working with the faculty to enhance the overall science student experience. Some concerns discussed below can be addressed at a future time while other could have short term solutions.

Physical Space:

The Sciences and Technology Library has made some improvements to the study space available to students in the last year, adding two new group study rooms. Looking forward more group study space is needed and increases in student numbers would amplify the demand further. Quiet study space is required by students at all times in the academic year and especially during peak study periods such as mid-term exams, end of term and final exams. Library carrels and tables are used to capacity during these times. Future opportunities for repurposing the upper floors to provide a flexible use of space for both individual and group study would address this concern. Portable group study "pods" or additional study rooms may be needed as well as more individual study carrels.

A need for additional computers, either desktop or laptop, is foreseeable. A specific concern involves increases to the BIOL1020/1030 courses. Currently, lectures are made available on DVD. If lectures are moved to video streaming the library could see an increase in the demand for computers and a corresponding demand for more power outlets. The purchase of new wired carrels could be considered. A recent investigation into the cost of new carrels for the 3rd, 4th and 5th floors received a total estimated price range of between \$324,000 and \$450,000. Similarly, video streaming will require a review of Wi-Fi delivery within the library to ensure adequate supply.

Collections:

The physical collection takes up a significant amount of space on the upper floors of the library. Repurposing any of the library's space would involve removing and reorganizing the collection. As the University of Manitoba Libraries has no storage space available on or off campus alternative solutions would be needed. The purchase of electronic back files for journal titles that could then be deselected from the collection and free up space for repurposing is a possible solution. However at the current level of funding the Libraries would not be able to support the purchase of any back files.

The Sciences and Technology Library collect textbooks to place on reserve for high attendance courses such as STAT1000 (basic statistical analysis), BIOL1020/1030 (Biology 1&2), CHEM1300 (organic chemistry), Physics and Astronomy courses and select other courses. Review of the number of textbooks required for reserve and an investigation of electronic options if additional funding could be found would be necessary.

Research Support and Information Literacy:

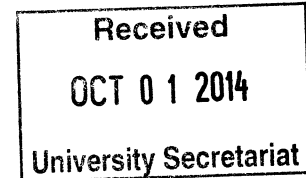
The revised staffing model implemented this year has positioned the Sciences and Technology Library well for increases in research support to third and fourth year students. Liaison librarians are available for in-class information literacy instruction and, on-one consultations or small group instruction. Implementation of specific information literacy exercises into courses to ensure meeting ACRL Information Literacy Standards for Sciences and Engineering/Technology can be developed for third and fourth year students. Successful integration of this type of information literacy skills, including the possible introduction of data management and scholarly communication topics, into the curriculum would require collaboration with faculty and librarian. The Sciences and Technology Library has worked cooperatively with the Academic Writing Centre to provide writing tutor in the library, we welcome further collaboration with other student support services.



UNIVERSITY
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Faculty of Science

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September 22, 2014

Dr. Janice Ristock
Chair of SCIE
Attention: Shannon Coyston, Academic Specialist

Re: Proposal to introduce academic regulations related to the entrance process for Direct Entry Faculty of Science students

Dear Dr. Ristock;

Please find attached a proposal to introduce academic regulations that would apply to Direct Entry students when they enter the Faculty of Science. This proposal was approved at the Faculty of Science's Faculty Council meeting September 5, 2014.

This should appear in the Faculty of Science's section of the calendar under Section 2.1, Direct Entry Admissions Requirements, after the list of entrance requirements that are currently listed.

Please contact me if you have further questions.

Sincerely,

Dr. Michele Piercey-Normore
Associate Dean, Faculty of Science

PROPOSALS

FACULTY OF SCIENCE INTRODUCTION TO THE ACADEMIC REGULATIONS EFFECTIVE 2015 FALL TERM

Currently:

Currently direct entry students enter the Faculty of Science as 3-year General degree students.

Proposed Calendar Entry:

Faculty of Science Direct Entry students are admitted to a 4-Year undeclared Major program. While in the undeclared Major, students will take courses to allow them to declare a specific Major or enter an Honours program. To declare a specific Major or enter an Honours program students will need to satisfy the entry requirements as outlined in Section 4, Programs and Courses Offered by the Faculty of Science.

Following the completion of 24-30 credit hours students will declare their Major program, or enter the Honours program, or they may choose to enter the 3-Year General degree. Students who do not qualify for a specific Major or Honours program will be required to move into the 3-Year General degree. Students who wish to be in a Major or Honours program but did not qualify can complete the outstanding requirements while in the General degree program and enter the program upon completion of the requirements.

Rationale:

Many major universities in Canada offer only 4-year major and honours degrees. Some, including the University of Manitoba, also offer 3-year degrees. At the other major universities that offer both paths, Science students normally choose a 4-year degree. It is the preferred, really the only, route to a career or further study in science, and the normal route to professional programs.

The University of Manitoba is unique among major Canadian universities in the high proportion of students who choose to do a 3-year degree. Although we do not know definitively why it is so low here, it appears that this has long been viewed as the “normal” degree. For example, since the formation of University 1 and continuing until a few years ago, students who transited to Science would do so to the 3-year program. They would then need to take special steps to change. The system created a wide-spread culture that the 3-year degree is the norm, and the 4-year degree something special.

We need to reverse this thinking, and create a culture where the 4-year degrees are the norm. One step taken a few years ago was to broaden the options for transiting from U1 to Science. Students can now transit directly into many of our 4-year Major programs or to the 3-year program. Other steps have comprised a concerted effort to convince students of the merits of first choosing a 4-year program, and subsequently transferring to a 3-year program if necessary or desirable.

Unfortunately, when direct entry to the Faculty of Science was approved, the 3-year program was the only option that was made available. This replicated the problem with transiting from U1 which we had corrected earlier. In fact, it was arguably worse because these direct-entry students are ones we should be especially targeting for majors and honours programs: they have strong academic records and are interested in science. Forcing them into the 3-year program reinforces the dated notion that this is the “normal” program.

Our proposal above corrects this situation, providing pathways to all our programs, while pointing to the 4-year options as the preferred ones for these students.