

Senate
Senate Chamber
Room E3-262 Engineering Building
WEDNESDAY, May 17, 2006
1:30 p.m.
Regrets call 474-6892

AGENDA

I **CANDIDATES FOR DEGREES,
DIPLOMAS AND CERTIFICATES - MAY 2006** Page 17

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

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

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

III **ELECTION OF SENATE REPRESENTATIVES**

1. **To the Board of Governors** Page 18
2. **To the Senate Executive Committee** Page 20
3. **Election of a Student Member to
the Senate Executive Committee** Page 21

IV **MATTERS RECOMMENDED FOR CONCURRENCE WITHOUT DEBATE**

1. **Report of the Senate Committee
On Curriculum and Course Changes
Re: Minor Course and Curriculum Changes** Page 22

V **MATTERS FORWARDED FOR INFORMATION**

1. **Report of the Senate Committee on Awards** Page 46
2. **Annual Reports of Standing Committees of Senate**
 - a) **Academic Computing** Page 59
 - b) **Academic Dress** Page 60
 - c) **Academic Freedom** Page 61
 - d) **Academic Review** Page 62

e)	<u>Admissions</u>	Page 63
f)	<u>Admission Appeals</u>	Page 65
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h)	<u>Appeals</u>	Page 68
i)	<u>Approved Teaching Centres</u>	Page 69
j)	<u>Awards</u>	Page 70
k)	<u>Calendar</u>	Page 72
l)	<u>Curriculum and Course Changes</u>	Page 73
m)	<u>Ethics of Research Involving Human Subjects</u>	Page 74
n)	<u>Honorary Degrees</u>	Page 76
o)	<u>Instruction and Evaluation</u>	Page 77
p)	<u>Joint Master's Program</u>	Page 78
q)	<u>Joint Master's Program Appeals</u>	Page 79
r)	<u>Libraries</u>	Page 80
s)	<u>Medical Qualifications</u>	Page 81
t)	<u>Nominations</u>	Page 82
u)	<u>Planning and Priorities</u>	Page 83
v)	<u>Rules and Procedures</u>	Page 85
x)	<u>University Research</u>	Page 86
3.	<u>Statement of Intent: Aboriginal Design and Planning Baccalaureate Degree</u>	Page 90
4.	<u>Correspondence from the Vice-President (Academic) & Provost</u>	
a)	<u>Aboriginal Design and Planning Baccalaureate Degree</u>	Page 96
b)	<u>Master of Fine Arts</u>	Page 97
VI	<u>REPORT OF THE PRESIDENT</u>	
VII	<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.

VIII CONSIDERATION OF THE MINUTES:

- a) MEETING OF APRIL 5, 2006
- b) SPECIAL MEETING OF APRIL 27, 2006

IX BUSINESS ARISING FROM THE MINUTES

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

- 1. Report of the Senate Executive Committee
 - a) Monthly Report Page 98
 - b) Concerns raised at the April 5, 2006 Senate
surrounding the Limited Access Policy Page 99
- 2. Report of the Senate
Planning and Priorities Committee

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

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

- 1. Proposal for a Bachelor of Health Sciences/
Bachelor of Health Studies Page 102
 - a) Report of the Senate
Planning and Priorities Committee Page 144
 - b) Report of the Senate Committee on
Course and Curriculum Changes Page 146
- 2. Report of the Programs and Planning Committee of the
Faculty of Graduate Studies on
course proposals/modifications/deletions Page 149
 - a) Report of the Senate
Planning and Priorities Committee Page 151
- 3. Report of the Senate Committee on
Instruction and Evaluation
re: modifications to rules for academic standing Page 152
- 4. Report of the Senate Committee on Admissions

- a) re: Faculty of Education to change the breadth requirement for its B.Ed. Program
– Early and Middle Years

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- b) re: Faculty of Medicine to remove the requirement for English or French literature

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XII ADDITIONAL BUSINESS

XIII ADJOURNMENT

Please Call Regrets to 474-6892.

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CANDIDATES FOR DEGREES, DIPLOMAS AND CERTIFICATES

1. Degrees Notwithstanding a Deficiency

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

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

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

2. Report of the Senate Committee on Appeals

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

3. List of Graduands

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

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

The Speaker for the Senate Executive Committee will make the appropriate motion approving the list of graduands, subject to the right of Deans and Directors to initiate late changes with the Director of Student Records up to May 19, 2006.

Election of Senate Representatives to the Board of Governors

General

Section 11.2 of the *Senate Handbook* outlines the procedures to be followed for the election of members of Senate to the Board of Governors. Among the more important procedures are the procedures governing nominations, the means of balloting, and the procedures to be followed in the event of a tie vote.

Special attention is directed to Clause 11.2.3, which reads in part "...If the person nominated is not present, the nominator must state that the person nominated has consented to the nomination."

Election of Senate Representatives to the Board of Governors

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

3. Members-at-large

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

4. Students and *Ex Officio* Members

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

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

5. Present Senate representatives on the Board:

Professor J. Cooper (Music)	2006
Professor J. Hoskins (St. John's College)	2007
Professor D. Ruth (Engineering)	2008

6. Not eligible for elections are: the Chancellor; the President; and the Board representatives on Senate, Mr. S. Reddy and Mr. T. Sargeant.

7. Terms of Senate representatives on the Board are normally for three years.

Procedures

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

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Election of Senate Representatives to the Senate Executive Committee

1. One representative is to be elected from among the Vice-Presidents, Deans of Faculties and Directors of Schools, to be elected for a three-year (June 1, 2006 - May 31, 2009) to replace Dean M. Whitmore, whose term of office ends on May 31, 2006.
 - (1) Eligible for election are:
 - (a) Vice-Presidents: E. Goldie, J. Keselman, D. McCallum
 - (b) Deans: D. Witty, A. Percival, J. de Vries, J. Wiens, D. Ruth, L. King, G. Sevenhuysen, H. Sector, D. Collins, D. Hrycaiko, R. Mulally, R. Sigurdson, G. Feltham, M. Whitmore, M. Trevan, D. Sandham, J. Doering, J. Cooper, and D. Care
 - (c) Director: C. Rabinovitch
 - (2) Presently serving:

Dean M. Whitmore (Science)	2006
Dean L. King (Environment)	2007
Dean G. Feltham (Management)	2008
 - (3) Procedures:
 - (a) Nominations for the position shall be received from the floor.
 - (b) Senators shall vote for no more than one candidate on the ballot provided.
 - (c) The candidate receiving the largest number of votes shall be elected.
 - (d) In the event of a tie, the question shall be resolved by another ballot involving those candidates who have tied.
2. Three Senators elected by faculty/school councils need to be elected for a three-year terms (June 1, 2006 – May 31, 2009) to replace Professors MacKay, Coombs, and King, whose terms on the Executive Committee expire on May 31, 2006.
3. One Senator elected by faculty/school councils needs to be elected for a one-year term (June 1, 2006- May 31, 2007) to replace Professor Dronzek, who did not seek re-election to Senate.

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Procedures for the Election of a Student Member to the Senate Executive Committee

Observations

1. The composition of the Executive Committee makes provision for one student member and three student assessors. The President of UMSU services in an ex-officio capacity as one of the three assessors as does the President of the GSA.
2. The terms of the student member and the student assessor named by the Student Senate Caucus are of one-year duration, from April 1 to March 31 of the following year. The terms of the UMSU President and the GSA are from May 1 to April 30 of the following year.

Recommendations

1. That a caucus of Student Senators, to be convened by the President of UMSU, prepare for presentation to the May meeting of Senate, a slate of candidates for the election of a student member to the Senate Executive Committee.
2. That the caucus of Student Senators name one of its members as an assessor to the Senate Executive Committee and advise Senate of the person so chosen.

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

Preamble

1. The terms of reference for the Senate Committee on Curriculum and Course Changes (SCCCC) are found in Section 8.21 of the *Senate Handbook*. SCCCC is "to recommend to Senate on the introduction, modification or abolition of undergraduate programs, curricula or courses".
2. Since last reporting to Senate, the Senate Committee on Curriculum and Course Changes (SCCCC) met on March 14 and April 6, 2006 to consider curriculum and course changes from Faculties and Schools and the course change form.

Observations

1. **General**

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

2. With the implementation of the new student enrolment information system *Aurora*, courses were assigned new course number designations. Many of the faculties are in transition using the new course numbering system. As such, this report consists of both the old and new course numbers. Courses generally end with a "0", however, the Collège universitaire de Saint-Boniface courses end with a "1". The 2006-2007 *calendar* will report all courses in the new numbering system.

3. **Course Change Form**

The Committee has made a number of revisions to its course change form. These changes will allow the collection of information required for the Committee and the Registrar's Office to perform their responsibilities. Furthermore, terminology on the form has been changed to reflect terminology used in the *Aurora* system. (see schedule A).

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

ABIZ 0730 Financial Risk Management to be modified effective 07R, so that ABIZ 0450 Agricultural Economics and Marketing 2 will be a corequisite instead of a prerequisite.

DAGR 0730 Case Studies in Institutional Lending 1 to be modified effective 07R, so that **ABIZ 0450 Agricultural Economics and Marketing 2** will be a corequisite instead of a prerequisite.

The Faculty proposes the introduction of **ENTM 3XYZ Manitoba's Insect Fauna** effective 07R, as a course that will be included in the minor in Entomology, which is being introduced. This course has previously been offered in the past using a topics number, when student demand warranted.

Course **GEOG 2250 Introduction to Geographic Information Systems** to be included in group 4 of the restricted electives for the Agronomy Program.

The Faculty of Agricultural and Food Sciences is proposing minors within programs that will be available both to Agriculture students and those in other faculties. The Soil Science and Entomology programs have put forward proposals, which are outlined in the recommendation section of this report.

5. **Faculty of Architecture**

Interior Design

The Department of Interior Design is proposing the deletion of **052.265 Option in Aging** and **051.444 Special Topics**.

6. **School of Art**

The School is proposing the modification of course **054.265 Digital Design Technology** to better reflect course content. The School is also proposing the introduction of **054.3XX Contemporary Art History**, to replace course **054.317 Contemporary Art**, which is proposed for deletion.. These changes are to be effective summer 2006.

7. **Faculty of Dentistry**

The School of Dental Hygiene is proposing the introduction of **HYGN 2XXX Dental Hygiene Portfolio**. Portfolios are used to assess overall programmatic competencies and this course will house the evaluation component of the assessment.

8. **Faculty of Education**

The Faculty is formalizing the arrangement of transferring credit for a course taken in the Certificate in Teaching English as a Second Language towards receiving course credit in the Post Baccalaureate Diploma in Education Program. The course is **132.167 English for Non-Native Speaking (NNS)**. The Faculty is also formalizing the arrangement of transferring credit for a course taken in the Certificate in Teaching English as a Second Language towards receiving course credit in the Bachelor of Education Program. The course is **132.167 English for Non-Native Speaking (NNS)**.

The Faculty is also proposing that effective September 2007, the PBDE regulation permitting credit for a maximum of three credit hours of external professional courses be discontinued.

9. **Faculty of Engineering**

The Faculty of Engineering is proposing a modification to its Preliminary Year Program. These modifications include decreasing the credit hours and courses, introducing a basic sciences elective, repackaging of math courses to remove problems with sequencing and content and to introduce a CAD course in upper levels years in all programs. The specifics are outlined in the recommendation section of this report.

The Faculty of Engineering is proposing a music minor, to provide another option for engineering students with an interest in music. The proposal is outlined in the recommendation section of this report

Biosystems Engineering

The Department is proposing the modification of **BIOE 4240 Graduation Project** as the corequisite ENG 2010 Technical Communications is no longer required in the program.

10. **Faculty of Human Ecology**

Textile Sciences

In 2004, the Textile Sciences Program was revamped. At that time the deletion of TXSC 3220 (064.322) was requested effective 2006-2007. The Department is now proposing delaying the deletion to the end of the 2007-2008 academic year.

The Department of Textile Sciences is proposing the modification of two courses, **TXSC 2620 Consumer and Organizational Behaviour Toward Textile Products** and **TXSC 3650 Production of Textile Products**. TXSC 2620 will allow students the opportunity to have another elective course, while modification to TXSC 3650 will allow students to be better prepared for the course. The Department is also proposing the introduction of **TXSC 2AAA Preparation for Product Development**. This course will ensure students have a uniform level of fundamental skills when registering in TXSC 3650.

Human Nutritional Sciences

The Department is proposing the introduction of **HNSC 3XXX Management for Food and Nutrition Professionals**. This course will replace **030.334 Food Service Management Systems**, which is proposed for deletion.

11. **Faculty of Law**

The Faculty is proposing to delete **045.382 Manitoba Law Journal** and replace it with the course **LAW 3AAA Scholarly Publications**. This change is being proposed to provide a better description of the subject matter of the course.

12. **Faculty of Management**

Warren Centre for Actuarial Studies and Research

The Faculty is proposing that to graduate with an Actuarial Major, a student must attain a grade of "C+" or better in all Actuarial courses.

13. **Faculty of Physical Education and Recreation Studies**

The Faculty proposes adopting the requirements for Biology whereby the students in the Bachelor of Exercise and Sport Science (now Bachelor of Kinesiology) must obtain 071.125 Biology B with a C grade or better, or 071.100 Biology: Foundations of Life and 071.101 Biology: Biological Diversity and Interaction with an average grade of C+ or better. The Faculty also proposes that for students in the Bachelor of Physical Education, the 071.125 Biology B requirement be replaced with 022.132 Anatomy of the Human Body and 022.133 Physiology of the Human Body.

14. **Faculty of Science**

Chemistry

The Department of Chemistry is proposing the addition of **CHEM 4711 Projet de recherche en chimie ou biochimie**. This course will provide laboratory research experience to Collège universitaire de Saint-Boniface students in the joint four-year major program in Biochemistry. The department is also proposing a modification to **CHEM 2470 Analytical Chemistry/CHEM 2471 Introduction à la chimie analytique**. The prerequisite sequence modification will create greater flexibility for students to take analytical chemistry.

Computer Science

The Department of Computer Science is proposing the modification of two courses; **COMP 1020 Introductory Computer Science 2/COMP 1021 Introduction à l'informatique II** and **COMP 1270 Introductory Computer Usage 2/COMP 1271 Introduction aux services informatiques modernes II**. The course descriptions are being changed to better describe the course content.

Mathematics-Physics and Astronomy Joint Program

It is proposed that the program chart be changed in year 4. Three credit hours of 300 and 400 level Physics Honours courses is changed to six credit hours, as a result of the deletion of 016.438 Quantum Physics 3(6) and replacement with PHYS 4390 Quantum Physics (3).

15. **University 1**

University 1 is proposing adding **49.261/57.261 Health and Physical Aspects of Aging** and **47.265/51.265/123.265 Social Aspects of Aging** to the list of courses acceptable for credit in University 1.

16. **Undergraduate Timetable 2006-2007**

The timetable outlines deadlines for the submission of undergraduate program, curriculum and course changes.

Recommendations

The Senate Committee on Curriculum and Course Changes recommends:

1. That the undergraduate timetable for 2006-2007 be approved by Senate;
2. The Senate Committee on Curriculum and Course Changes recommends that Senate approve the revised undergraduate course change form;
3. That curriculum and course changes from the units listed below be approved by Senate:

Faculty of Agricultural and Food Sciences

Faculty of Architecture

School of Art

Faculty of Dentistry

Faculty of Education

Faculty of Engineering

Faculty of Human Ecology

Faculty of Law

Faculty of Management

Faculty of Physical Education and Recreation Studies

Faculty of Science

University 1

Respectfully submitted,

Professor B.L. Dronzek, Chair
Senate Committee on Curriculum and Course Changes

/nis

Faculty of Agricultural and Food Sciences

Entomology

Courses to be introduced:

ENTM 3XYZ Manitoba's insect fauna (0-0;3-L) +3
A collection of insects is required. Emphasis is placed on collecting techniques, specimen preparation, diversity of species collected, organization and curatorial skills, and accuracy of identification. Students should contact instructors in April preceding registration in this course.
Prerequisite: ENTM 2050.

A proposal for a minor in Entomology includes: successful completion of ENTM 2050
Introductory Entomology, plus 15 credit hours from the following list of courses: ENTM 1000

World of Bugs, ENTM 3160 Veterinary and Wildlife Entomology, ENTM 3170 Crop Protection Entomology, ENTM 3XYZ Manitoba's Insect Fauna, ENTM 4280 Aquatic Entomology, ENTM 4320 Pollination Biology, ENTM 4500 Insect Taxonomy and Morphology, ENTM 4520 Physiological Ecology of Insects.

NET CHANGE IN CREDIT HOURS

+3

Soil Science

A proposal for a minor in Soil Science which would include: successful completion of SOIL 3600 Soils and Landscapes in our Environment, plus 15 credit hours from the following list of courses: SOIL 3060 Introduction to Agrometeorology, SOIL 3520 Pesticides: Environment, Economics and Ethics, SOIL 4060 Physical Properties of Soils, SOIL 4120 Soil Microbiology, SOIL 4130 Soil Chemistry and Mineralogy, SOIL 4500 Remediation of Contaminated Land, SOIL 4510 Soil and Water Management, SOIL 4520 Soil Fertility, SOIL 4530 Land Use and Environment.

Agribusiness and Agricultural Economics

Courses to be modified:

ABIZ 0730 Financial Risk Management

Various approaches to managing market risk will be studied. This includes forward pricing, hedging and options along with insurance, diversification and technology to manage production risk. Prerequisites: ABIZ 0470 (061.047), pre- or corequisite ABIZ 0450 (061.045).

School of Agriculture

Courses to be modified:

DAGR 0730 Case Studies in Institutional Lending

Case studies will provide a primary look at assessing loan applications and determining financial need, production feasibility and repayment. Students will analyze lending portfolios and the management of various enterprises. Prerequisite: ABIZ 0470 (061.047), pre- or co-requisite ABIZ 0450 (061.045).

NET CHANGE IN CREDIT HOURS

0

Agronomy

GEOG 2250 Introduction to Geographic Information Systems to be included in group 4 of the restricted electives in agronomy.

Faculty of Architecture

Department of Interior Design

Courses to be deleted:

052.265	Option in Aging	-3
051.444	Special Topics	-3

NET CHANGE IN CREDIT HOURS -6

School of Art

Art History Area

Courses to be deleted:

054.317 Contemporary Art -3

Courses to be introduced:

054.3XX Contemporary Art History +3

This course will consider the art history of the past few decades, with an emphasis on recent and contemporary developments. Prerequisite: 054.208, or written permission of the instructor.

Graphic Design Area

Courses to be modified:

054.265 Digital Design Technology

This course is an introduction to the computer as a creative tool and to explore industry standard software for use in the creative graphic design applications such as advertising, print media, environmental graphics, illustration and image manipulation.

NET CHANGE IN CREDIT HOURS 0

Faculty of Dentistry

School of Dental Hygiene

Courses to be introduced:

HYGN 2XXX Dental Hygiene Portfolio +2

This two credit hour courses houses the evaluation component of the programmatic portfolio of student competencies that all students commence at enrolment and complete prior to graduation.

NET CHANGE IN CREDIT HOURS +2

Faculty of Education

Students who complete the following CTESL course are eligible for Post Baccalaureate Diploma transfer credit as follows:

<u>CTESL course</u>	<u>PBDE transfer</u>
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39.307 English for Non-Native Speaking (NNS) Teachers of English	132.167 English for Non-Native (NNS) Speaking Teachers of English (3)
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Post Baccalaureate Diploma in Education is discontinuing the regulation permitting credit for a maximum of three credit hours of external professional courses, effective September 2007.

Students who complete the following CTESL course are eligible for Bachelor of Education Program transfer credit as follows:

<u>CTESL course</u>	<u>BEd transfer</u>
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39.307 English for Non-Native Speaking (NNS) Teachers of English	132.167 English for Non-Native (NNS) Speaking Teachers of English (3)
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Faculty of Engineering

Table 1: A Modified Preliminary Year Program

Current and Proposed Preliminary Engineering Programs			
CURRENT	Credit hour	PROPOSED	Credit hour
Complete minimum of 8 to enter a Dept.		Complete minimum of 8 to enter a Dept.	
002.130 University 1 Chemistry	3	CHEM 1300 University 1 Chemistry	3
004.131 Literary Topics 1	3	ENGL 1310 Literary Topics 1	3
015.129 Critical Thinking	3	PHIL 1290 Critical thinking	3
016.105 Physics: Mechanics	3	PHYS 1050 Physics 1: Mechanics	3
016.107 Physics: Waves and Modern Physics	3	COMP 1010 Computer Science	3
074.101 Computer Science	3	ENG 1460 Introduction to Thermal Sc.	3
130.112 Thermal Sciences	4	ENG 1450 Introductory Electrical and Computer Engineering Techniques	3
130.113 Introduction to Engineering	1	ENG 1440 Introduction To Statics	3
130.118 Introduction to Electric Circuits	4	ENG 1430 Design in Engineering	3
130.135 Engineering Statics	4	MATH 1210 Classical/Linear Algebra	3
130.140 Engineering Design	4	MATH 1710 Applied Calculus 2	3
136.151 Applied Calculus 1	3	MATH 1510 Applied Calculus 1	3
139.171 Applied Calculus 2	3		36
	41		

Summary of the changes:

- a) Credit hours in each of the former engineering science courses, 130.112, 130.118, and 130.135 are reduced from 4 to 3 credit hours.
- b) 130.113 will be deleted in 2008 at which time students who have not completed the course will have to take 130.143 Design in Engineering.
- c) Introduction of a new mathematics course, 136.121.
- d) Introduction of a modified engineering design course 130.143.
- e) Deletion of 016.107 Physics 2: Waves and Modern Physics as a required course in the Preliminary Year. Subsequent to the Preliminary Year Program, a student would select a basic sciences elective from a list of suitable courses approved by the student's department, which may be PHYS 1070.
- f) The CAD course component will be introduced in subsequent years when students have progressed into Departments. The course will be tailored to the needs of the particular discipline and at a stage in a program when students will most benefit from the experience.

A proposal for a minor in Music which would include 18 credit hours of music courses: Music Theory 1, 033.111 and Music Theory 2, 033.112 would be compulsory. Students may use any course offered by the Faculty of Music, for credit. If students take ensemble courses, all three of the following courses must be completed, in order to earn credit for the minor: Ensemble, 033.218, Ensemble 033.318, and Ensemble 033.418. These three courses would count for 6 credit hours. Students will not be allowed to register in the Major Practical Study courses.

Biosystems Engineering

Courses to be modified:

BIOE 4240 Graduation Project

Either an independent or a directed study including at least one of: a comprehensive literature review, an experimental research project, or an engineering design problem. The project is to be concluded by a formal report or thesis. Prerequisites: BIOE 3580 (034.358) Biosystems Engineering Design Trilogy 2, approval of department. (Pass/Fail grade only).

Faculty of Human Ecology

Textile Sciences

The Department is proposing the delay of the effective deletion date of TXSC 3220 (064.322) to the end of the 2007-2008 academic year.

Course to be introduced:

TXSC 2AAA Preparation for Product Development +1L

Designed for students with little or no background in textile product assembly or for students who require a refresher course. This course provides an orientation to textile product assembly equipment, construction, techniques, and terminology. Students who do not meet the minimum standard in a placement test must pass this course before they will be permitted to register in TXSC 3650. For Textile Sciences students only. Pass/fail grade only.

NOTE: The credit associated with this course will not be counted toward the minimum credit hour requirements of the Textile Sciences degree.

Course to be modified:

TXSC 2620 Consumer and Organizational Behaviour Toward Textile Products

Theories and practices of consumer and organizational decision making with respect to textile products. Prerequisites: TXSC 2600 or TXSC 2610. Not to be held with 118.323

TXSC 3650 Production of Textile Products

Covers the role of production in the product development process. Students will learn the terminology which meets industrial standards, the most commonly used production techniques for apparel and non apparel products, time studies, costing, development of specifications, manufacturing systems, and selected test methods for quality management. Prerequisites: TXSC 3630; TXSC 3640; HMEC 2050; and consent of instructor (see note). Not to be held with the former 064.224 and 064.342.

Note: consent will be based on students' performance on a placement test. Students who do not meet the minimum standard set by the Textile Sciences Department will be required to enroll in and pass TXSC 2AAA.

NET CHANGE IN CREDIT HOURS +1

Human Nutritional Sciences

Course to be deleted:

030.344 Food Service management Systems -3

Course to be introduced:

HNSC 3XXX Management for food and Nutrition Professionals +3
Management strategies and cost control principles as applied to food and nutrition organizations. Topics include leadership, organizational design, teamwork, human resource management, performance improvement, cost management, and the interpretation of financial statements. Prerequisites: HNSC 1200 and GMGT 2030 or GMGT 2070 or GMT 2080. Not to be held with the former HNSC 3180 or HNSC 3340.

NET CHANGE IN CREDIT HOURS 0

Faculty of Law

Course to be deleted:

045.382 Manitoba Law Journal -2

Course to be introduced:

LAW 3AAA Scholarly Publications +2
Senior editors of scholarly publications approved by the Academic Affairs Committee who successfully complete their terms of office and any writing requirements. Grading: Pass/Fail.

NET CHANGE IN CREDIT HOURS 0

Faculty of Management

Warren Centre for Actuarial Studies and Research

The Faculty is proposing that to graduate with an Actuarial Major, a student must attain a grade of "C+" or better in all Actuarial courses.

Faculty of Physical Education and Recreation Studies

Bachelor of Exercise and Sport Science (Bachelor of Kinesiology) students must obtain a grade of C or better in 071.125 Biology B or and average of C+ or better in 071.100 Biology: Foundations of Life & 071.101 Biology: Biological Diversity and Interaction. Students in the

Bachelor Physical Education will have the 071.125 Biology B requirement replaced with 022.132 Anatomy of the Human Body and 022.133 Physiology of the Human Body.

Faculty of Science

Chemistry

Courses to be introduced:

CHEM 4711 Projet de recherche en chimie ou biochimie +6

Un projet de recherche dans n'importe quel aspect de la chimie ou de la biochimie, choisi en consultation avec l'administrateur du cours ou un superviseur approprié de la faculté. Des rapports écrits et des présentations orales à la fin du projet seront nécessaires. Ce cours est normalement offert aux étudiant(e)s seulement lors de leur dernière année du programme de chimie. Préable: Permission de l'administrateur du cours. Donné seulement au Collège universitaire de Saint-Boniface.

Courses to be modified:

CHEM 2470 Analytical Chemistry

An introduction to common laboratory techniques of chemical analysis including gravimetric, volumetric and selected instrumental methods. Prerequisites: CHEM 1310 (C) and three credit hours of mathematics with the exception of MATH 1000, 1010, 1190, 1191 or 1020.

CHEM 2471 Introduction à la chimie analytique

Introduction aux techniques courantes de laboratoire en analyse chimique comprenant les méthodes gravimétriques, volumétriques et quelques autres méthodes instrumentales. Prérequis: une note minimale de C dans le .CHEM 1311 et un cours de 3 crédits en mathématiques de niveau 1000, exceptes MATH 1000, 1010, 1190, 1191 ou 1020.

NET CHANGE IN CREDIT HOURS

+6

Computer Science

Courses to be modified:

COMP 1020 Introductory Computer Science 2

Introduction to object orientation, data structures, and algorithms.

Prerequisite: COMP 1010 (C) or High School Computer Science 40S (75 percent)

COMP 1021 Introduction à l'informatique II

Introduction à la programmation orientée objet, aux structures de données informatiques et à l'algorithmique. Préalable: COMP 1011 ou informatique 40S (avec une note minimale de 75%).

COMP 1270 Introductory Computer Usage 2

Using advanced tools to design web pages. Students will also learn how to make effective presentations, work in other operating system environments, use file transfer tools, apply simple script programming to web page designs, and understand current issues relating to technology in society.

Prerequisite: 074.126 (or equivalent knowledge) is strongly recommended.

COMP 1271 Introduction aux services informatiques modernes II
Utilisation de nouveaux outils pour la création de pages Web, apprendre les techniques de présentations efficaces, se familiariser avec d'autres systèmes d'exploitation, utiliser les outils de transfert de fichiers, programmer des scripts de base lors de la conception de pages Web, comprendre les questions actuelles liées à la technologie dans la société. Préalable: COMP 1261 (ou connaissances équivalents) fortement recommandé.

Mathematics-Physics and Astronomy Joint Program

The program chart for the Mathematics-Physics and Astronomy Joint Program will be revised. In year 4, three credit hours of 300 and 400 level Physics Honours courses is changed to six credit hours, as a result of the deletion of 016.438 Quantum Physics 3 (6) and replacement with PHYS 4390 Quantum Physics (3).

University 1

Courses to be added to the University 1 course list:

49.261/57.261	Health and Physical Aspects of Aging	3
47.265/51.265/123.265	Social Aspects of Aging	3

SENATE COMMITTEE ON CURRICULUM AND COURSE CHANGES

UNDERGRADUATE TIMETABLE - 2006-2007

Note: There are three separate timetables for submission of new undergraduate programs and curriculum and course changes.

1. Timetable for submission of curriculum and course changes with inter-faculty resource implications.
2. Timetable for submission of curriculum and course changes without resource implications.
3. Procedures and Timetable for submission of new undergraduate programs with or without additional funding.

NOTE: FOR ALL COURSE CHANGES SUBMITTED, CHANGES MUST BE SUBMITTED USING THE NEWLY APPROVED COURSE DESIGNATIONS. E.G., 004.120 should be designated as ENGL 1200

1. **Timetable for submission of curriculum and course changes with inter-faculty resource implications**

Department and Faculty Council meetings with respect to proposed changes in curriculum and courses with inter-faculty resource implications.

Faculty decisions reached on curriculum and course changes.

FRIDAY, August 25, 2006

Information on all proposed course changes forwarded to University Secretariat for consideration by SCCCC. After initial screening, submissions in which possible overlap could exist are forwarded to all interested parties and to SPPC for assessment against proposed new programs. If no objections are received by Friday, September 1, 2006, assent will be assumed.

THURSDAY, October 5, 2006

SPPC provides listing of all courses with resource implications for Senate Executive agenda of October 18, 2006 for debate at the November 1, 2006 meeting of Senate.

WEDNESDAY, October 18, 2006

Meeting of Senate Executive - consideration of course changes with resource implications.

WEDNESDAY, November 1, 2006

Meeting of Senate.

2. **Timetable for submission of curriculum and course changes without resource implications**

Department and Faculty Council meetings with respect to proposed changes in curriculum and courses, excluding proposed new programs.

Faculty decisions reached on curriculum and course changes.

FRIDAY, September 22, 2006

Information on all proposed course changes forwarded to University Secretariat for consideration by SCCCC. After initial screening, submissions in which possible overlap could exist are forwarded to all interested parties. If no objections are received by Thursday, October 5, 2006, assent will be assumed.

FRIDAY, October 6, 2006

All faculty comments received by SCCCC.

FRIDAY, November 3, 2006

SCCCC completes deliberations on all proposed course and curriculum changes - preparation of report to Senate.

THURSDAY, November 24, 2006

Agenda sent to printers.

WEDNESDAY, December 8, 2006

Meeting of Senate.

NOTE: Faculties and Schools whose course change proposals involve an increase of more than nine credit hours in any department shall submit such course change proposals to the Senate Planning and Priorities Committee at the same time as to the Senate Committee on Curriculum and Course Changes.

Note: Faculties and Schools whose courses are offered at Approved Teaching Centres are asked to ensure that the teaching centres are apprised of approved course changes.

FRIDAY, February 23, 2007

Information on all proposed minor course changes forwarded to University Secretariat for consideration by SCCCC.

THURSDAY, April 19, 2007

Agenda items due for May 2 Senate Executive Meeting.

WEDNESDAY, May 16, 2007

Meeting of Senate.

3. **Procedures and timetable for submission of new undergraduate programs with or without additional funding**

Note: As of April 1, 1997, the Universities Grants Commission has been replaced by the Council on Post-Secondary Education, which has now formulated its own rules of procedure, as follows. These procedures are also available in electronic format (See Policy #413 *Council on Post-Secondary Education: Program Approval Process* in the Policy and Procedure Manual).

- (1) Dean/Director forwards to the Vice-President (Academic) and Provost a draft Statement of Intent having the content and format required by the Council on Post-Secondary Education (COPSE) as described in the *Program Approval Process: Policies and Procedures* - January 1998.
- (2) The Vice-President (Academic) and Provost reaches decision on Statement of Intent.
- (3) The President, after receiving the advice of the Vice-President (Academic) and Provost, transmits a formal Statement of Intent to the Council, a copy of which is provided to Senate for its information.
- (4) Upon COPSE response to the Statement of Intent, the Faculty/School Council develops a formal proposal as outlined in Appendix B of the *COPSE Program Approval Process: Policies and Procedures* (January 1998), for approval of Council.
 - (a) Where appropriate, the Vice-President (Academic) and Provost will make arrangements so that the formal proposal includes an external assessment.
- (5) Approved program forwarded to the University Secretariat for distribution to SCCCC and SPPC.

At the February 6, 1979 meeting of Senate, the following recommendations were approved:

- (a) Submissions for new programs from Faculties and Schools must contain statements from the Directors of Student Records, Admissions, Computer Services, the Instructional Media Centre, and the Director of Libraries regarding possible resource implications which are not immediately apparent;
 - (b) Before any new program is listed in the *Calendar*, or otherwise published as available, the budgeting faculty or school concerned must provide the Vice-President (Academic) and Provost with satisfactory information about implementation of the program.
- (6) Comments to be received by SCCCC on all new programs from interested faculties and schools within one month following distribution of proposed programs by the University Secretariat.
 - (7) Within one-and-a-half months of the formal proposal for a new program¹ being submitted to the University Secretariat, SCCCC completes deliberations on new program and formulates recommendations to Senate for inclusion in the next Senate Executive agenda.

- (8) Meeting of Senate Executive to consider SCCCC's recommendations and SPPC's assessment.
- (9) Meeting of Senate - consideration of Senate Executive recommendations on the new program(s).
- (10) When Senate has approved a proposal, it is forwarded to the Academic Affairs Committee and then to the Board of Governors.
- (11) Once the proposal has been approved by the Board of Governors, it is forwarded to the Council on Post-Secondary Education.
- (12) Any new program will be implemented only when the Vice-President (Academic) and Provost is convinced that sufficient financial resources are in place.

¹ NOTE: While SCCC is willing to consider new proposals as quickly as possible, its responsibility for processing course and curriculum changes in existing programs will limit its ability to act quickly on its consideration of new program proposals from October to December or during customary vacation periods.

Schedule A



1. The first part of the document is a header section containing the following information:

- Project Name: [REDACTED]
- Project Number: [REDACTED]
- Project Location: [REDACTED]
- Project Start Date: [REDACTED]
- Project End Date: [REDACTED]
- Project Manager: [REDACTED]
- Project Sponsor: [REDACTED]
- Project Steering Committee: [REDACTED]
- Project Charter: [REDACTED]
- Project Scope: [REDACTED]
- Project Objectives: [REDACTED]
- Project Deliverables: [REDACTED]
- Project Risks: [REDACTED]
- Project Issues: [REDACTED]
- Project Status: [REDACTED]
- Project Budget: [REDACTED]
- Project Resources: [REDACTED]
- Project Communication: [REDACTED]
- Project Governance: [REDACTED]
- Project Compliance: [REDACTED]
- Project Security: [REDACTED]
- Project Privacy: [REDACTED]
- Project Accessibility: [REDACTED]
- Project Sustainability: [REDACTED]
- Project Ethics: [REDACTED]
- Project Social Responsibility: [REDACTED]
- Project Environmental Impact: [REDACTED]
- Project Human Rights: [REDACTED]
- Project Anti-Corruption: [REDACTED]
- Project Anti-Money Laundering: [REDACTED]
- Project Anti-Terrorism: [REDACTED]
- Project Anti-Smuggling: [REDACTED]
- Project Anti-Counterfeiting: [REDACTED]
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- Project Anti-Identity Theft: [REDACTED]
- Project Anti-Phishing: [REDACTED]
- Project Anti-Spamming: [REDACTED]
- Project Anti-Malware: [REDACTED]
- Project Anti-Virus: [REDACTED]
- Project Anti-Ransomware: [REDACTED]
- Project Anti-DDoS: [REDACTED]
- Project Anti-SQL Injection: [REDACTED]
- Project Anti-XSS: [REDACTED]
- Project Anti-CSRF: [REDACTED]
- Project Anti-Brute Force: [REDACTED]
- Project Anti-Password Guessing: [REDACTED]
- Project Anti-Email Spoofing: [REDACTED]
- Project Anti-Website Hijacking: [REDACTED]
- Project Anti-Data Breach: [REDACTED]
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- Project Anti-

Department:

Previous Course No. (for modified, or reactivated courses)

Course Level: 1000 2000 3000 4000 5000

Credit Hours Grading Mode: Letter Grades Pass/Fail

Short Title: maximum 25 characters

Language of Instruction: English French

1. *Journal of the American Medical Association*, 1997; 278: 1039-1044.

1. *Journal of the American Medical Association*, 1997; 277: 1039-1043.

Reason for Change:

Faculty/School Approval: _____

Print Name	Signature	Date
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Courses that may not be held for credit with this course:

NOTE: Please include all applicable previous course numbers below.

Prerequisites:

Pre- or Corequisites: (Prerequisites that may be taken concurrently)

Corequisites: (Courses that must be taken concurrently)

Other Information:

Will this course be available to students in other faculties/school? Yes No

Please indicate which, if any, of the following attributes should apply to this course:

Canadian Studies Women's Studies University 1 course Option in Aging Course

Is this course intended to satisfy : Written English Requirement Mathematics Requirement

NOTE: If there are other course attributes that should be applied, please contact the Registrar after the course has been approved

TO BE COMPLETED FOR ALL COURSES INTRODUCED OR MODIFIED AS APPROPRIATE

(See Guidelines)

The following items are attached to and form part of this proposal:

☐

Course outline

Format: list lecture, laboratory and tutorial hours per week; provide an outline of topics covered in lectures; and include a brief description of laboratories, tutorials and assignments. Identify required textbook(s) if applicable. *Note: No more than one page in length.*

☐

Statement from subject librarian(s) as to library resources

Note: The library must be provided with a course outline as described above. As well, the proposing unit and the subject librarian should discuss and agree upon the bibliography to be used in assessing the strength of the library's collection in the field. The library will need at least one month notice of program proposals, in order to prepare its statement.

☐

Statement of additional costs, workload, and/or supplies

☐

Statement(s) from other Departments, Faculties or Schools of possible overlap

☐

Statement(s) from other Departments, Faculties or Schools on possible changes in their programs

☐

Revised Program Descriptions for all programs using this course

☐

Additional documentation

**PROPOSAL FOR THE DELETION, DEPARTMENTAL RE-NUMBERING OR THE PLACING INTO
"NOT CURRENTLY OFFERED" OF UNDERGRADUATE COURSES**

TO BE COMPLETED FOR COURSES BEING DELETED, RE-NUMBERED OR PLACED INTO "NOT CURRENTLY OFFERED".

Faculty:

Department:

Effective Term:

Fall/Winter

Summer 1/Summer 2

Year

List the courses to be deleted: (include subject code, course number, course name, credit hours and reason for deletion) Please indicated when these changes will become effective.

List the courses to be placed into "Not Currently Offered": (include subject code, course number, course name, credit hours, and reason for change)

List the courses which are being re-numbered, and include reasons for the changes. Please indicate in which edition of the *Calendar* they will be included. (Note that re-numbering is to be used only when there is no change to the course title, credit hours and description.)

Use a separate sheet if necessary.

Signatures:

Department Approval:

Print Name

Signature

Date

Faculty/School Approval:

Print Name

Signature

Date



GUIDELINES FOR COMPLETION OF PROPOSAL FOR
UNDERGRADUATE OR CERTIFICATE COURSE CHANGE FORM

NOTE: If you are changing a course number or title, you **MUST** delete the current course and introduce it under the new title and/or number.

INTRODUCTION, MODIFICATION OR REACTIVATION OF UNDERGRADUATE COURSES FORM

- The Introduction, modification or reactivation form must be completed for all courses being introduced, modified or reactivated.
- The Deletion, Departmental re-numbering or the placing into "Not currently offered" form must be completed for all courses being deleted, renumbered or placed into *Not Currently Offered*.
- Where more than one proposal is submitted by a unit, the proposals must be accompanied by a summary sheet which clearly lists all course numbers, names and credit hours grouped by category (i.e. courses deleted, introduced, modified, etc.) as well as a statement of the net change in credit hours. (See sample)
- Changes in a proposing unit's offerings resulting in a net increase of more than 9 credit hours must be separately submitted to the Senate Planning and Priorities Committee, and should include a statement from the Dean/Director concerning the resource implications of the proposal.
- As the proposals must be photocopied a number of times, it is important that they be originals, single sided, and that they be not stapled but paper clipped together.

Form Page 1

- Mark with an "X" the type of proposal. Note that the modification category is to be used only for minor changes in course description. **Changes in title and/or credit hours are to be submitted as deletion and introduction pairs** (i.e. submit two forms).
- The course number, level, subject, credit hours and name must be indicated. For new courses enter the subject code followed by the first digit (course level) and three capital letters (e.g. 1AAA, 2AAB).
- Indicate the year and which term (e.g. Fall/Winter) the proposed change is to be effective.
- Indicate the language of instruction.

Course Description

- Provide a course description of no more than four (4) lines (approximately 75 characters per line, including spaces), including title, in the standard Calendar format. Note that the course number, title and credit hours must be in bold and precede the description and any restrictions and/or pre-requisites must follow it.
- If the proposed course is to be graded on a Pass/Fail basis, that fact must be included in the Calendar entry.

Reasons for Change

- Reasons for change should be brief and meaningful. For example:
 - Introducing new material into a program in keeping with advances and/or changes in the foci of the particular field or department;
 - To accommodate expertise of new staff members;
 - Division of full course into half course; state the rationale for this.

The above examples are neither exhaustive nor complete and it is appreciated that there may be other reasons pertaining to the change proposed.

- Indicate if the course appears/will appear on any list of required or elective courses in any University program.

Signatures

- Print or type names and sign: the Head should sign for the department and the Dean/Director for the faculty/school. In cases where there is more than one faculty/school involved, the form should be co-signed by the Deans/Directors of the faculties/schools involved, or the equivalent statement provided.

Form Page 2

- indicate courses that may not be held for credit with this course, prerequisites, pre- or corequisites and corequisites.
- complete the other information section as appropriate

Supporting Documentation

- Normally, all proposals for new courses must be accompanied by a one page (maximum) course outline.
- A statement from the subject librarian **must** accompany all proposals for new courses and significant course revisions. In the case of topics courses, in which the subject material varies from offering to offering, the proposing unit is responsible for securing the prior agreement of the library that appropriate holdings are available to support the particular topics to be dealt with in each offering.
- Provide a statement of additional costs if there is a change in any of the following:
 - Workload of academic or support staff or reassignment of workload from one faculty/school to another.
 - Requirements for additional space, renovations to existing space or changes in the usage of space.
 - Costs of supplies and expenses including any specific media requirements associated with the teaching of the course.
- Where there is possible curricular overlap or infringement or conflict of jurisdiction, the proposing unit must obtain written agreement to the change from all parties concerned.
- Provide letters of comment from other faculties/schools whose programs would be affected by this proposal.
- Describe, by providing both current and revised program descriptions, the effects of the proposed course change on programs within your faculty/school. Where appropriate, describe what arrangements will be made for the students affected by the transition to a new program structure.

DELETION, DEPARTMENTAL RE-NUMBERING OR THE PLACING INTO "NOT CURRENTLY OFFERED" FORM

- It is not necessary to complete a separate form for each course when a number of courses are being deleted or renumbered.
- Please include the reasons for the change(s).

CLASSICS

Deletions

CLAS.2600	Greek History	(6)
CLAS.2610	Roman History	(6)

Introductions

CLAS.2ABB	Roman History: The Roman Republic, 753-30 BC	(3)
CLAS.2ACC	Roman History: The Roman Empire, 30 BC-AD 337	(3)
CLAS.2XXX	Greek History: Pre-Classical Greece, 1200-479 BC	(3)
CLAS.2XYY	Greek History: Classical Greece, 479-323 BC	(3)
CLAS.3ABB	Aegean and Italian Prehistory	(3)
CLAS.3ACC	Hellenistic Civilization: History and Archaeology	(3)
CLAS.3ADD	The World of Late Antiquity: History and Archaeology	(3)

Modifications

CLAS.2460	Field Studies in Greek Archaeology and History	(6)
CLAS.2490	Field Studies in Roman Archaeology and History	(6)

Net change in credit hours: + 9 Hours

ECONOMICS

Introduction

ECON.4AAA	Evaluation of Economic Policy and Programs	(3)
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Net change in credit hours: - 3 Hours

FRENCH, SPANISH AND ITALIAN - FRENCH

Deletion

FREN.4600	Langue et littérature médiévales	(3)
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Introduction

FREN.4XXX	Etudes spécialisées	(3)
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Modification

	Honours Single Program	
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Net change in credit hours: + 0 Hours

Report of the Senate Committee on Awards respecting Awards - April 13, 2006

Preamble

The Senate Committee on Awards (SCOA) terms of reference 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 Policy No. 419, such offers shall be submitted to Senate for approval." (Senate, April 5, 2000)

At its meeting on April 13, 2006 SCOA reviewed 13 new awards offers, 18 award amendments and four withdrawals and reports as follows.

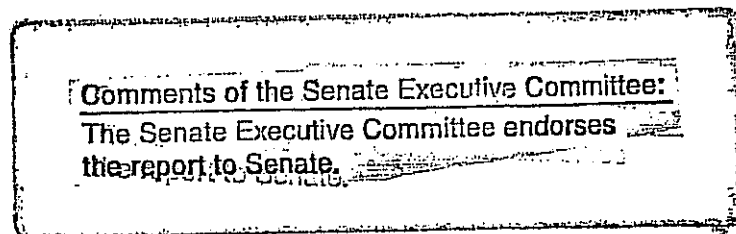
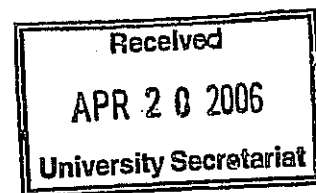
Observation

On behalf of Senate, the Senate Committee on Awards approved and recommends that the Board of Governors approve 13 new awards, 18 award amendments and four withdrawals as set out in Appendix "A" of the Report of the Senate Committee on Awards (dated April 13, 2006). These award decisions comply with the published guidelines of November 3, 1999, and are reported to Senate for information.

Respectfully submitted,

Diana Kooperson (for)

Professor R. Baydack, Chair
Senate Committee on Awards



APPENDIX "A"

OFFERS

DAVID KEYNES MEMORIAL BURSARY

The family, friends and colleagues of David Keynes (B.Sc.Pharm./58) have established an endowment fund to provide an annual bursary to a graduate student in Pharmacy. David began his career as a hospital pharmacist at the Winnipeg General Hospital. After many years spent in community pharmacy, his career came full circle when he returned to hospital pharmacy at St. Boniface Hospital. Beginning in 2007, a bursary valued at the available annual interest will be offered to a student who:

- (1) is enrolled full-time in the fourth year of study in the Faculty of Pharmacy at the University of Manitoba;
- (2) has achieved a minimum cumulative grade point average of 3.0;
- (3) intends to pursue a Pharm.D. or a hospital residency program after completion of the undergraduate program;
- (4) has demonstrated financial need on the standard University of Manitoba bursary application form.

In any given year in which there is no candidate intending to pursue a Pharm.D. or a hospital residency program, the bursary will be granted to a second, third or fourth year student in the Faculty of Pharmacy who demonstrates financial need.

The selection committee will be named by the Dean of the Faculty of Pharmacy.

ITT FLYGT STUDENT AWARD IN ENGINEERING

Beginning in 2006, ITT Flygt has made a three year commitment to provide a scholarship annually valued at \$2,500 to an undergraduate student who:

- (1) is enrolled full-time in the Faculty of Engineering at the University of Manitoba specifically in the Civil, Electrical or Mechanical program;
- (2) has achieved a minimum cumulative grade point average of 3.5;
- (3) proceeds into the next consecutive year of full-time study in the Civil, Electrical or Mechanical Engineering programs.

Final selection will be made at the discretion of the selection committee.

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

FACULTY OF SCIENCE MANITOBA SCHOOLS SCIENCE SYMPOSIUM SCHOLARSHIP

The Faculty of Science offers one scholarship to a student who has presented an excellent project at the Manitoba Schools Science Symposium as well as demonstrated academic excellence in their final year of high school. The purpose of the scholarship is to attract students demonstrating excellence in science to the University of Manitoba. Beginning in 2006 the award, valued at \$750, will be offered to an undergraduate student who:

- (1) presented an excellent project at the Manitoba Schools Science Symposium (MSSS) in the spring of the year in which they enter the University of Manitoba;
- (2) has graduated from high school with high academic standing;
- (3) enrolls at the University of Manitoba in a minimum of 18 credit hours of Faculty of Science courses in University 1 in the same calendar year in which they participated in the MSSS.

The Faculty of Science Manitoba Schools Science Symposium Scholarship cannot be held with the Manitoba Schools Science Symposium Scholarships.

The MSSS Scholarship Committee will provide a rank-ordered list of nominees to the Dean of Science. The Dean and Associate Deans of Science will forward the final selection to the Financial Aid and Awards Office.

DR. PETER JACKIN MEMORIAL SCHOLARSHIP

An endowment fund, currently valued at \$9,572, has been established in the memory of Dr. Peter Jackin, a gifted dentist whose manual skills were reputed to be among the best of any dentist to practice in Manitoba. Dr. Jackin also displayed an intense joy in life that carried through to his work in the Faculty of Dentistry. These traits represent integral elements in the development of young dentists. The scholarship, valued at the available annual interest, will be offered to a student who;

- (1) is enrolled full-time in the fourth year of study in the Faculty of Dentistry at the University of Manitoba;
- (2) has demonstrated the greatest improvement in fixed prosthodontics clinical skills in the second and third years of the curriculum.

The recipient will be determined by the Scholarship Committee with input from the Division Head (Fixed Prosthodontics) and the Department of Restorative Dentistry.

THORNTON-TRUMP MEMORIAL BURSARY

An endowment has been established to provide support to students who choose to enhance their formal education by participating in University of Manitoba Society of Automotive Engineers (UMSAE) design competitions. The available annual interest will be used to provide bursaries, the number and value to be determined by the selection committee, to students who:

- (1) are enrolled full-time at the University of Manitoba in any Faculty or School;
- (2) have achieved a minimum cumulative grade point average of 2.0;
- (3) are student members of the Society of Automotive Engineers (SAE);
- (4) have participated in and traveled to an UMSAE student competition in the year the bursary is offered;
- (5) have demonstrated financial need on the standard University of Manitoba Bursary application form.

Applicants must submit an application for the Thornton-Trump Memorial Bursary along with the standard University of Manitoba Bursary application form.

The selection committee will include the Dean of the Faculty of Engineering (or designate) who will serve as chair, the UMSAE Faculty Advisor, the Head of the Department of Mechanical and Manufacturing Engineering (or designate), and an ex-officio member of the Thornton-Trump family.

JMBT - VECTOR SCHOLARSHIP FOR RESEARCH IN CIVIONICS ENGINEERING

Through a gift from JMBT (Dr. Leslie Jaeger, Dr. Aftab Mufti, Dr. Baidar Bakht, and Dr. Gamil Tadros) and Vector Construction Group, a scholarship fund of \$100,000 has been established at the University of Manitoba to support graduate engineering students. The fund has been augmented by the addition of the NSERC Synergy Award, which was won by the University of Manitoba in 2005 for the research partnership that exists between the ISIS Canada Research Network and the Vector Construction Group. Dr. Aftab Mufti, who received the NSERC cash award of \$25,000 on behalf of the University with discretionary powers over its allocation, determined that the best use of the funds would be to direct them towards the establishment of the JMBT - Vector Scholarship. The fund will provide an annual scholarship, valued at the available annual interest (approximately \$5,000), for research in the field of Civionics Engineering. The scholarship will serve to stimulate, support, and encourage research in the structural health monitoring of intelligent civil structures by a graduate student at the University of Manitoba in departments associated with the Structural Health Monitoring Support Centre.

The scholarship will be offered to a graduate student who:

- (1) is enrolled in an M.Sc. or Ph.D. program in the Faculty of Graduate Studies at the

SENATE COMMITTEE ON AWARDS REPORT TO SENATE - APRIL 13, 2006

University of Manitoba and has been in this program for not more than two years at the time of the scholarship offer;

- (2) has achieved a minimum cumulative grade point average of 3.5 over the two full academic years prior to the session in which the scholarship is tenable; and
- (3) is conducting research in a field pertaining to monitoring of intelligent civil structures and civionics.

Applicants will be selected on the basis of academic excellence, commitment to their field of study, the quality and value of the research proposal, and their career objectives.

Applicants must submit a covering letter, research proposal, a full curriculum vitae, two academic letters of support and a current transcript. Completed application packages are to be submitted to the Awards Officer, Faculty of Graduate Studies by the specified deadline date.

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

H.L. VERRALL FAMILY SCHOLARSHIP IN PHYSICS

In 2006, the H.L. Verrall family created an endowment fund of \$40,000 in support of Physics students at the University of Manitoba. Harry Verrall was born in 1909 and lived much of his life in Sanford, Manitoba. His sons, Dr. Ronald Verrall and Dr. Richard Verrall, each graduated from the University of Manitoba with a B.Sc. (Hons) in Physics in 1962 and 1968 respectively. Ronald obtained an M.Sc. in Mathematical Physics in 1963, and went on to a Ph.D. in Nuclear Physics from McGill University. Richard graduated with the gold medal from the Honours Physics program, and then took a Doctoral degree in Materials Science at Harvard University. The Verrall family is pleased to have the opportunity to support the Faculty and the University that played a formative role in their education.

Two scholarships, each valued at one half of the available annual interest, will be offered annually beginning with the 2007-2008 academic session to undergraduate students who:

- (1) have completed their second year of full-time study in the Honours Physics program at the University of Manitoba;
- (2) have achieved a minimum cumulative grade point average of 3.5;
- (3) have the highest and second highest cumulative grade point averages among all eligible students at the time of entry to the third year of the Honours Physics program.

The selection committee will be named by the Head of the Department of Physics.

REBECCA AND JACOB MIASNIK MEMORIAL BURSARY

In honour and memory of Rebecca and Jacob Miasnik, who were among the pioneers who farmed an area north of Winnipeg in the early decades of the 20th century, an endowment fund has been established at the University of Manitoba by their grandchildren. It is also meant to honour others like them who endured many hardships in order to maintain the land and were interested in finding more productive methods of working with the land and in experimenting with alternate types of crops. Beginning in 2007, a bursary valued at the available annual interest, will be offered to a degree student who:

- (1) is enrolled full-time in the third or fourth year of study in the agronomy program in the Faculty of Agricultural and Food Sciences at the University of Manitoba;
- (2) has achieved a minimum cumulative grade point average of 2.5;
- (3) has demonstrated financial need on the standard University of Manitoba bursary application form.

Preference will be given to a student who demonstrates an interest in ecologically sustainable production systems.

The selection committee shall be the Faculty of Agricultural and Food Sciences Awards Committee.

WALTER AND ELIZABETH RODEWALD SCHOLARSHIP

Walter and Elizabeth Rodewald have established an endowment fund of \$50,000 for the Department of Chemistry at the University of Manitoba from which the first award will be offered in 2006. The Manitoba Scholarship and Bursary Initiative has made a contribution to this fund. Dr. Rodewald began his career as a science teacher at Dominion City High School after receiving his B.Sc. (1950) and B.Ped. (1953) degrees from the University of Manitoba. He returned to the University three years later to further his education with an M.Sc. (1959) and a Ph.D. in Chemistry in 1965. While working on these degrees he joined the Department of Chemistry Faculty as a Lecturer. In 1963, he accepted the position of Head of the Chemistry Department at Brandon University. After ten years in this position, he embarked on a successful business career that continued until his retirement. The scholarship, valued at the available annual interest, will be awarded to a graduate student who:

- (1) is registered as a full-time student in the Faculty of Graduate Studies in the Department of Chemistry under the supervision of a full-time faculty member of the Department of Chemistry;
- (2) has achieved a cumulative grade point average of 3.5 (or equivalent) over the last two regular academic sessions completed;
- (3) has demonstrated exceptional research ability at either the undergraduate level in CHEM 4710 Research Project in Chemistry or Biochemistry (or equivalent) or the

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graduate level.

Research ability may be as determined by research publications or presentations at local, national or international scientific conferences. In order to be considered for this award, graduate students must complete and submit the Department of Chemistry Application for Scholarship support.

The selection committee will be the Scholarships Committee of the Department of Chemistry.

TAYLOR McCaffrey LLP ENTRANCE AWARD

The partners of Taylor McCaffrey LLP have made a contribution of \$150,000, matched equally by the Manitoba Scholarship and Bursary Initiative, to create an endowment fund of \$300,000 to provide entrance awards to qualified students entering the first year of study in the Faculty of Law at the University of Manitoba. These awards are intended to recognize top Manitoba applicants who accept an early offer of admission from the Faculty of Law at the University of Manitoba. The available annual interest will be used to offer awards to students who:

- (1) apply to the Faculty of Law at the University of Manitoba and meet the requirements for early admission;
- (2) are normally residents of the province of Manitoba;
- (3) accept an offer of admission on or before March 15th in the year of application;
- (4) demonstrate both high academic achievement and the personal characteristics associated with the highest standards of the profession.

The selection committee will determine the number and value of the individual awards offered annually.

The selection committee will be named by the Dean of the Faculty of Law and will include a representative of Taylor McCaffrey LLP.

PITBLADO LLP ENTRANCE AWARD

The partners of Pitblado LLP have made a contribution of \$50,000, matched equally by the Manitoba Scholarship and Bursary Initiative, to create an endowment fund of \$100,000 to provide entrance awards to qualified students entering the first year of study in the Faculty of Law at the University of Manitoba. These awards are intended to recognize top Manitoba applicants who accept an early offer of admission from the Faculty of Law at the University of Manitoba. The available annual interest will be used to offer awards to students who:

- (1) apply to the Faculty of Law at the University of Manitoba and meet the requirements for early admission;
- (2) are normally residents of the province of Manitoba;

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- (3) accept an offer of admission on or before March 15th in the year of application;
- (4) demonstrate both high academic achievement and the personal characteristics associated with the highest standards of the profession.

The selection committee will determine the number and value of the individual awards offered annually.

The selection committee will be named by the Dean of the Faculty of Law and will include a representative of Pitblado LLP.

GRADUATE STUDENT THESIS RESEARCH AWARD IN THE AREA OF CHILD DEVELOPMENT

The intention of this award is to encourage the development of professionals who are prepared and dedicated to fostering wholesome development of children through research. The award provides financial assistance to graduate students for Master's thesis or doctoral dissertation research that pertains to the development of the child (birth to 12 years).

The award(s), which is tenable only at the University of Manitoba, will be offered to students who:

- (1) are registered full-time in the Faculty of Graduate Studies at the University of Manitoba; *(All graduate students are registered in the Faculty of Graduate Studies, not in any discipline faculty or department. Hence, graduate students from anywhere within the University are eligible to apply, the condition being that the research pertains to child development as defined. Furthermore, if the Faculty of Graduate Studies admits a student regardless of citizenship, then this award respects the Faculty of Graduate Studies admission policy.)*
- (2) have completed the course requirements for their graduate degree;
- (3) have achieved a minimum cumulative grade point average of 3.5 in their graduate program;
- (4) are pursuing Master's thesis or doctoral dissertation research that pertains to the development of the child (birth to 12 years).

The Faculty of Graduate Studies will advertise this award in March of a given year with a June deadline. To apply, students must submit an official transcript of grades, a thesis or dissertation proposal (maximum 1,200 words), a budget of costs related to the research proposed, and a letter of reference from the student's supervisor.

The selection committee will be named by the Dean of the Faculty of Graduate Studies and will include three faculty members: one child developmental professional from three different departments in which child development or developmental psychology is taught. The Dean of

SENATE COMMITTEE ON AWARDS REPORT TO SENATE - APRIL 13, 2006

the Faculty of Graduate Studies (or designate) will serve as Chair.

The total sum available for award annually is \$2,000. The selection committee will have discretion to determine the value of the award(s) offered to selected candidates based on the merit of the proposal and budget. Upon completion of the research, the recipient(s) will submit a summary of the research results with an accounting of expenditures to the Dean of Graduate Studies.

In a given year, if no suitable application can be funded or the amount awarded is less than the \$2000, the balance is to be transferred to the Lois M. Brockman Graduate Student Thesis Research Award in the Area of Child Development endowment.

Theses or dissertations and publications that have been assisted by the Graduate Student Research Award in the Area of Child Development are expected to acknowledge the support received.

VICTORIA INN BURSARY

The management of the Victoria Inn Hotel and Convention Centre has provided an initial contribution of \$5,000, matched equally by the Manitoba Scholarship and Bursary Initiative, to establish an endowment fund of \$10,000. The annual bursary will be offered to a student who:

- (1) is a staff member of the Victoria Inn or is a sibling of a Victoria Inn staff member (priority in selection will be given to staff members);
- (2) is enrolled full-time in any Faculty of School (including University 1) at the University of Manitoba;
- (3) as an entering student, achieved a minimum high school average of 70% on courses used for admission purposes (students admitted with mature student status will be considered eligible) or, as a continuing student, has achieved a minimum cumulative grade point average of 2.0;
- (4) has demonstrated financial need on the standard University of Manitoba bursary application form.

The Victoria Inn will advertise this award to its staff each year in the fall. Eligible students will be asked to submit their applications to the Financial Aid and Awards Office on or before the designated deadline date. The selection committee will choose a recipient only from among those who have applied for the award.

The selection committee will have the discretion to divide the available interest to offer more than one bursary.

The selection committee will be named by the Director of Financial Aid and Awards.

AMENDMENTS

SEPTODONT / LOUIS NIEF PRIZE

At the request of the donor, the value of this prize will be increased to \$500 (from \$250) effective with the 2005-2006 award offer.

ROBERT J. PARKER GRADUATE FELLOWSHIP IN SWINE SCIENCE

The terms of reference for this fellowship will undergo two amendments. First, the name of the award will be amended to ROBERT J. PARKER GRADUATE FELLOWSHIP IN *ANIMAL* SCIENCE. Second, in both the second and third criteria, "swine" science will be replaced with "animal" science.

JAMES FARMS AWARD

At the request of the donor, the value of this award will be increased to \$500 (from \$400).

AGRICULTURE FACULTY AWARDS

The terms of reference for this award will undergo two amendments. First, as Agriculture Economics has been collapsed into Agribusiness, Agriculture Economics will be removed from the list of programs outlined in the terms of reference. As a result, the number of awards offered will be amended to eight (from nine). Second, Plant Biotechnology will replace Plant Systems.

MANITOBA SEED GROWERS AWARDS

These awards are currently offered to students in Plant Systems or Agronomy. This will be updated to Plant Biotechnology or Agronomy.

BRYAN F. ZILKEY BURSARY ROSSNAGEL SCHOLARSHIP FOR ACADEMIC IMPROVEMENT

These awards are currently offered to students in Plant Systems. The terms of reference will be updated to reflect the program change to Plant Biotechnology.

DR. PETER E. CANSFIELD CHEMISTRY AWARD

The terms of reference for this award will undergo several amendments. First, the named will be amended to the *DR. PETER E. CANSFIELD AWARD*. Second, the value of the award will be amended to the available annual interest (from a fixed value of \$500). Third, the award has been directed to a student who is completing the third year of study in the Food Science Program in the Faculty of Agricultural and Food Sciences and achieves highest standing in three courses. The year of study will no longer be specified, and it will be noted that students will be considered for this award only once, in the year in which all three courses are first

SENATE COMMITTEE ON AWARDS REPORT TO SENATE - APRIL 13, 2006

completed. This may occur upon completion of 60 or 90 credit hours. Finally, the courses currently used include General / Introductory Chemistry, Organic Chemistry, and Food Chemistry. General / Introductory Chemistry will be replaced with Biochemistry and all courses numbers will be updated to reflect the new numbering system.

NEWMAN STEPHENS AWARD FOR EXCELLENCE IN RESPIRATORY PHYSIOLOGY

First, at the request of the donor, the name of this award will be amended to the *NEWMAN STEPHENS AWARD FOR EXCELLENCE IN RESPIRATORY OR MOLECULAR PHYSIOLOGY*. Second, the second and fourth criteria that currently refer to Respiratory Physiology will be amended to include Molecular Physiology.

DAVID IAN MacKENZIE MEDAL

With the addition of a cash prize, the name of this award offered in Zoology will be amended to the *DAVID IAN MacKENZIE MEDAL AND PRIZE*.

MAXWELL STARKMAN SCHOLARSHIP IN ARCHITECTURE

The terms of reference for this scholarship will undergo one amendment. Currently, the terms state that the award will be offered to a student "enrolled full-time in the first or second year of study in any of the four graduate programs in the Faculty of Architecture". This will be amended to "is enrolled full-time in any of the four graduate programs in the Faculty of Architecture".

JAMES GORDON FLETCHER GRADUATE RESEARCH AWARD IN ARTS

The terms of reference for this award will undergo one amendment. Currently applicants must submit a statement of proposed research, research budget, travel plans if any, and current transcripts. The requirement for current transcripts will be amended to a student history certified by the student's home department and, in addition, a grade register of any courses just completed (certified as a true copy by the department graduate chair). In addition, letters of support from the department graduate chair and supervisor must also be submitted.

BONNIE SCHULTZ MEMORIAL SCHOLARSHIP

The terms of reference for this scholarship in the Faculty of Pharmacy will undergo one amendment. The scholarship is currently awarded for outstanding merit in the courses Dispensing Laboratory (currently numbered 46.346) and Drug Information (46.342), with particular emphasis on the Medication Information Line component. Effective for the 2006-2007 award offers, the scholarship will be awarded for outstanding merit in the *Standardized Patient Stream of Skills Lab 1, 2 and 3, with particular emphasis on the Drug Information component*.

PROCURITY PHARMACY SERVICES INC. AWARDS

Currently, the terms of reference for this prize outline the offer of two convocation prizes for Skills Lab 4. Skills Lab 4 will be amended to *Pharmacy Administration (currently numbered 46.460)*.

HALSEY A. PARK MEMORIAL PRIZE

The terms of reference for this prize offered in the Faculty of Pharmacy currently state that the award will be offered to a student of outstanding merit in Clinical Pharmacy I and Clinical Pharmacy II (currently numbered 46.341 & 46.444 respectively). This will be amended so that the award will now be offered to a student of outstanding merit in *the aggregate of the Clinical Pharmacy stream (currently numbered 46.231, 46.331 and 46.444)*.

DR. D. McDOUGALL MEMORIAL SCHOLARSHIP

The terms of reference for this scholarship offered in the Faculty of Pharmacy currently state that the award will be offered to a student of outstanding merit in Dispensing Laboratory I (currently numbered 46.239) and Pharmaceutics I (currently numbered 46.247). This will be amended so that the award will now be offered to a student of outstanding merit in *Fundamentals of Pharmaceutics (currently numbered 46.130)*.

FLEXON SILVER MEDAL

The terms of reference for this medal offered in the Faculty of Pharmacy currently state that the medal is offered for the highest standing in Medicinal Chemistry I (currently numbered 46.140), Medicinal Chemistry II (46.240) and third year Medicinal Chemistry course (46.340). This will be amended so that the award will now be offered for highest standing in *the aggregate of second and third year Medicinal Chemistry*.

STEWART G. WILCOX AWARD

This award in the Faculty of Pharmacy is currently offered to a student who has achieved the highest standing in the course Principles of Professional Practice (currently numbered 46.210). This will be amended to state that the award will be offered to a student who has achieved the highest standing in the *jurisprudence section of Skills Lab 2 (currently numbered 46.210)*.

WITHDRAWAL

PETER LUBA AWARD FOR INNOVATIONS IN MATHEMATICS METHODS

This award is to be withdrawn due to a discontinuation in funding.

CDS TECHNOLOGIES THESIS PRIZE

This award is to be withdrawn due to a discontinuation in funding.

TAYLOR McCAFFREY ENDOWMENT FUND

At the request of the donor, the terms of reference for this award in the Faculty of Law will be withdrawn. The existing endowment fund will be redirected to support the *TAYLOR McCAFFREY LLP ENTRANCE AWARD* in the Faculty of Law.

SENATE COMMITTEE ON AWARDS REPORT TO SENATE - APRIL 13, 2006

PITBLADO LLP ENDOWMENT FUND

At the request of the donor, the terms of reference for this award in the Faculty of Law will be withdrawn. The existing endowment fund will be redirected to support the *PITBLADO LLP ENTRANCE AWARD* in the Faculty of Law.

Annual Report of the Senate Committee on Academic Computing

Preamble

1. The terms of reference for the Senate Committee on Academic Computing are found in Section 8.9 of the *Senate Handbook* (revised 2000).
2. The Committee is charged with providing advice and recommendations to Senate on:
 - a) the University's general policies relating to the development and use of computing and networking in instruction and research;
 - b) prioritizing support for the development and delivery of computing and network services; and
 - c) computer services policies and their effect on faculty and students.

Observations

1. Members of the Committee for 2005-2006 were: Dr. D. Jayas, Mr. G. Miller, Ms. C. Presser, Dean D. Witty, Dean D. Hyrcenko, Professor G. Schreckenbach, Professor B. Luterbach, Professor M. Matthews, Professor M. Singer, Professor M. Brabston, Professor E. Scott, Mr. P. Tittenberger, Mr. D. Gregoire, Mr. K. Mendoza, Mr. G. Abhishek, Mr. M. Agelinchaab, and Dr. R. Lobdell as Chair.
2. No matters were referred to the Committee for consideration, therefore, no meetings were held during the reporting period.

Respectfully submitted,

Dr. R. Lobdell, Chair
Senate Committee on Academic Computing.

/lrjl

ANNUAL REPORT OF THE SENATE COMMITTEE ON ACADEMIC DRESS 2005-2006

Preamble

The Terms of Reference for the Senate Committee on Academic Dress are found in Section 8.10 of the *Senate Handbook*.

Observations

1. The Senate Committee on Academic Dress did not meet during the reporting term.
2. Members of the Senate Committee on Academic Dress for the 2005-2006 reporting term were: Prof. C. Rabinovitch, Chair, Prof. L. Chalmers, Mr. N. Marnoch, Prof. L. Horne, Ms. C. Roos, and Ms. B. Jones.

Respectfully submitted,

Dr. C. Rabinovitch, Chair
Senate Committee on Academic Dress

/lrjl

Annual Report of the Senate Committee on Academic Freedom

Preamble

The Terms of Reference for the Senate Committee on Academic Freedom were not revised in the 2005-2006 year; the terms of reference are found in Section 8.12 of the online *Senate Handbook*.

Observations

1. The membership of the Committee for 2005-2006 included: Professor J. Anderson (Medicine), Professor N. Subotincic (Architecture), Professor B. Stimpson (Engineering), Professor M. Gabbert (Arts), Professor D. Fuchs (Social Work), Mr. I. Mauro (Graduate Studies), and Mr. A. Moreau (Law).
2. The Committee met once during the reporting period to undertake a review of the language used in agreements with university benefactors to protect academic freedom. The report was presented to Senate at its December 7, 2005 meeting.

Respectfully submitted,

Nada Subotincic, Chair
Senate Committee on Academic Freedom

/nis

Annual Report of the Senate Committee on Academic Review

Preamble

The Terms of Reference for the Senate Committee on Academic Review were not revised in the 2005-2006 year; the terms of reference are found in Section 8.13 of the online *Senate Handbook*.

Observations

1. The membership of the Committee for 2005-2006 included: Dr. R. Lobdell, (Vice-Provost Programs), Dr. R. Kerr, (Vice-President Academic and Provost), Dr. J. Doering (Dean, Faculty of Graduate Studies), Dr. J. de Vries, (Dean, Faculty of Dentistry), Dr. D. Witty, (Dean, Faculty of Architecture), Prof. J. Van Rees, (Science), Prof. B. Dronzek (Agricultural and Food Sciences), Prof. J. Dalton (Medicine), Ms. C. Leach (Arts) and Ms. C. Schultz (Environment, Earth and Resources).
2. The Committee met once during the reporting period. A report was drafted that provided an update on completed Graduate Program reviews. This was the first report that had gone forward to Senate. The report was endorsed by the Committee and approved by Senate on January 4, 2006.

Respectfully submitted,

Richard Lobdell, Chair
Senate Committee on Academic Review

/nis

**ANNUAL REPORT OF THE SENATE COMMITTEE ON ADMISSIONS
(SCADM)
FOR THE YEAR FROM MAY 1, 2005 TO APRIL 1, 2006**

The terms of reference for the Senate Committee on Admissions (SCADM) are found on pages 10.6 to 10.8 of the Senate Handbook (1992).

Subsequent to the 2005 Annual Report, SCADM met on September 1, 2005, September 30, 2005, November 3, 2005, February 16, 2006 and March 14, 2006. The following matters were addressed by the committee:

1. Faculty of Dentistry – SCADM reviewed a proposal to delete an admission sub-category that allowed students with a dental degree from outside of Canada to be considered in the special applicant category. Approved by the Senate Committee on Admissions, September 1, 2005. Approved by Senate, October 5, 2005.
2. Faculty of Human Ecology – SCADM reviewed a proposal to accept a maximum of 80 applicants to each undergraduate program for each regular session. Approved by the Senate Committee on Admissions, September 30, 2005. Approved by Senate, December 7, 2005.
3. Faculty of Physical Education and Recreation Studies – SCADM reviewed a proposal to base admission solely on GPA. Approved by the Senate Committee on Admissions, September 30, 2005. Approved by Senate, December 7, 2005.
4. Faculty of Agriculture and Food Science – SCADM reviewed a proposal to remove high school chemistry as a requirement for Agribusiness. Approved by the Senate Committee on Admissions, November 3, 2005. Approved by Senate, December 7, 2005.
5. Enrolment Services and University 1 – SCADM reviewed a proposal to change the general entrance requirements of the university and specific subject requirements of University 1. Approved by the Senate Committee on Admissions, November 3, 2005. Approved by Senate, December 7, 2005.
6. Faculty of Pharmacy – SCADM reviewed a proposal to modify the admission requirement concerning residency in Manitoba. It was recommended that Pharmacy applicants who are Canadian citizens and have completed both their high school studies and pre-Pharmacy university education outside of Manitoba, but who can demonstrate current residency in the Province of Manitoba of at least one year (12 consecutive months) continuous at the time of application be considered under priority 1 group for admission to Pharmacy. Approved by the Senate Committee on Admissions, February 16, 2006. Approved by Senate, April 5, 2005.

7. Faculty of Law – SCADM reviewed a proposal to change the following three admission criteria: (1) the highest LSAT score obtained will be used in the calculation of index scores, (2) results for law school admissions tests will have a ‘shelf-life’ of five years, (3) transfer applications from law students completing first year outside of Canada will now be considered for admission. Approved by Senate Committee on Admissions, February 16, 2006. Approved by Senate, April 5, 2005.

8. Faculty of Engineering – SCADM reviewed a proposal to change the following: (1) a new first-year math course, (2) an opportunity for a biology option in the first-year – the second course physics would become an elective in order to create this opportunity, (3) a reduction in credit hours in the engineering courses from four to three and (4) current first year computer aided design (CAD) courses be moved to an upper year. Approved by Senate Committee on Admissions, February 16, 2006. Approved by Senate, April 5, 2005.

9. Faculty of Medicine – SCADM reviewed a proposal to remove the English or French literature prerequisite from the evaluation process. Approved by Senate Committee on Admissions, March 14, 2006. *Pending Senate approval.*

10. Faculty of Education – SCADM reviewed a proposal to revise admission criteria to meet the new provincial teacher certification requirements for Early Years and Middle Years teachers in the Province of Manitoba. Approved by Senate Committee of Admissions, March 14, 2006. *Pending Senate approval.*

Preamble

1. The terms of reference for the Senate Committee on Admission Appeals are found in Section 8.15 of the *Senate Handbook*.
2. The Committee is charged to hear and determine appeals from:
 - a) decisions of faculty and school Selection Committees;
 - b) administrative decisions affecting the admission process;
 - c) decisions related to the transfer of credit policy of the faculty/school; and
 - d) the possible granting of advance standing;
3. The Committee is to report to Senate on the determination of all appeals submitted to it; and recommend on any changes in admission policies and procedures which should be considered as a result of the appeal.

Observations

1. Members of the Committee for 2002-2003 were Professor A. Gerhard (Science), Professor J. Dean (Arts), Professor M. Abrahams (Science), Professor P. McVetty, (Science), Professor R. Burleson (Music), Professor. A. Sloane-Seale (Continuing Education), Professor D. Bracken (Social Work), Professor G. DeVerteuil (Clayton H. Riddell Faculty of Environment, Earth, and Resources), Professor D. Jenkinson (Education), J. Mason (Student), Mr. P. Lagoioia (Student), Mr. A. Barker (Student) and Professor P. Osborne as Chair.
2. Sections 10.3.1 of the *Handbook* outlines the requirement that all Standing Committees of the Senate prepare an annual report to represented normally at the May meeting of Senate. The Senate Committee on Admission Appeals is one which reports to Senate on an ongoing basis as appeals are heard. These reports, which are contained in the Senate minutes are summarized below:

During the period from April 1, 2005 to March 31, 2006 the Committee received 2 appeals with both being heard during this time period.

FACULTY	DECISION
Nursing	denied
Social Work	denied

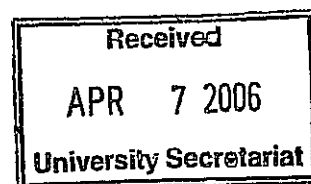
Respectfully submitted,

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

ANNUAL REPORT OF THE SENATE COMMITTEE ON ANIMAL CARE
for the period May 2005 to April 2006

The Senate Committee on Animal Care (SCAC) consists of:

Digvir Jayas, Associate Vice-President (Research) and Chair
Ed Kroeger (for Dean Sandham), Faculty of Medicine
Jim Hare (for Dean Whitmore), Faculty of Science
Tammy Ivanco (for Dean Sigurdson), Faculty of Arts
Michael Trevan, Faculty of Agricultural and Food Sciences
Kevin Coombs, Faculty of Graduate Studies
Elliot Scott, Faculty of Dentistry
Kees Plaizier, Department of Animal Science
Carla Taylor, Department of Human Nutritional Sciences
Alison Calder, Department of English
Terry Dick, Department of Zoology
Susan Shefchyk, Department of Physiology
Robert Madziak, Central Animal Care Services
Randy Aitken, St. Boniface General Hospital Research Centre
Nora Lewis, Director, Animal Care and Use Program
Tania Schaerer, Undergraduate Student Representative
Parthiban Muthukumarasamy, Graduate Student Representative
Brent Thomas, Community Representative

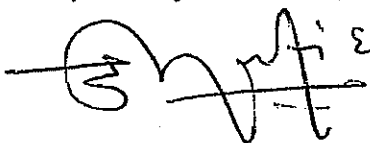


During the 2005-06 year, the SCAC has:

1. Conducted the spring meeting of the committee on April 20, 2005. This meeting focussed on the receipt and review of reports on the activities of the PMRCs (Fort Garry and Bannatyne Campus), the Education Sub-Committee (ESC), the Infrastructure Planning Committee (IPC), and the activities of the Local Animal Users Committees (LAUCs). The SCAC accepted the recommendations presented for new and renewed committee membership. Highlights of the reports presented include:
 - i Infrastructure upgrade funding of approximately \$554,854 was received with \$495,854 coming from the VP Administration through the indirect costs program and \$59,000 coming from the faculties of Arts, Science and Medicine. This funding was used to implement infrastructure upgrade requirements in Central Animal Care Services and the departments of Psychology and Zoology.
2. Conducted the fall meeting of the committee on November 2, 2005. Verbal reports from the Chairs of the PMRCs, the ESC and the IPC were heard. Other business included:
 - i Notification from the Canadian Council on Animal Care (CCAC) that following the June 2004 site visit, the university was granted the status of Conditional Compliance. Upon receipt of the status, the university requested a special meeting with the CCAC Assessment Director to provide an update on the university's progress as it related to the implementation reports. Following this meeting, the university was granted full Compliance.

- ii The review of the draft animal adoption document. This document was accepted. Two dogs have since been successfully adopted out through this program.
 - iii The review of the draft revised policy 1404, Care and Use of Animals. This document was also accepted pending the incorporation of minor changes as suggested by the SCAC.
 - iv The revised process for obtaining scientific/teaching merit for the Faculties of Medicine and Dentistry and the St. Boniface General Hospital Research Centre was reviewed and approved.
3. The spring 2006 meeting of the SCAC will be held in April. The meeting will focus on the receipt and review of reports on the activities of the PMRCs (Fort Garry and Bannatyne Campus), the ESC, the IPC, and the activities of the Local Animal Users Committees (LAUCs). The SCAC will also review the recommendations presented for new and renewed PMRC membership.
4. Plans for 06/07 include the review of long term plans as prepared by animal facility directors.

Respectfully submitted,



Dr. Digvir S. Jayas, Associate Vice-President (Research)
and Chair, Senate Committee on Animal Care

Preamble

1. The terms of reference for the Senate Committee on Appeals are found on page 10.16 of the *Senate Handbook* (Rev. 1992).
2. The Committee is charged to hear and determine appeals from:
 - a) decisions made by academic administrators involving Senate regulations in which faculty or school councils have no jurisdiction; and
 - b) appeals against decisions taken by Awards Selection Committees of faculties and schools.
3. The Committee is to report to Senate on the determination of all appeals submitted to it; and advise the Executive Committee of any Senate regulations affecting students which appear to be creating particular difficulties.

Observations

1. Members of the Committee for 2004-2005 were, Dean. D. Hrycaiko (Physical Education and Recreation Studies), Dean. J. deVries (Dentistry), Dean. J. Weins (Education), Professor. B. Stimpson (Engineering), Professor A. Young (Arts), Professor J. Welsh (Education), Professor J. Page (Science), Professor M. Robinson (Counselling Services), Professor W. Watson (Medicine), Professor P. Patterson, Dean L. Rivard, (St. Boniface College), Ms. C. Leach, (Student), Mr. K. Adane (Student), Mr. A. Kashual (Student), Mr. O. Mall (Student), Mr. J. Mason (Student), Mr. J. Macces (Student) and Dr. J. Hoskins as Chair.
2. Sections 10.3.1 of the *Handbook* outlines the requirement that all standing committees of Senate prepare an annual report to be represented normally at the May meeting of Senate. The Senate Committee on Appeals is one which reports to Senate on an ongoing basis as appeals are heard. These reports, which are contained in the Senate minutes are summarized below:

During the period from April 1, 2005 to March 31, 2006 the Committee received 19 appeals with 17 being heard during this time period. There remains 1 appeal pending and 1 appeal was returned to a lower body to review before a hearing was set.

#	FACULTY	DECISION
2	Arts	1 granted, 1 withdrawn
1	Education	1 denied
4	Engineering	1 granted, 2 denied, 1 withdrawn
6	Graduate Studies	1 granted, 2 denied , 3 files closed
3	Science	1 granted, 1 denied, 1 withdrawn
1	Social Work	1 denied

Respectfully submitted,

Dr. J. A. Hoskins, Chair
Senate Committee on Appeals

April 17, 2006

Annual Report of the Senate Committee on Approved Teaching Centres

Preamble

The Terms of Reference for the Senate Committee on Approved Teaching Centres (SCATC) are found on pages 10.10 and 10.11 of the *Senate Handbook*.

Observations

1. The current Approved Teaching Centres are:

Prairie Theatre Exchange
William and Catherine Booth College
2. In 2005-2006 the SCATC conducted its regular spring business of reviewing cross-registered courses to be offered by the Approved Teaching Centres, together with the proposed instructors, and recommending the same to Senate at its June meeting.

Respectfully submitted,

Senate Committee on Approved Teaching Centres

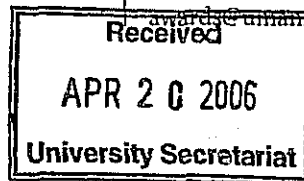
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Enrolment Services

Financial Aid & Awards
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Telephone (204) 474-9531
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awards@umanitoba.ca



April 20, 2006

ANNUAL REPORT OF THE SENATE COMMITTEE ON AWARDS

1. The Committee met nine times between May 1, 2005 and April 30, 2006 (in the same time period last year, we met eight times).
2. The terms of reference for the Senate Committee on Awards are found in the Senate Handbook on pages 10.10-10.11.
3. The Committee members are:

Professor R. Baydack, Faculty of Environment (Chair of the Committee)
Professor A. Louka, Faculty of Dentistry (Vice-chair of the Committee)
Professor P. Hultin, Faculty of Science
Professor B. Ferguson, Faculty of Arts
Professor C. Ateah, Faculty of Nursing
Ms. S. Hatcher, Aboriginal Focus Programs
Dean J. Doering, Faculty of Graduate Studies (or his designate)
Ms. R. Guilfoyle, Student, Faculty of Medicine
Mr. N. Lesage, Student, I.H. Asper School of Business
Mr. P. Dueck, Director, Enrolment Services
Ms. C. Richardson, Awards Selection Coordinator, Enrolment Services
Ms. D. Kaspersion, Awards Establishment Coordinator, Enrolment Services /
Advancement Services (Secretary of the Committee)

OBSERVATIONS

1. The Senate Committee on Awards (SCOA) terms of reference 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 Policy No. 419, such offers shall be submitted to Senate for approval." (Senate, April 5, 2000)
2. The Committee reported to Senate on the following:
 - (a) the approval of 78 new awards (compared to 80 new awards last year);

- (b) the approval of amendments to 90 existing awards (compared to 104 amendments to existing awards last year);
 - (c) the withdrawal of 15 awards previously approved by Senate (compared to 15 withdrawals last year).
3. There were six requests (compared to five last year) for exemptions to the University policy on Non-Acceptance of Discriminatory Bursaries and Scholarships. The Committee continues to monitor requests for special consideration of acceptance of awards in this category.

Respectfully submitted,

Diana Kopsion (for)

R. Baydack, Chair
Senate Committee on Awards

April 17, 2006

Annual Report of the Senate Committee on the *Calendar*

Preamble

1. The terms of reference for the Senate Committee on the *Calendar* are found in Section 8.20 of the *Senate Handbook* (revised 2000).
2. The Committee is charged with preparing the University Calendars and providing advice on matters referred to it concerning the University Calendars.

Observations

1. Members of the Committee for 2005-2006 were: Professor P. Hultin (Science), Ms. J. Horner (Libraries), Ms L. Hamilton (*Calendar* editor), Mr. D. Gordon (Architecture), Mr. N. Marnoch (Director of Student Records), Professor T. Hassard (Graduate Studies), and Mr. J. Leclerc as the Chair.
2. The Committee met once during the reporting period to discuss two issues.
 - a) Listing protocol: the Committee approved the listing of faculties and schools in the *Calendar* (web and paper) by discipline and cross-referenced by other titles of the faculty. This will assist students when searching for Faculties.
 - b) Incorporating the *Registration Guide* into the *Calendar*: The Committee discussed binding the *Registration Guide* and the *Calendar* together. The two documents would be kept separate, but would be bound together.

A report was made to Senate on September 7, 2005 informing it of the changes being made to the *Calendar*.

Respectfully submitted,

Mr. Jeff M. Leclerc, Chair
Senate Committee on the *Calendar*

/nis

April 17, 2006

Annual Report of the Senate Committee on Curriculum and Course Changes

Preamble

The terms of reference for the Senate Committee on Curriculum and Course Changes (SCCCC) are found in Section 8.21 of the *Senate Handbook* (revised 2000). SCCCC is "to recommend to Senate on the introduction, modification or abolition of undergraduate programs, curricula or courses".

Observations

1. Members of the Committee for 2005-2006 were: Professor E. Worobec (Science), Professor J. Welsh (Education), Professor B. Ferguson (Arts), Professor D. Brownridge (Human Ecology), Professor H. Davidson (Continuing Education), Professor J. Cooper (Medical Rehabilitation), Dr. R. Lobdell (Vice-Provost (Programs), Ms. C. Steer/Ms. J. Horner (Libraries), Mr. D. Gordon (Student), Mr. K. McLean (Student), Mr. D. Reske (Student) and Professor B. Dronzek (Agricultural and Food Sciences) as Chair.
2. During the reporting period the Committee reported to Senate on:
 - May 18, 2005 - course changes from departments totaling less than nine credit hours in various faculties and schools.
 - December 7, 2005 - course changes from departments totaling less than nine credit hours in various faculties and schools

Supporting documentation for these reports is available for inspection in the Office of the University Secretary (312 Administration Building) upon request.

Respectfully submitted,

Professor B. L. Dronzek, Chair
Senate Committee on Curriculum and Course Changes

/nis



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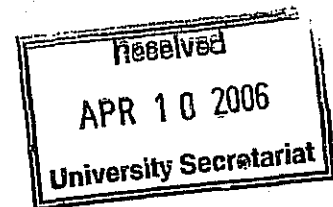
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**ANNUAL REPORT OF THE SENATE COMMITTEE ON THE ETHICS OF RESEARCH
INVOLVING HUMAN SUBJECTS (SCERIHS)**
for the period May 2005 to April 2006

The Senate Committee on the Ethics of Research Involving Human Subjects (SCERIHS) consists of:

Peter Cattini, Associate Vice-President (Research), (*ex-officio*), Chair
Edward Johnson, Faculty of Arts
Denny Smith, Faculty of Dentistry
Tuula Heinonen, Faculty of Social Work
Maureen Heaman, Faculty of Nursing
Harvy Frankel, Faculty of Social Work
Sandra Ingram, Faculty of Engineering
Sam Cowling, Faculty of Graduate Studies (graduate student)
Ismail Yumkella, Faculty of Nursing (undergraduate student)
Scott Armstrong (community representative)
John Irvine, Faculty of Law



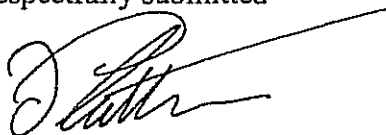
and, **Research Ethics Boards (REBs) Chairs** (*ex-officio*), appointed by SCERIHS:

Nick Anthonisen (Faculty of Medicine), Chair of **Biomedical Research Ethics Board (BREB)**
Ken Brown (Faculty of Medicine), Chair of **Health Research Ethics Board (HREB)**
Laine Torgrud (Faculty of Medicine), Acting Chair of **Health Research Ethics Board (HREB)**
Bruce Tefft (Faculty of Arts), Chair of **Psychology/Sociology Research Ethics Board (PSREB)**
Stan Straw (Faculty of Education), Chair of **Education/Nursing Research Ethics Board (ENREB)**
Wayne Taylor (Faculty of Arts), Chair of **Joint-Faculty Research Ethics Board (JFREB)**

1. The EPIC sub-committee (Ethics Policy Implementation Committee) met two times between April 1, 2005 and March 31, 2006. The sub-committee consists of the five REB chairs, the human ethics coordinator(s), and is chaired by Dr. Peter Cattini. Members of EPIC continue to investigate ways to provide educational opportunities for both reviewers and researchers alike, in an effort to improve the protocol submission and review process. Throughout the year the Human Ethics Coordinators and various Chairs attended or presented at the request of various committees and groups on campus. The EPIC sub-committee met in response to issues as they occurred, and was available as a resource for the many questions that arose during the year.

2. There were no instances of non-compliance with Policy #1406 (The Ethics of Research Involving Human Subjects) during the 2005 - 2006 year.
3. The REBs meet and review protocols on a monthly basis. The two Bannatyne Campus REBs reviewed 471 protocols between January 1 and December 31, 2005. The three Fort Garry Campus REBs reviewed 401 protocols between January 1 and December 31, 2005.

Respectfully submitted



Peter A. Cattini, PhD

Associate Vice-President (Research)

Chair, Senate Committee on the Ethics of Research Involving Human Subjects

copy Joanne C. Keselman, Vice-President (Research)

Margaret Bowman, Coordinator, Human Ethics

April 17, 2006

Annual Report of the Senate Committee on Honorary Degrees

Preamble

The terms of reference for the Senate Committee on Honorary Degrees are found in Section 8.25 of the *Senate Handbook* (revised 2000).

Observations

1. The membership of the Committee for 2005-2006 included: Dr. E. J. E. Szathmáry (President), Ms. A. Aziz (President of UMSU), Mr. B. Miller (President of Alumni Association), Prof. J. Stapleton (St. Paul's College), Professor J. E. Cooper (Medicine), Dean Ruth (Engineering), Dr. T.E. Anna (Arts), Mr. E. B. Pollard (community representative) and Dr. W. Norrie (Chancellor) as Chair.
2. The Committee on Honorary Degrees reports to Senate as required in closed session on candidates for honorary degrees, special convocations, and the naming of buildings, parts of buildings, roadways and special units.
3. During the period April, 2005 to March, 2006, the Committee reported to Senate on three occasions: June 29, 2005, November 21, 2005, and March 10, 2006. Details of these reports are available in the Office of the University Secretary (312 Administration Building) upon request by eligible members of Senate.
4. After having served as community representative since 1970, Mr. Earl B. Pollard retired from the committee in November, 2005. The committee would like to thank Mr. Pollard for his years of continued support and participation on the Senate Committee on Honorary Degrees.

Respectfully submitted,

Dr. W. Norrie, Chair
Senate Committee on Honorary Degrees

Terms of Reference: *Senate Handbook* (revised 2000), Section 8.25.

/cpk

Annual Report of the Senate Committee on Instruction and Evaluation

Preamble:

The terms of reference for the Senate Committee on Instruction and Evaluation (SCIE) are found in Section 8.26 of the *Senate Handbook* (revised 2000).

Observations:

1. Members of the Committee for 2005-2006 were: Dr. Cheryl Kristjanson, Dr. George Baldwin, Dr. John Long, Dean Anne Percival, Dr. Merv Pritchard, Dr. John Rempel, Prof. Bonnie Luterbach, Ms. Erin Peters, Ms. Julie Simpson, Mr. Eric Manraj and Mr. Aezeden Mohamed. *Ex-officio* resource members of the Committee were: Dr. David Kirby, Mr. Sherman Greenberg, Dr. Lynn Smith, and Ms. Amanda Aziz.
2. The Committee met on two occasions during the reporting period, November 3, 2005 and February 7, 2006.
3. At its meeting on November 3, 2005, the Committee approved modifications to policies concerning voluntary withdrawal (policy 1303) and challenge for credit (policy 1304). As well, the Committee approved the introduction of a new policy on the calculation of grade point averages.
4. At its meeting on February 7, 2006, the Committee:
 - a. approved the terms of reference for a committee to review SEEQ; and
 - b. discussed voluntary withdrawal rates at the University of Manitoba, with a view to further investigation of this phenomenon.

Respectfully submitted,

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

Annual Report of the Joint Senates Committee on Master's Programs

Preamble

The Terms of Reference for the Joint Senates Committee on Master's Programs can be found in the *Senate Handbook*, Section 8.27 (Revised 2005).

Observations

1. Members of the Committee for 2005-2006 were: Dean J. Doering, Professor Z. Lutfiyya, Professor P. Perkins, Professor J. Grace, Professor C. Borody, Professor Michael Weinrath, Ms. Sherry Zajac, Ms. M. McGunigal and Dr. Currie as Chair. Alternate members included: Professor T. Hassard, Professor Jensen, Professor E. Cloutis, Professor A. Rusnak, and Professor D. Abreu-Ferreira.
2. The Committee met four times during the reporting period. A report was drafted that recommended several changes to simplify the regulations and procedures of the Committee. The report was approved at the December 5, 2005 meeting of Senate.

/nis

Annual Report of the Joint Senates Committee on Master's Programs Appeals

Preamble

The Terms of Reference for the Joint Senates Committee on Master's Programs can be found in the *Senate Handbook*, Section 8.28 (Revised 2000).

Observations

1. Members of the Committee for 2005-2006 were: Professor A. Sloane-Seale, Professor M. Tobin, Mr. Abhishek Gupta, Professor J. Grace, Professor G. Gulford, Ms. A. Evers, and Dr. R. Murray as Chair.
2. No appeals were referred to the Committee for consideration, therefore, no meetings were held during the reporting period.

/nis

Annual Report of the Senate Committee on the Libraries

Preamble

The Terms of Reference of this Committee enable it to make broad assessments of the status of the libraries, their fiscal support, and their effect on faculty and students (see *Senate Handbook* Section 8.29).

Observations

1. Since its last annual report the Committee met on March 20, 2006 at which time it received a report from the Director of Libraries and received updates on the Collections, including the Acquisitions budget, Indirect Costs of Research, CFI, Canadian Research Knowledge Network, Center for Research Libraries membership. Updates were also presented for Technology, the academic librarian recruitment activities, digitization initiatives, the campaign for the libraries, and a survey of libraries services and resources.

Respectfully submitted,

Dr. Robert Kerr, Chair
Senate Committee on the Libraries

/nis



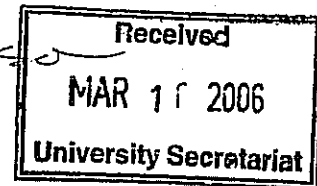
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To: Mr. Jeff Leclerc
University Secretary

From: Dr. Judy E. Anderson, Ph.D.
Associate Dean (Academic)



Date: March 7, 2006

Re: Senate Committee on Medical Qualifications

The Senate Committee on Medical Qualifications (SCMQ) considered two applications for registration and licensure with the College of Physicians and Surgeons of Manitoba under Section 64 of the Medical Act. They were Dr. M. Rafay, Department of Pediatrics and Child Health and Dr. E. Cowden, Department of Internal Medicine.

Members of the SCMQ are:

Dr. J. Anderson, Chair
Dr. S. Barakat
Dr. K. Grant
Dr. B. Kirk
Dr. W. Pope

Dr. Rafay is seeking to settle in practice as a Pediatric Neurologist with specialization in the area of Pediatric Stroke, as an academic physician. She also intends to continue and expand her clinical program of research into vasculopathies and pediatric stroke. The Senate Committee on Medical Qualifications received very strong letters from her supervisors in Toronto, evaluating her as having excellent clinical skills and foundational knowledge. One indicates "Dr. Rafay is one of the finest Paediatric Neurology residents that I have trained. She has used her scholarly approach to medicine to be equally successful in her stroke fellowship. She has four authored papers in press, a remarkable feat at such an early stage in her career." In view of the above, and a review of her C.V. and letters of reference the committee unanimously approved Dr. Rafay's application for registration and licensure under Section 64 of the Medical Act in the area of pediatric neurology.

Dr. Cowden is well known to the Department of Internal Medicine and to the University of Manitoba. She was formerly Head, Department of Internal Medicine at St. Boniface General Hospital and was employed by the University of Manitoba as a full-time academic physician from 1981 to 1996. Dr. Cowden has excellent training and is an expert in the area of endocrinology. Dr. Cowden has a very strong academic focus. In view of the above, and a review of her C.V., letters of reference as well as the committee members' personal knowledge of Dr. Cowden, the committee unanimously approved Dr. Cowden's application for registration and licensure under Section 64 of the Medical Act in the area of Internal Medicine (Endocrinology).

Annual Report of the Senate Committee on Nominations

Preamble

1. The Terms of Reference for the Committee are found in Section 8.31 of the *Senate Handbook* (online version).
2. The Senate Committee on Nominations is responsible for recommending academic staff and student nominees for standing, *ad hoc* and special committees of Senate, as well as recommending Senate representatives on other University committees and outside boards. The Committee's recommendations are forwarded to Senate for consideration and approval.

Observations

1. Members of the Committee for 2005-2006 were: Dean D. Hrycaiko, Professor R. Burleson, Professor M. Brabston, Professor N. Hunter, Professor D. Bracken, Professor A. Tate, Dean D. Collins, Professor A. Young, Ms. Karen Appel, Mr. Steve Zamick and Professor B. Dronzek as Chair.
2. The Committee reported to Senate at the June 29, 2005 Senate meeting to consider academic staff nominees for vacancies on standing committees of Senate.
3. The Committee reported to Senate at the March 1, 2006 Senate meeting to consider nominees for two vacancies on the Senate Committee on Appeals.
4. Student nominees for standing committees of Senate are prepared by a special sub-committee. Membership of the sub-committee includes three members of the student Senate caucus, three members of UMSU Council and the President (or designate) of UMSU. A list of nominees was received from this group and recommendations were made by the Senate Committee on Nominations at the October 5, 2005 Senate meeting.

Respectfully submitted,

Professor B. Dronzek, Chair
Senate Committee on Nominations

/lrjl

**Annual Report of the Senate Planning and Priorities Committee -
April 1, 2005 to March 31, 2006**

Preamble

The terms of reference for the Senate Planning and Priorities Committee are found in section 8.32 of the *Senate Handbook*.

Observations

1. Membership of the Committee during the reporting period included:

Elected by Senate:

Prof. N.R. Hunter (Chair)
Prof. A. Angel
Prof. M. Bartell
Prof. D. Bailis
Ms.A. Ducas
Prof. E. Epp
Prof. D. Fuchs

Prof. M. Gabbert
Prof. H. Janzen
Prof. J. Long
Prof. R. Menzies
Prof. B. O'Neill
Prof. D. Smyth
Prof. A. Tate

Student Members:

Ms. A. Aziz
Mr. K. Adane
Mr. M. Roy
Ms. M. Serbin
Mr. G. Singh

Ex-officio Members:

Dr. R. Lobdell Vice-Provost (Programs) – designate for President
Prof. K. Grant, Vice-Provost (Academic Affairs)
Ms. D. McCallum, Vice-President (Administration)
Dr. D.R. Morphy, Vice-Provost (Student Affairs)
Dr. D. Jayas, Associate Vice-President (Research) – designate for VP (Research)

2. The work of the Committee is carried out by three subcommittees:

Program and Curriculum Planning - chaired by D. Bailis/D. Fuchs
Space Planning - chaired by A. Tate/E. Epp
Finance Planning - chaired by N. R. Hunter

3. During the period April 1, 2005 to March 31, 2006, the Senate Planning and Priorities Committee met on nine occasions; April 4 2005, May 16 2005, August 2 2005, August 29 2005, September 26 2005, October 31 2005, November 21 2005, January 16 2006, February 27 2006.

4. The Chair of SPPC and the members of the Finance Planning subcommittee are members of the President's Budget Advisory Committee (BAC). This committee contributed to discussion of the University Budget through a series of meeting in 2005 and 2006. These meetings involved extensive presentations from all budget units, academic and administrative, at the University. The Committee has had an opportunity to provide input on the University's budget at each step of the resource allocation process. The Committee has had the opportunity to review faculty priorities in the context of University planning and resource allocation. The Committee also commented on the list of capital priorities.
5. I wish to thank the members who served on SPPC during the period covered by this report for their hard work, enthusiasm and dedication to the task. I also thank the University senior administration for attending meetings and providing the Committee with all pertinent information.

Respectfully submitted,

Norman R. Hunter, Chair
Senate Planning and Priorities Committee

Preamble

The terms of reference for the Committee on Rules and Procedures are found on page 10.22 of the *Senate Handbook* (1993).

1. The Committee is charged with providing advice and making recommendations to Senate on:
 - (a) proposed rules and procedures governing Senate and its Standing Committees; and
 - (b) proposed amendments to Faculty/School Council Bylaws.
2. On behalf of Senate, the Committee reviews new or amended bylaws proposed by department councils prior to consideration by a Faculty or School Council.

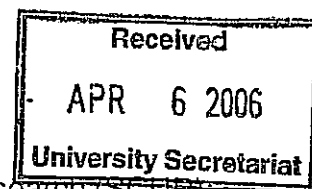
Observations

1. Members of the Committee for the 2005-2006 were: Dr. J. Long (Education), Prof. P. King (Science), Prof. T. Anna (Arts), Ms. C. Schultz (Student) and Dean H. Sector (Law) as Chair.
2. Requests to consider amendments to Faculty Council Bylaws were received from the Faculty of Nursing (Professional Unsuitability Bylaw), Faculty of Pharmacy Bylaw and Clayton H. Riddell Faculty of Environment, Earth, and Resources Bylaws.
3. Requests to consider amendments to Department Council Bylaws were received from the departments of the School of Medical Rehabilitation Council, Asper School of Business, Biochemistry and Medical Genetics, and the Psychology Departmental Professional Unsuitability Bylaw.

Respectfully submitted,

Dean H. Sector, Chair
Senate Committee on Rules and Procedures

SENATE REPORT ON UNIVERSITY RESEARCH
For the period May 2005 - April 2006



During May, 2005 to April 2006, the Senate Committee on University Research (SCUR).

1. Approved the composition of the Rh Institute Foundation Selection Committee for the 2005 Winnipeg Rh Institute Foundation Award.
2. Received up-dates in regard to Canada Foundation for Innovation's Leading Edge, New Initiatives and National Funds.
3. Received status reports on the Canada Research Chairs Program allocation and nominations.
4. Learned the Winnipeg Rh Institute Foundation Award was renamed in memory of Dr. John M. Bowman and of the recipient of the award for the year 2005; Dr. Lesley Degner, Professor, Faculty of Nursing.
5. Received up-dates regarding the on-going transformation of SSHRC along with information regarding the Strategic Plan, Knowledge Council 2006 - 2011.
6. Learned of the establishment of the Community Acquired Infections Research Group.
7. Received up-dates on the location of NSERC's Regional Office for the Prairies and the appointment of Mr. Ray Hoemsen as Manager.
8. Endorsed the development of an 'Alternate Village' to be located on the west side of the campus, as a 'test site' for a research programme focusing on alternative building materials and techniques; to be anchored by the Biosystems Strawbale Research Facility.
9. Received the results for the University Research Grants Program and UM/SSHRC Awards for the October 2005 competition.
10. Learned of the Year 2005 recipients of the Winnipeg Rh Institute Foundation "Rh Awards": Dr. Cyrus Shafai, Department of Electrical and Computer Engineering, Dr. Keith Fowke, Department of Medical Microbiology, Dr. Tina Chen, Department of History, Dr. Mario Tenjuta, Department of Soil Science, Dr. Gerald Gwinner, Department of Physics and Astronomy, Dr. Sandra Kouritzin, Department of Curriculum, Teaching and Learning.
11. Approved the composition of the Selection Committee for the 2006 Dr. John M. Bowman Memorial Winnipeg Rh Institute Foundation Award.
12. Discussed the transition to the new V.I.P. System and the challenges encountered by researchers in relation to short-term appointments.

13. Established sub-committees to review activities of the following Research Centres and Institutes: Internet Innovation Centre and Centre for Earth Observation Science.

The committee membership list for 2005/06 is attached for information.

Respectfully submitted,

A handwritten signature in black ink, appearing to read 'Joanne C. Keselman', with a large, stylized initial 'J'.

Joanne C. Keselman
Vice-President (Research) and
Chair, Senate Committee on University Research

SENATE COMMITTEE ON UNIVERSITY RESEARCH: Membership - 2005/06

Phone #

CHAIR	Dr. Joanne C. Keselman Vice-President (Research)	9404
EX-OFFICIO	Dr. Emőke J. E. Szathmáry President and Vice-Chancellor	9345
	Dr. Karen Grant Vice-Provost (Academic Affairs) (Designate for VP (Academic))	9051
	Dr. Digvir Jayas Associate Vice-President (Research)	6860
	Dr. Peter Cattini Associate Vice-President (Research)	9568
	Dr. Jay Doering, Dean Faculty of Graduate Studies	9887
(Non-voting)	Ms. Barbara Crutchley Director, Research Grant and Contract Services	9373
(Non-voting)	Ms. Nancy Klos Research Development Manager (Bannatyne Campus)	3672
MEMBERS/TERMS		
	Dr. Johann de Vries, Dean (05/06) Faculty of Dentistry	3249
	Dr. Mark Whitmore (05/08) Dean, Faculty of Science	9348
	Dr. David Collins (05/07) Dean, Faculty of Pharmacy	8794
	Dr. Michael Trevan (05/06) Dean, Faculty of Agricultural and Food Sciences	9380
	Dr. Jim Davie (05/08) Department of Biochemistry & Medical Genetics	787-2137
	Dr. David Barber (05/08) Department of Environment & Geography	9081
	Dr. Mary Kinnear (05/06) Department of History	8129

Dr. Rick Linden (05/06)
Department of Sociology 8457

Dr. Peter Watson (05/08)
Department of Pathology 789-3435

Dr. Don Fuchs (05/07)
Faculty of Social Work 7879

Dr. Rachael Scarth (05/07)
Faculty of Agricultural and Food Sciences 6082

Dr. Michael Freund (05/06)
Department of Chemistry 8772

STUDENTS Graduate Students' Association
Mr. Suresh Neethirajan (10/06)
Mr. Guillermo Bellido (10/06)

SECRETARY Mrs. Gail Cornock
Office of the Vice-President (Research) 7859

OBSERVER Ms Carolynne Presser
Director, Libraries 8749

Revised 07/05

End of term is shown in brackets for each Senate-appointed member

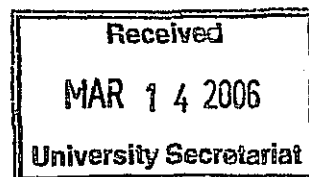
c.c. material to: J. Leclerc
A. Simms



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10 March 2006



Dr. Curtis Nordman
Acting Executive Director
Council on Post-Secondary Education
410 - 330 Portage Avenue
Winnipeg, Manitoba
R3C 0C4

Dear Dr. Nordman,

**Statement of Intent:
Aboriginal Design and Planning Baccalaureate Degree**

On behalf of The University of Manitoba, I am pleased to submit the attached Statement of Intent to establish a professionally-accredited baccalaureate degree in Aboriginal Design and Planning within the Faculty of Architecture.

The main objective of this new program is to provide skill sets for designers and planners to work in and with aboriginal communities needing professional competency in areas of land use planning, housing, community economic development, and associated activities. The program will focus on the development of these design and professional planning skills within a broad understanding of aboriginal community governance, society and cultural considerations. The Department of Native Studies in the Faculty of Arts will deliver about one-third of the course content of this program, and thus will be a key partner in this unique initiative.

This program will be attractive to aboriginal and non-aboriginal students from Manitoba and from elsewhere in Canada. Graduates are expected to find ready employment in the public and private sectors in Manitoba and throughout Canada. The aim is to admit about 15 students per year to this program.

The implementation of this new, innovative degree program would require additional financial support from COPSE, complete details of which will be addressed in the full program proposal.

My colleagues in Architecture and I would be pleased to provide any additional other information your Council may require during its consideration of this Statement of Intent.

Yours sincerely,

A handwritten signature in cursive script, appearing to read 'RALobdell'.

Richard A. Lobdell
Vice-Provost (Programs)

Encl.

cc Emőke J.E. Szathmáry, President
 Robert Kerr, Vice-President (Academic) and Provost
 David Witty, Dean, Faculty of Architecture
 Jeff Leclerc, University Secretary

STATEMENT OF INTENT

Institution

- | | |
|--|--|
| <input type="checkbox"/> Brandon University | <input type="checkbox"/> Assiniboine Community College |
| <input checked="" type="checkbox"/> University of Manitoba | <input type="checkbox"/> Keewatin Community College |
| <input type="checkbox"/> University of Winnipeg | <input type="checkbox"/> Red River Community College |
| <input type="checkbox"/> Collège Universitaire de Saint-Boniface | |

Program Overview

☐ Program Name: *Aboriginal Design and Planning Degree*

☐ Credential to be offered: *Accredited professional degree in planning*

☐ Does the program require accreditation from a licensing group? ☒ YES ☐ NO
If yes, name group: *Canadian Institute of Planners*

☐ Length of the program: 4 ☒ Years ☐ Months ☐ Semesters

☐ Proposed program start date: 01 / 09 / 08
Day/Month/Year

☐ Which department(s) within the institution will have responsibility for the program?
- Department of City Planning, Faculty of Architecture

☐ As compared to other programs your institution will be proposing, the priority of this program is:
☒ High
☐ Medium
☐ Low

☐ Is this a new program? ☒ YES ☐ NO

☐ Is this a revision of an existing program: ☐ YES ☒ NO
If YES, name program
What are the impacts of changing this program?

☐ Will the program be available to part-time students? ☒ YES ☐ NO

☐ Will this program have a cooperative education component? ☒ YES ☐ NO
If YES, how long with the field placement be? *Four months*

☐ Will the program contain an option to assess the prior learning of students, to grant credit for the skills/knowledge already present? ☐ YES ☒ NO
Provide Details

☐ Will there be distance delivery options? ☒ YES ☐ NO
Provide Details:
- several courses will be offered in a distance education format in the first two years of the program.

☐ Will this program be delivered jointly with another institution?
If YES, name the institution

☐ YES ☒ NO

☐ Are similar programs offered in Manitoba or other jurisdictions?
If YES, indicate why this program is needed (e.g., area of specialization)

☐ YES ☒ NO

☐ What articulation, block transfer or credit transfer arrangements will you be looking at developing for this program?

- The program will be developed and delivered in close consultation with the Department of Native Studies, University of Manitoba. Credit transfers could occur from courses offered by the Department of Native Studies, University of Manitoba, and other university native studies programs, on a case-by-case basis.

Specific Program Information

1. Program Description

☐ Describe the program and its objectives:

The program will be developed to serve the growing demand and need for design and planning in and with aboriginal communities. Graduates will be eligible for membership in the Canadian Institute of Planners, the national professional planning body. The program will be offered in close collaboration with the Department of Native Studies which will deliver nearly 1/3 of the course content.

Objectives:

- to provide skill sets for designers and planners to work in and with aboriginal communities where there is a demonstrated need for professional competency in areas of land use planning, housing, community economic development, and associated areas;*
- to develop culturally specific responses to aboriginal community design and planning issues;*
- to address aboriginal community identified needs for design and planning skill sets for their communities;*
- to achieve professional accreditation for the degree;*
- to complement federal and provincial commitments to aboriginal community development; and*
- to facilitate enhanced decision making in urban and rural aboriginal communities.*

☐ Provide an overview of the content to be taught in this program:

The program will have two key foci: understanding of aboriginal community governance, society and cultural considerations, and acquisition of design and professional planning skills. Course content will be oriented to those two primary areas. Approximately 60 percent of the courses are existing courses offered in the Environmental Design Program, Faculty of Architecture and the Department of Native Studies, Faculty of Arts.

Students will receive courses in native societies and political processes, spirituality, and aboriginal law, governance, economy and environment. Students will receive courses in theory of design and planning, research methods and design and planning studios. Field case studies will be incorporated into planning studios. Each will complete a senior design and planning project that will involve working with an urban or rural aboriginal community.

2. Enrollment

☐ What is the program's initial projected enrollment? *Intake is projected to be 15 students with overall student enrollment (assuming a retention rate of 80 percent) of 37 students in the three years of the degree program (i.e., Year 2, 3 and 4).*

☐ What is the projected enrollment for the 2nd and 3rd years? *12 and 10 respectively.*

☐ Describe the expected student profile?

Students will be either aboriginal or non-aboriginal. The former will likely be the majority of students. Aboriginal student numbers will be high because the program will be oriented to aboriginal community design and planning work. Of that student population, it is expected that 1/3 will be mature students who are returning to complete a degree in an area where there is a demonstrated community need (a needs assessment was completed in summer 2005).

The non-aboriginal students will be those who have a particular interest in working with aboriginal communities, particularly urban communities where aboriginal population growth is significant (e.g., currently 9% of Winnipeg's current population and increasing to 11% [for 80,000] by 2016) [source Statistics Manitoba].

Students are expected to come from across Canada to this unique program.

Based upon experience in our existing programs, the majority of students will likely be female.

3. Labour Market Information

☐ What labour market need is the program expected to meet?

Based upon current major federal and provincial government, and Crown Corporation initiatives, there is significant interest in and commitment to aboriginal communities in the form of social, physical and economic development. For instance, the Federal Department of Indian and Northern Affairs is undertaking major initiatives related to comprehensive community planning that require hiring of non-aboriginal consultants to complete the work. As a result, there are major employment opportunities in areas of aboriginal design and planning in urban and rural communities in Manitoba, and also across the country.

In Nunavut and the Northwest Territories, there are new government initiatives that require design and planning support. Currently, such work is being done largely by southern non-aboriginal consulting firms or by non-aboriginal planners who are working temporarily in the north.

☐ Are there currently jobs in Manitoba in this field?

☒ YES

☐ NO

If yes, where (geographic location and industry)?

- Winnipeg, Brandon, rural Manitoba (especially First Nations), remote Rural Municipalities with a high Metis population (e.g., Interlake), First Nation and remote northern community government offices with high aboriginal populations, and consulting firms. In addition, there is a high demand for similar communities and firms across western Canada, rural parts of Ontario and parts of the Maritimes.

☐ What is the future job forecast for individuals with this education/training/credential?

The future job forecast is high, especially planning degrees that are accredited. The aboriginal population remains one of the fastest growing and least served populations in Canada. It is also a population group that requires federal intervention through treaties and land settlement.

☐ How does this program fit with Manitoba's stated economic, social and other priorities?

Manitoba has recognised the importance of working with First Nation and Metis communities to address identified social, economic and physical development issues. The City of Winnipeg and the Province have identified the need to work more closely with the large (currently estimated at approximately 55,000 [source: Statistics Manitoba]) aboriginal population in Winnipeg. Many of the issues related to that population are issues of housing, development and employment.

☐ What agencies, groups, institutions will be consulted regarding development of the program?

To date, the Faculty has completed an aboriginal planning program proposal and needs assessment. The former involved students in 2001 who met with a number of individuals who work in or with aboriginal communities and groups. That report identified the potential for the development of an aboriginal planning program. Subsequently, in 2005, an aboriginal student was hired by the Dean's Office to complete a Needs Assessment for an undergraduate planning degree. In that study, 53 individuals, representing a cross section of aboriginal communities and organisations, were interviewed. Of that number, 70% were aboriginal, representing organizations and First Nation governments. All the respondents believed that a planning degree program oriented to aboriginal community issues and needs was both timely and important.

The Dean of the Faculty of Architecture has formed an Aboriginal Advisory Council. That Council is also supportive of the proposed aboriginal design and planning degree.

Future consultations will occur with the Aboriginal Advisory Council and members of the aboriginal community contacted in the Needs Assessment. In addition, the Canadian Institute of Planners and the Manitoba Professional Planners Institute will be consulted in relation to ensuring that accreditation standards are addressed.

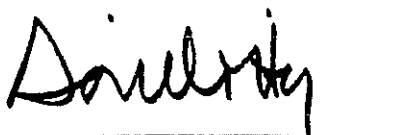
☐ Is there any other information relevant to this program?

4. Financial Information

Implementation of this new programme will require additional financial support from COPSE, details of which will be addressed in the full programme proposal.

Submitted by: _____

David R. Witty Ph.D, MRAIC, FCIP
Dean, Faculty of Architecture



Signature

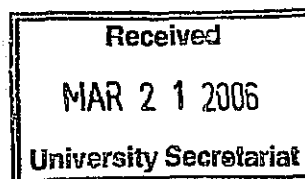
Date: March 5, 2006



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21 March 2006



TO: David Witty, Dean, Faculty of Architecture
FROM: Richard Lobdell, Vice-Provost (Programs) *RAL*
RE: Statement of Intent: Aboriginal Design and Planning

We have received notice that the Council on Post-Secondary Education has approved our Statement of Intent to establish a baccalaureate degree in Aboriginal Design and Planning and has authorized the development of a full program proposal. I realize, of course, that you are already working on this proposal, which will be submitted to Senate for consideration.

Congratulations to you and your colleagues who have worked so hard on this initiative.

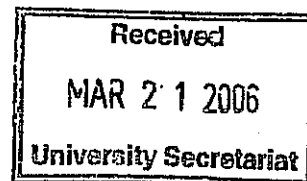
cc: Emőke J.E. Szathmáry, President
Robert Kerr, Vice-President (Academic) and Provost
Jeff Leclerc, University Secretary



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21 March 2006



TO: Jay Doering, Dean, Faculty of Graduate Studies
Celia Rabinovitch, Director, School of Art

FROM: Richard Lobdell, Vice-Provost (Programs) *RL*

RE: Statement of Intent: Master of Fine Arts

We have received notice that the Council on Post-Secondary Education has approved our Statement of Intent to establish a Master of Fine Arts program and has authorized the development of a full program proposal. I realize, of course, that you are already working on this proposal, which will be submitted to Senate for consideration.

Congratulations to you and your colleagues who have worked so hard on this initiative.

cc: Emőke J.E. Szathmáry, President
Robert Kerr, Vice-President (Academic) and Provost
Jeff Leclerc, University Secretary

May 3, 2006

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 Mary Brabston will be the Speaker for the Executive Committee for the May meeting of Senate.

2. Appointment of the Chair of the Senate Committee on Appeals

Professor Janet Hoskin's term as Chair of the Senate Committee on Appeals ends on May 31, 2006. Senate Executive has elected Professor Archie McNicol for the term ending May 31, 2009.

The Senate Executive would like to acknowledge and thank Professor Hoskins for her commitment to the Senate Committee on Appeals. She has served as the chair for over 15 years.

3. Comments of the Executive Committee of Senate

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

Respectfully submitted,

Dr. Emőke Szathmáry, Chair
Senate Executive Committee

Terms of Reference: *Senate Handbook* (Revised 1992), Section 7.2.

/nis

Report of the Senate Executive Committee on the concerns raised at the April 5, 2006 Senate surrounding the Limited Access Policy

Preamble

1. The terms of reference for the Senate Executive Committee are found in the Senate Handbook Section 7.2.
2. At its meeting on May 3, 2006, Senate Executive received a memo from the University Secretary regarding an issue raised at the April 5, 2006 Senate Meeting. The memo referred to a memo from the Registrar which discussed university policy on repeated courses (Limited Access Policy). The concern raised by a Senator was that the memo appeared to contravene the authority of Senate. The Senate Executive Committee was asked to investigate and report back to Senate.

Observations

1. The Limited Access Policy was applied to all courses as of 1993, though faculties were permitted to opt out of the policy. Limited access prevents students who have previously registered in a course from registering in the course again until students who had yet to take the course had an opportunity to register.
2. Limited Access was not supported by the baseline Banner student information system. However, with considerable manual effort, a process to support the policy was developed. Voluntary withdrawals would be considered a "grade", but without grade point value. This "grade" of VW was thought to not effect grade point average calculations. The "grade" of VW would have also be included as a repeated course and therefore, students trying to register for the same course would be blocked. An override for students who do have permission to register would be provided in mid-August each year.
3. At the December 7, 2005 Senate meeting, Policy 1303 Voluntary Withdrawal was amended, effective for the beginning of Summer Session 2006. The revision relevant to the limited access policy states: "5. A Limited Access Policy restricting registration for students who have withdrawn from or previously completed a course shall be determined by the faculty of school offering the course."
4. In February 2006, the Aurora implementation team found that including a VW "grade" would impact a student's grade point average (GPA). This was due to the Grade Point Average Policy that involved in the case of a repeated course counting only the grade received in the last attempt in the GPA. If a student was re-taking a course and withdrew from the course, the VW would remove the previous grade, thus affecting the GPA. For example, if a student had completed a course with a grade of 'B' and re-registered the course and voluntarily withdrew, the grade of 'B' would no longer be included in the GPA, as it was not the last attempt.
5. Between February and March of 2006, attempts were made by the Aurora Implementation Team and the vendor to correct the problem, but a solution was not possible. At the end of March, due to the urgent need to inform students of Aurora changes before they left campus for the summer, discussion took place between the

May 3, 2006

Registrar and the Provost's Office. It was determined that to lessen the impact on students, there was a need to suspend the Limited Access Policy. The impact on students was that there was the potential for their GPA to be negatively affected. A summary of the issue, prepared by the Registrar is appended to this report.

6. The Provost's Office, when faced with the error in the system, realized a quick decision was required. The Provost recognized that acting in a moment of exigency, his office may have inadvertently overstepped its authority and so apologizes to Senate. The Vice Provost (Programs) noted that while the decision needed to be taken, he regrets that Senate's approval was not sought.
7. It is hoped that in working with the system vendor a solution to the Limited Access problem might be developed in future. In the meantime it is not possible to administer the policy in an effective or equitable manner.
8. In order to support the Limited Access Policy equitably and effectively, a suspension of the policy must take place. Suspension of the policy would impact students, by allowing them to register for courses, regardless of whether or not they had previously registered for that course. However, as registration is based on GPA, with those students having higher GPAs registering first, students who have generally not done well will register later in the registration period.
9. The Senate Executive Committee, after discussing the matter feels that a temporary suspension of the Limited Access Policy is warranted, as it will ensure that students GPAs are not adversely affected, and will provide time for the Registrar's Office to pursue a solution with the vendor. The Senate Executive Committee feels that the Registrar should be in a position to report to Senate in December, 2006 on whether or not a solution is possible and provide further recommendations at that time.

Recommendations

1. That Senate suspended the limited access policy, which states " Limited Access Policy restricting registration for students who have withdrawn from or previously completed a course shall be determined by the faculty of school offering the course.", as was previously approved by Senate on December 7, 2005.
2. That Senate reconsiders this policy at the December, 2006 meeting of Senate, when the Registrar will provide a further report on possible solutions and recommendations

Respectfully submitted,

Dr. E.J.E. Szathmáry, Chair
Senate Executive Committee

/nis

Issues with respect to the application of the Limited Access Policy:

- o Limited Access is a policy that establishes a registration priority for students who are either repeating a course taken within the last 12 months, or are re-registering in a course that they withdrew from during this period. Students who are subject to Limited Access must wait until mid-August before being permitted to attempt registration in affected courses.
- o This policy was applied to all courses as of 1993 through a modification of the Senate Policy on Voluntary Withdrawal. Faculties were permitted to opt out of this policy.
- o Limited Access is not supported by the baseline Banner SIS. The Aurora implementation team developed a process to support this policy that required more manual effort, but was equitable and effective.
- o This plan involved applying a VW as a 'grade', without grade point value. It was understood that this 'grade' of VW would not effect grade point average calculations. Courses with this 'grade' were to be included as repeated courses. The Aurora Student system was to be set up to block all repeats, including re-registration in courses that had been VW'd. Faculty advisors would then provide a 'repeat' override depending on whether the student was subject to Limited Access. For students to whom Limited Access applied, the override would be provided in mid-August.
- o In December 2005, the Voluntary Withdrawal Policy was modified. As part of this modification, it was approved that Limited Access would be applied only to selected courses within a faculty, rather than to all faculty courses.
- o In February 2006, the implementation team discovered that by counting VW'd courses as 'repeats', there was an unexpected effect on gpa calculations. This was due to the establishment of the grade point average policy that involved counting only the last grade in the case of repeated courses. The team discovered that if a student registered in a course again following a graded attempt and then withdrew, the VW 'grade' would remove the initial grade from the gpa calculation.
- o This was an undesirable effect on grade point averages. The team worked with the vendor consultants to explore and attempt to solve this problem. In mid-March the vendor and the implementation team reached the conclusion that a solution was not possible.
- o Coincident with the April release of the 2006-2007 Calendar & Registration Guide there was an urgent need to communicate with students and faculty staff about the major changes they should expect to see in the Aurora Student system.
- o As no viable contingency could be developed, it was necessary to suspend the application of the Limited Access policy. This was determined by the Provost and the Registrar and information was sent to the faculties and students.
- o As Limited Access is a policy that effects students across academic sessions, the words 'no longer in effect' were used in order to provide students with a reasonable expectation about the consequences of withdrawal and the need to repeat courses in the coming academic session.
- o If a suitable solution is found to support the Limited Access policy equitably and effectively, students must receive fair warning about its re-implementation. Further review of the application of this policy will take place in the Fall of 2006.

1 March 2006

Proposal for an Undergraduate Curriculum in

Interdisciplinary Health

Proposed by the

Faculties of Arts, Science and Human Ecology**Table of Contents**

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

Scope

The proposed curriculum offers two separate, four year, 120 credit hour degree programs:

- Bachelor of Health Sciences - B.H.Sc.
- Bachelor of Health Studies - B.H.St.

After an initial 30 credit hours in University 1, these programs share courses so that the Health Sciences students include social science courses in their programs, and the Health Studies students include science courses in their programs. The intent of these programs is to create a broad, comprehensive understanding among people working in health-related settings of the factors that affect health, the needs of clients and the delivery of health services.

Both programs offer a general course of studies; graduates will not achieve any professional status as a consequence of these degrees. Both programs can provide a foundation for students who wish to enter professional programs and also offer another route for students to gain access to specialized programs for both health and social science fields. Those who complete either of the degrees could work in a large variety of agencies and businesses that plan or deliver health related service and products. The two programs can serve as the foundation for careers in health care teams and community health management.

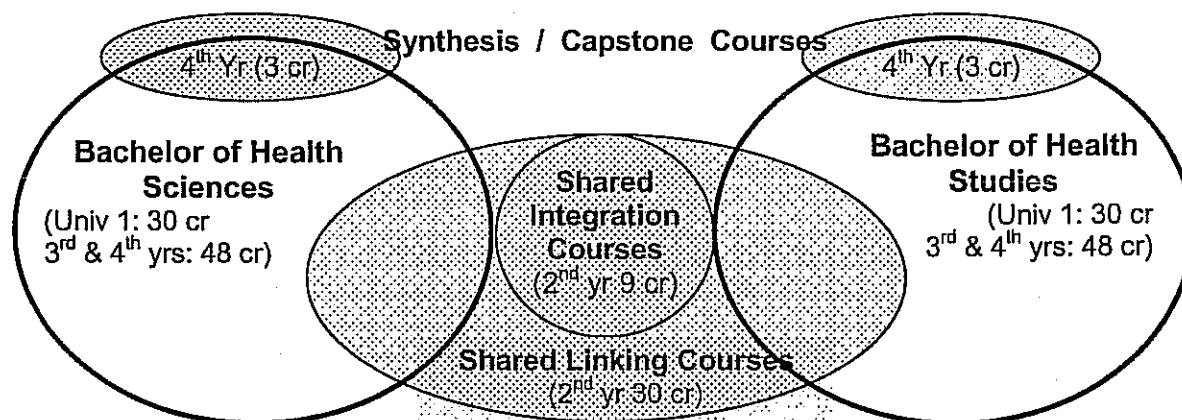
Unique contribution

The curriculum of each program integrates science concepts, such as biology and metabolism, with social science concepts, such as sociology and economics (see Figure 1). The integration will be achieved in two ways:

1. Combining the arts and science courses that address health issues in the same curriculum
2. Creating new course content that combines applications of biological and social sciences

The integration supports the promotion of health, which is the guiding principle of the Faculty of Human Ecology, by creating a new understanding among graduates of the determinants of health and how these determinants influence the health of individuals, families, and communities, as well as health services. Both degrees combine knowledge from science and social science disciplines in their content and learning experiences. To this point, this ecological approach to promoting health has not been evident in the preparation of students who enter traditional programs for health professionals.

Figure 1 Structure of Interdisciplinary Health Programs



Background

The initial concepts for an Interdisciplinary Health curriculum were discussed in 2003 by the Health Curriculum Advisory Committee to the Vice-President Academic and Provost. At that time a single degree program was envisioned that would have arts and science content for education to improve knowledge about health and delivery of health services.

Following meetings with stakeholders, it was recognized that adequately integrated content leading to a variety of opportunities for students could not be delivered in a single 4-year degree. The Faculty of Human Ecology consulted with the Faculty of Science and the Faculty of Arts and it was proposed to offer two separate B.H.St. and B.H.Sc. degree programs that were closely linked in content. Each degree program would provide an education with a unique perspective about health, but each program could lead to defined types of employment opportunities in health services or other health-related areas.

The proposed Interdisciplinary Health curriculum is the outcome of discussions among representatives of a large number of faculties and schools. This consultation was done because the interdisciplinary nature of the two programs requires that students be able to access courses from a large number of faculties. The units consulted include:

- Faculty of Human Ecology
- Faculty of Science
- Faculty of Arts
- Faculty of Medicine
 - Department of Community Health Sciences
 - School of Medical Rehabilitation
- Faculty of Pharmacy
- Faculty of Nursing
- Faculty of Social Work
- Clayton H. Riddell Faculty of Environment, Earth, and Resources
- Faculty of Physical Education and Recreation Studies
- University I
- Faculty of Agricultural and Food Sciences
- Faculty of Architecture
- Asper School of Business
- Faculty of Dentistry
- Aboriginal Access Programs
- Bev-Ann Murray, Assistant Deputy Minister, Manitoba Health
- Leanne Matthes, Policy Analyst, Workforce Policy and Planning, Manitoba Health
- Randy Lock, Executive Director, Regional Health Authorities of Manitoba
- Manitoba Centre for Health Policy

Core aspects

The curriculum adopts the World Health Organization (WHO) definition of health: *A state of complete physical, mental and social well-being and not merely the absence of disease or infirmity.*¹

The areas of application of these concepts relate to the four pillars of health research defined by the Canadian Institutes of Health Research.² The essential elements underlying the curriculum are the 12 determinants of health as defined by Health Canada³

The pedagogic principle of integrating social and biological concepts for new ways of delivering health services guides the education of graduates to work in the health services sector. This principle leads to a comprehensive approach in the education, which is consistent with health promotion and the interdisciplinary approaches in the Faculty of Human Ecology in fostering healthy social and physical environments for people.

In this context, the curriculum will:

1. Create new interdisciplinary experiences for undergraduate students.
2. Meet the institutional priorities of the University of Manitoba.
3. Promote new approaches to planning and delivering health-related services.
4. Increase access to professional health knowledge and programs.

The linking and integration courses are built around two additional concepts:

- Experience of health at individual, community and institutional levels
- Health across the lifespan

Twelve Determinants of Health

(Health Canada and Public Health Agency of Canada)

1. Income and social status
2. Social support networks
3. Education
4. Employment and working conditions
5. Social environments
6. Physical environments
7. Biology and genetic endowment
8. Personal health practices and coping skills
9. Healthy child development
10. Health services
11. Gender
12. Culture

The four pillars of Health Research

(CIHR 2001)

1. Biomedical
2. Clinical
3. Health systems and services
4. Population and public health

¹ <http://www.who.int/about/definition/en/>

² <http://www.cihr-irsc.gc.ca/e/24418.html#2>

³ <http://www.phac-aspc.gc.ca/ph-sp/phdd/determinants/#determinants>

Relevance

This approach of integrating science and social science is consistent with the current focus in health delivery and health research on knowledge translation. A component of knowledge translation is to develop means whereby consumers, clinicians, researchers and policy makers can exchange information in language that is understandable to all parties.

The Public Health Agency of Canada endorses a population health approach and by so doing acknowledges that health issues must be dealt with in a broad and comprehensive manner, encompassing a spectrum from the individual organism to populations and environment⁴. Likewise the Canadian Institutes of Health Research (CIHR) emphasize that research be problem-based, multidisciplinary and integrated across its four pillars – biomedical, clinical, health systems and services, and population and public health.

Similar Programs in Canada

The unique feature of the proposed programs is the opportunity for students to integrate knowledge from the science and social science fields through coursework, in effect to promote a “common language” for students in different knowledge domains. Comparing the descriptions of similar programs in Canada with the two proposed here, shows that this feature gives the proposed programs a distinctly different orientation.

Programs similar to the ones proposed are currently offered at:

- Athabasca University – Bachelor of Science (Human Science)
- Brock University – Bachelor of Arts Honours (Child Health), Bachelor of Arts Honours (Community Health Sciences)
- University of Calgary – Bachelor of Health Sciences Honours with majors in Biomedical Sciences, Bioinformatics, Health and Society
- McMaster University – Bachelor of Health Sciences, Bachelor of Arts (Health Studies)
- Queen’s University – Bachelor of Arts (Health Studies), Bachelor of Science, General Concentration in Life Sciences, Honours in Life Sciences
- University of Ottawa – Bachelor of Health Sciences Honours
- University of Toronto – Bachelor of Arts or Bachelor of Science (Health Studies)
- University of Western Ontario – Bachelor of Health Sciences, Honours Specializations in Health Sciences, Health Information Management, Rural Health, Health Promotion, Health Sciences with Biology
- University of Waterloo – Bachelor of Science Honours, specializations in Health Promotion, Health Administration, Environmental Health, Biomedical
- York University – Bachelor of Health Studies, specialization in Health Policy, Health Management, Health Informatics

(See Table 1, page 40, for more information)

⁴ <http://www.phac-aspc.gc.ca/ph-sp/phdd/whatsnew.html>

Program structures

Differentiation of the B.H.St. and B.H.Sc. programs is achieved with:

- The 30 credit hours in University 1
- The program capstone course unique to each program
- Groups of electives to focus the respective program

Integration of the B.H.St. and B.H.Sc. programs is achieved with:

- The linking courses (30 credit hours) that are fundamental to interdisciplinary health
- The three integration courses (9 credit hours) that offer case studies with which to explore the synthesis of the biological and social sciences
- The choice of electives that allows mixing of science and social science courses

The relationships among the types of courses in the program are shown in Figure 2.

Approved electives

Structure of elective course list

(See Electives: List of Approved Courses, page 15)

The science⁵ and social science⁶ contents of the respective programs, in years 2, 3 and 4, are determined by the 36 credit hours from the List of Approved Courses. The list of approved courses is structured in three ways:

1. By science or social science content for the Interdisciplinary Health program [the IHPC will determine which courses have science or social science content for the two IH programs]
2. By relevance to health [see lists A, B and C, where list A has the highest relevance]
3. By year of the program [1st, 2nd, 3rd or 4th year]

Some courses in the list of approved electives may overlap in content, such as anatomy. The Interdisciplinary Health Program Committee will identify the pairs or groups of approved electives that have similar content and stipulate that only one course of the pair or the group can be held for degree credit.

⁵ "Biology is the science of life (from the Greek words *bios* = life and *logos* = reasoned account). It is concerned with the characteristics and behaviors of organisms, how species and individuals come into existence, and the interactions they have with each other and with their environment. Biology encompasses a broad spectrum of academic fields that are often viewed as independent disciplines. Together, they study life over a wide range of scales." Wikipedia, http://en.wikipedia.org/wiki/Biological_sciences

⁶ "The scientific study of the structure and functions of society; any discipline that attempts to study human society, either in the whole or in part, in a systematic way." Oxford English Dictionary, <http://dictionary.oed.com>

Required program structure

Students in both programs are required to structure their course selections as follows:

- a) For the B.H.Sc.: students are required to take 21 credit hours of science and 12 credit hours of social science courses from 36 credit hours of Approved Electives.
- b) For the B.H.St.: students are required to take 21 credit hours of social science and 12 credit hours of science courses from 36 credit hours of Approved Electives.
- c) Students in both programs are required to take at least 24 credit hours at the 300 and 400 levels from 36 credit hours of Approved Electives. This requirement ensures that all students take 35% or more of the 120 credit hours in either program at the 300 or 400 level.
- d) Students in both programs are required to take at least 21 credit hours from List A, at most 6 credit hours from List B and at most 3 credit hours from List C from 36 credit hours of Approved Electives.

Students should consult the University Calendar to ensure that they have the appropriate pre- or co-requisites before they attempt to register in a course. A number of courses are cross-listed between departments/faculties. The student advisor will give additional guidance.

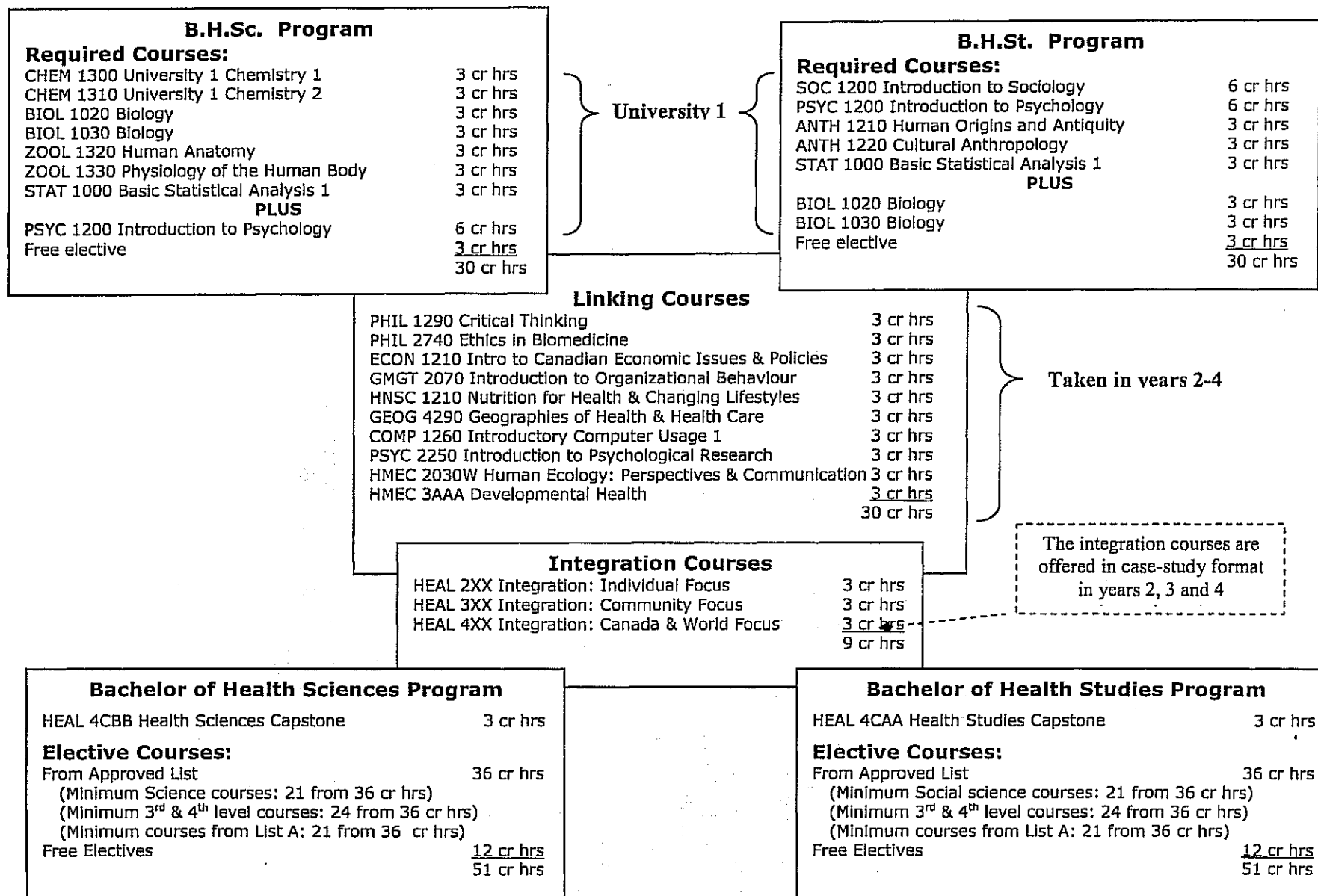
Student selected structure

In addition, there are two ways in which the students can structure their own programs:

1. Students can select one of several areas of focus using the courses from the Approved List, as well as the 12 credit hours of free electives. Courses for each area of focus will be recommended by the Faculty offering the courses. In many cases students may choose to complete existing minors offered by faculties, such as the Family Social Sciences Minor or the Minor in Human Nutrition and Metabolism. The recommended courses may change as new initiatives and resources become available.
Examples of areas of focus could include:
 - Environment
 - Mathematical Modeling
 - Native Studies
 - Pharmacology
2. Students can include a 6 credit hour practicum experience of different types of health related employment. Students can enroll in the Human Ecology Practicum course in which a new section will be created for the IHP students. Both students and employers benefit from these practicum opportunities. Examples of placements include:
 - Health care administration
 - Community planning initiatives
 - Community education activities

Figure 2

STRUCTURE OF THE CURRICULUM FOR INTERDISCIPLINARY HEALTH



Number of students

Expected enrolment

The expected enrolment in the first year in which the programs are offered is 20 students in each program, B.H.Sc. and B.H.St. The second year, the enrolment is expected to increase to 30 students in each program. On average 40 students are expected to enroll each year in each program in subsequent years.

Market

Graduates from both the B.H.St. and the B.H.Sc. can be employed in a broad range of opportunities, such as:

- Social policy assistants – develop programs based on demographic, social and economic analyses
- Health policy assistants – assist in research on health care policies
- Health program officers – produce reports on health care programs
- Community and social service workers – advise consumers on health issues and products
- Community health administration – assist professionals and planners
- Resource for Aboriginal communities – assist professionals and planners

It is estimated that approximately 40 graduates per year will be able to obtain work in these and related types of work in Manitoba. Their work would also relate to strengthening the capacity of institutions in which they work to address local health problems in an inclusive manner. Their work could foster client-centered and new models of service delivery.

The market for this type of work is considerable in many health care settings, including rural and Aboriginal communities, for example in relation to the preventive health needs related to obesity and diabetes. The market will expand because new types of services are needed to deal with obesity and diabetes. It is expected that Government initiatives will increase employment opportunities in these areas.

Regional Health Authorities (RHAs) can employ a number of B.H.Sc. or B.H.St. graduates. An important focus area for work in RHAs is data literacy and building expertise in statistical modeling for planning services. The focus for future work is evidence-based planning of health-related services. After an initial intake of approximately 20 graduates in different RHAs from the first three or four graduating classes, the annual market would be a smaller number of graduates.

Approximately 50% of students in both programs are expected to enter professional programs, either during the four years of study or on completion of the degree. Students will be able to select courses required to apply for entry into Dental Hygiene, Dentistry, Human Ecology, Pharmacy, Physical Education and Recreation Studies, Nursing, Social Work, and other faculties. Students will also be able to choose courses required to apply to programs in Medicine or Medical Rehabilitation after they complete either degree. Students who plan to transfer will be able to check for the required courses with the respective faculties, as well as receive packages of information about recommended courses from the Interdisciplinary Health student adviser.

Governance

Partnerships

The two programs are offered in a partnership between the Faculties of Science, Arts and Human Ecology, because:

- The Faculty of Science offers the majority of courses for the B.H.Sc. program
- The Faculty of Arts offers the majority of courses for the B.H.St. program
- The Faculty of Human Ecology offers several programs that are interdisciplinary in nature. The Faculty of Human Ecology is oriented to promoting health, as distinct from the treatment of ill health. The Faculty uses the World Health Organization (WHO) definition of health as the framework for planning and activities. The Faculty uses the Ottawa Charter definition of health promotion: *The process of enabling people to increase control over, and to improve, their health (Ottawa Charter for Health Promotion, 1986⁷)*.

The partnership means that:

- Representatives of the three faculties can influence the orientation and content of the two programs through their participation in the program committee that governs academic aspects.
- Each faculty can include one-third of the combined enrolment in the B.H.St. and the B.H.Sc. programs in their enrolment statistics.
- The three faculties each have a vested interest in, and rely upon one another for, the success of the program and the students and graduates.

Academic content and quality

The Interdisciplinary Health Program Committee (IHPC) will be responsible for bringing recommendations on the academic content of both programs to the Human Ecology Faculty Council. The IHPC will deal with program orientation, course changes and entrance requirements and all program changes will be approved by the IHPC before submission to the Human Ecology Faculty Council and Senate. (See Figure 3 on page 12).

The IHPC will have permanent members from the three partner faculties and members from other faculties and schools who may serve for two or three year periods. Other bodies may be represented, such as the Health Sciences Council. The draft Terms of Reference of the IHPC are expected to include:

A. Membership

- (a) Chair of the IHPC (Dean, Faculty of Human Ecology)
- (b) Dean, Faculty of Arts
- (c) Dean, Faculty of Science
- (d) Dean's designate, Faculty of Human Ecology
- (e) Two representatives from each of the three partner faculties, chosen using procedures internal to the respective faculty, from among full-time professors, associate professors, assistant professors, lecturers, instructors I and II and senior instructors holding academic rank in the respective faculty
- (f) Three representatives identified by faculties or schools participating in the Interdisciplinary Health Curriculum from among their full-time professors, associate professors, assistant professors, lecturers, instructors I and II and senior instructors holding academic rank

⁷ http://www.who.int/hpr/NPH/docs/ottawa_charter_hp.pdf

- (g) A minimum of two students one from each of the two programs of the Interdisciplinary Health Curriculum
- (h) Such others as may be authorized by the Chair of the IHPC, including Student Advisers and staff helping students with their programs.

B. Powers to Act:

- (a) To provide for the regulation and conduct of its meetings and proceedings
- (b) To appoint such committees as it may deem necessary and to confer on them the power and authority to act for it with respect to such matters as it may deem expedient

C. Powers to Recommend:

The Interdisciplinary Health Program Committee shall have the power to make such recommendations as it deems advisable to the appropriate person or bodies and may make recommendations concerning:

- (a) The administration of the rules and regulations of the Senate as they affect the students registered in the Interdisciplinary Health Curriculum.
- (b) The preparation and publication of Interdisciplinary Health Curriculum timetables.
- (c) The conditions of entrance to the Interdisciplinary Health Curriculum and the standing to be allowed students entering the Interdisciplinary Health Curriculum and all matters relating thereto.
- (d) The conditions on which candidates shall be received for examination and the conduct and results of examinations in the Interdisciplinary Health Curriculum.
- (e) The degrees to be granted by the University pertaining to courses of study in the Interdisciplinary Health Curriculum, and the persons to whom they shall be granted and the course of study required for the degrees.

Admissions

Following University 1, all students in the B.H.Sc. and B.H.St. go through one admissions process and enter the Faculty of Human Ecology. The entrance criteria include:

1. The 30 credit hours of courses listed under each program heading in the Structure of the Curriculum on page 8, which includes: a) fifteen (15) credit hours from University 1 specific to each program, b) six (6) specified credit hours of from Arts, c) six (6) credit hours from Science 3 of which are specified, d) three (3) free electives.
2. Within the 30 credit hours, the students requires a minimum grade point average of 2.0 in at least 24 credit hours of University 1 courses

In the role of student adviser for the IHPC, the Faculty of Human Ecology Student Adviser will deliver services to students in the same way as is done for Human Ecology programs. Student advising offices will be located in the Faculty of Human Ecology.

Administration

The Interdisciplinary Health Management Committee (IHMC) will manage resources, student standing in both the B.H.St. and the B.H.Sc. programs, and communications with the Office of the Vice-President (Academic) and Provost. The IHMC draft Terms of Reference include:

A. Membership:

- (a) Chair of the IHMC (Dean, Faculty of Human Ecology)
- (b) Dean, Faculty of Arts
- (c) Dean, Faculty of Science
- (d) Dean's designate, Faculty of Human Ecology

- (e) Such others as may be authorized by the Chair of the IHMC, including Student Advisers and staff helping students with their programs.

B. Powers to Act:

- (a) To provide for the regulation and conduct of its meetings and proceedings
- (b) To appoint such committees as it may deem necessary and to confer on them the power and authority to act for it with respect to such matters as it may deem expedient
- (c) To consider and determine appeals by students from a decision of a member of the academic staff teaching in the Interdisciplinary Health Curriculum

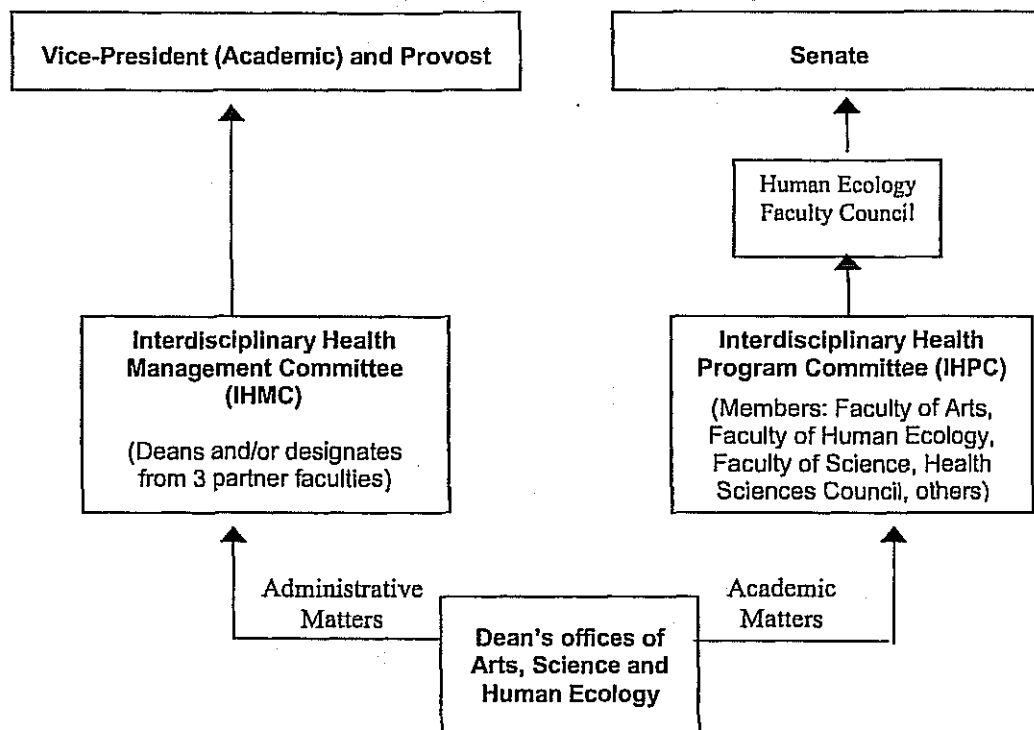
C. Powers to Recommend:

The Interdisciplinary Health Management Committee shall have the power to make such recommendations as it deems advisable to the appropriate person or bodies and may make recommendations concerning:

- (a) The regulations, methods, and limits of instruction in the Interdisciplinary Health Curriculum
- (b) The acquisition and use of facilities within the Interdisciplinary Health Curriculum
- (c) The requirements for lecture rooms and other facilities
- (d) The requirements for staff time and teaching resources
- (e) The discipline of students registered in the Interdisciplinary Health Curriculum
- (f) The academic standing of all undergraduates in the Interdisciplinary Health Curriculum
- (g) To recommend on regulations with respect to the attendance, conduct and progress of students who are registered in the Interdisciplinary Health Curriculum
- (h) To consider and determine appeals by students from a decision of a member of the academic staff teaching in the Interdisciplinary Health Curriculum

In the role of chair of the IHMC, the Dean's Office of the Faculty of Human Ecology will carry out day-to-day administration of the programs, including admissions, student advising, student appeals and related aspects for all students in both the B.H.St. and B.H.Sc. programs. Figure 3 shows the relationships between academic and administrative functions.

Figure 3. Governance of the Undergraduate Curriculum in Interdisciplinary Health



Resources

New resources required

New resources are needed to deliver five new courses, provide administrative support, and deliver linking, laboratory and other courses where physical resources or staff time limit enrolment (See Table 1). These resources include laboratory spaces for students, which need to be sufficient for the 80 students in both programs. Students in both programs will have access to courses in any faculty, including Arts and Science, in the same way as all other students in the University.

Table 1. New resources required for implementing both programs	
Need	Resource required
3 Integration courses and 2 Capstone courses require time from several different teaching staff to deliver a variety of course contents	The salary cost equivalent to a full-time assistant professor (approx. \$60,000)
Administrative assistance is needed to support the work of the IHPC and tracking program delivery	The salary cost equivalent to 0.5 of a full-time Administrative Assistant (approx. \$20,000)
Student Advising requires additional support to deal with the large number of possible program foci of students	The salary cost equivalent to 0.5 of a full-time Administrative Assistant (approx. \$20,000)
Library holdings for existing programs meet almost all of the needs, but small number of additions need to be purchased	The initial purchase of library materials will cost \$2,500, with an annual cost of \$ 500 (See attached letter)
Delivery of courses with limited enrolment	The IHMC will prepare an estimate as part of the budget planning process for all programs in the University

Course delivery

The delivery will be administered by the Faculty of Human Ecology. Instructors for all courses except the integration and capstone courses will be identified by the faculties who offer the courses. Faculties receive payments based on the Undergraduate Student Credit Hours (UGSCH) they deliver. These costs are not included in the Table 1 because they are covered by student fees.

The funds listed in the first line of Table 1, which represent the equivalent of an assistant professor salary, will be used to deliver the five new courses. No single staff member will be hired because it is unlikely that one person will have the required knowledge in all areas of specialization represented in the learning experiences. It is very likely that a number of staff members from different faculties will teach or term-teach these courses because several academic staff have already expressed strong interest in teaching these courses.

The funds listed in the first line of Table 1 will be distributed to the faculties whose staff members participate in the teaching. The funds will be used to cover stipends, grader/marker costs and sessional assistance.

Library resources

The majority of library resources that are required to support both programs are in place. A small addition of material is needed. As indicated in the attached report of the Director of Libraries, an initial expenditure of \$2,500, with an annual expenditure of \$ 500, is required.

Student advising

The Faculty of Human Ecology student advisor's office will provide students with information on the combinations of elective courses that can create a focus in the student's program. The Student Adviser will work with Department Heads and Program Chairs, responsible for linking or approved elective courses, to identify the most appropriate course combinations.

The Student Adviser will also provide a package of information on the courses required for entry into each professional program. Each package will include all required courses, their pre-requisites, as well as recommended courses for the respective program. The Student Adviser will work with the advising offices of the each of the professional faculties to create the appropriate package of information.

The advising will be complex because students will have different options for employment and eligibility to enter into a variety of professional programs. For example, eligibility to enter into the Doctor of Medicine program includes recommended courses such as two introductory courses in physics and an introductory biology course. These and other recommended choices will be listed for students.

Eligibility to enter into professional faculties, such as Medicine or Dentistry, may pose a difficulty for the students in the B.H.St. program. The student adviser will recommend packages of courses to minimize the number of credits these students may have to take beyond the program total 120 credits for access into professional programs.

Electives: List of Approved Courses

LIST A (high relevance)

FACULTY	DEPARTMENT	DEPT CODE	COURSE #	COURSE TITLE	CR EDI T HO URS	LE VE L	G R O U P	PREREQUISITES	NOT TO BE HELD WITH
LEVEL 100 - GROUP A (high relevance)									
Courses with SCIENCE orientation									
Dentistry	Dental Hygiene	HYGN	1340	Communications	2	1	A		
Science	Biology	BIOL	1000	Biology: Foundations of Life	3	1	A		BIOL 1250, 2010 or 1230
Science	Biology	BIOL	1110	Health and Health Professions	3	1	A		
Science	Biology	BIOL	1020	Biology	3	1	A		BIOL 1000, 1010, or the former BIOL 1250, 1230 and 2010
Science	Biology	BIOL	1030	Biology	3	1	A		BIOL 1000, 1010, or the former BIOL 1250, 1230 and 2010
Science	Chemistry	CHEM	1300	University 1 Chemistry: Structure and Modelling in Chemistry	3	1	A	Chemistry 40S and Math 40S	The former CHEM 1230 or the former 1270
Science	Chemistry	CHEM	1310	University 1 Chemistry: An Introduction to Physical Chemistry	3	1	A	C or better in CHEM 1300 or 1270	The former CHEM 1240, 1230 and 1280
Science	Chemistry	CHEM	1320	University 1 Chemistry: An Introduction to Organic Chemistry	3	1	A	C or better in CHEM 1300 or 1270	
Science	Computer Science	COMP	1260	Introductory Computer Usage 1	3	1	A		Not to be taken within the Computer Science Honours or Major Program
Science	Computer Science	COMP	1270	Introductory Computer Usage 2	3	1	A	COMP 1260 or consent of department	
Science	Mathematics	MATH	1300M	Vector Geometry and Linear Algebra	3	1	A	Minimum grade of 60% in Pre-calculus Math 40S or C or better in either MATH 1000 or the Mathematical Skills course (Continuing Education Div)	
Science	Mathematics	MATH	1500M	Introduction to Calculus	3	1	A	Minimum grade of 60% in Pre-calculus Mathematics 40S or a grade of C or better in either MATH 1000 or the Mathematical Skills course taught by the Continuing Education Division	
Science	Microbiology	MBIO	1220	Essentials of Microbiology	3	1	A		MBIO 3010
Science	Physics	PHYS	1020	General Physics 1	3	1	A	Physics 40S and Math 40S	PHYS 1050, 1410, or 1420
Science	Physics	PHYS	1030	General Physics 2	3	1	A	Physics 40S and Math 40S	PHYS 1410 or 1420
Science	Statistics	STAT	1000	Basic Statistical Analysis 1	3	1	A		
Science	Zoology	ZOOL	1320	Anatomy of the Human Body	3	1	A		The former ZOOL 1230
Science	Zoology	ZOOL	1330	Physiology of the Human Body	3	1	A	ZOOL 1320 or C or better in BIOL 1030	The former ZOOL 1230
Medicine	Human Anatomy and Cell Science	ANAT	1030	Human Anatomy	3	1	A	Service Course for Pharmacy students	
Pharmacy	Pharmacy	PHRM	1000	Introduction to Pharmacy	3	1	A		

LEVEL 100 - GROUP A (high relevance)**Courses with SOCIAL SCIENCE orientation**

Arts	Economics	ECON	1210	Introduction to Canadian Economic Issues and Policies	3	1	A		ECON 1200
Arts	Economics	ECON	1220	Introduction to Global and Environmental Economic Issues and Policies	3	1	A		ECON 1200
1200	Psychology	PSYC	1200	Introduction to Psychology	6	1	A		PSYC 1211, PSYC 1221
Arts	Religion	RLGN	1410	Death and Concepts of the Future	3	1	A		RLGN 2470
Arts	Religion	RLGN	1430	Food: Religious Concepts and Practices	3	1	A	RLGN 1430 and the former RLGN 1310.	
Arts	Sociology	SOC	1200	Introduction to Sociology	6	1	A		SOC 1211 or SOC 1221
Arts	Philosophy	PHIL	1290	Critical Thinking	3	1	A	None	PHIL 1320
Arts	Women's Studies	WOMN	1540	Introduction to Women's Studies in the Social Sciences	3	1	A		
Environment	Geography	GEOG	1280	Introduction to Human Geography	3	1	A		GEOG 1200, the former GEOG 1240 and GEOG 1250, and the former GEOG 1270
Human Ecology	Human Nutritional Sciences	HNSC	1200	Food: Facts and Fallacies	3	1	A		The former HNSC 1190
Human Ecology	Family Social Sciences	FMLY	1010	Human Development in the Family	3	1	A		NURS 1260
Human Ecology	Family Social Sciences	FMLY	1140	Family Social Sciences: Relationships	3	1	A		
Human Ecology	Family Social Sciences	FMLY	1900	Families, Housing, and Community: An Introductory Perspective	3	1	A		The former FMLY 1720
Nursing	Nursing	NURS	1260	Human Growth and Development	3	1	A		
Physical Educ & Rec Studies	Physical Education	PHED	1200	Physical Activity, Health and Wellness	3	1	A		
Social Work	Social Work	SWRK	1310	Introduction to Social Welfare Policy analysis	3	1	A	?	The former SWRK 1300

LEVEL 200 - GROUP A (high relevance)**Courses with SCIENCE orientation**

Arts	Psychology	PSYC	2290	Child Development	3	2	A	PSYC 1200 or PSYC 1211 and PSYC 1221	
Arts	Psychology	PSYC	2360	Brain and Behaviour	3	2	A	C or better in PSYC 1200 or both PSYC 1211 and PSYC 1221 or written consent of department head.	PSYC 3530 or PSYC 3540
Asper School of Business	Accounting and Finance	ACC	2000	Information Systems for Management	3	2	B	COMP 1260	ACC 1100
Science	Botany	BOTN	2460	Genetics I	3	2	A	C or better in BIOL 1030 or the former BIOL 1250	PLNT 2520, PLNT 2090
Science	Chemistry	CHEM	2210	Introductory Organic Chemistry 1: Structure and Function	3	2	A	C or better in CHEM 1310	CHEM 1320 or the former 2200
Science	Chemistry	CHEM	2220	Introductory Organic Chemistry 2: Reactivity and Synthesis	3	2	A	C or better in CHEM 2210	The former CHEM 2200
Science	Chemistry	CHEM	2360	Biochemistry I: Biomolecules and an Introduction to Metabolic Energy	3	2	A	C or better in CHEM 1310 and the former BIOL 1250	CHEM 2770 or 2400 or MBIO 2360 or 2770.

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Science	Chemistry	CHEM	2370	Biochemistry 2: Catabolism, Synthesis, and Information Pathways	3	2	A	C or better in CHEM 2360 or MBIO 2360 and CHEM 2210	CHEM 2780 or MBIO 2370 or 2780
Science	Chemistry	CHEM	2770	Elements of Biochemistry 1	3	2	A	C or better in CHEM 1310 or 1320	CHEM 2360 (MBIO 2360 and 2770)
Science	Chemistry	CHEM	2780	Elements of Biochemistry 2	3	2	A	C or better in CHEM 2770 (MBIO 2770) or CHEM 2360 (MBIO 2360)	CHEM 2370 (MBIO 2370) or MBIO 2780
Science	Mathematics	MATH	2010	Mathematical Modeling without Calculus	3	2	A	MATH 1300 or MATH 1310	
Science	Mathematics	MATH	2350	Linear Algebra with Applications	6	2	A	C+ or better in MATH 1300 or MATH 1310 and C+ or better in one of MATH 1690, MATH 1700, MATH 1710 or MATH 1730	
Science	Microbiology	MBIO	2100	General Microbiology A	3	2	A	C or better in CHEM 1310 or 1320	
Science	Microbiology	MBIO	2110	General Microbiology B	3	2	A	C or better in MBIO 2100 or CHEM 2370	
Science	Microbiology	MBIO	2360	Biochemistry 1: Biomolecules and an Introduction to Metabolic Energy	3	2	A	CHEM 1310 and the former BIOL 1250	MBIO 2770 or CHEM 2360 or 2770
Science	Microbiology	MBIO	2370	Biochemistry 2: Catabolism, Synthesis, and Information Pathways	3	2	A	MBIO 2360 and CHEM 2210	MBIO 2780 or CHEM 2370 or 2780
Science	Statistics	STAT	2000	Basic Statistical Analysis 2	3	2	A	C or better in STAT 1000	
Science	Zoology	ZOOL	2150	Developmental Biology	3	2	A	C or better in BIOL 1030 or the former BIOL 1250	
Science	Zoology	ZOOL	2180	Introductory Toxicology	3	2	A	C or better in BIOL 1030 or the former BIOL 1250 (C) and CHEM 1310 or CHEM 1320	Also taught in Botany, Environmental Science and Agriculture
Science	Zoology	ZOOL	2190	Toxicological Principles	1.5	2	A	BIOL 1030 or the former BIOL 1250 (C) and CHEM 1310 or CHEM 1320	Also taught in Botany, Environmental Science and Agriculture
Science	Zoology	ZOOL	2280	Cell Biology	3	2	A	C or better in BIOL 1030 or the former BIOL 1250	
Science	Zoology	ZOOL	2530	Human Physiology 1	3	2	A	BIOL 1030 or the former BIOL 1250 or BIOL 1000 and 1010 or ZOOL 1330	ZOOL 3530
Science	Zoology	ZOOL	2540	Human Physiology 2	3	2	A	ZOOL 2530 or 3530	
Nursing	Nursing	NURS	2610	Health and Physical Aspects of Aging	3	2	A		PHED 2610
Physical Educ & Rec Studies	Exercise & Sport Science	PHED	2610	Health and Physical Aspects of Aging	3	2	A		NURS 2610
Physical Educ & Rec Studies	Physical Education	PHED	2320	Human Anatomy	3	2	A	C or better in BIOL 1030 or the former BIOL 1250	
Human Ecology	Human Nutritional Sciences	HNSC	2130	Nutrition through the Life Cycle	3	2	A	HNSC 1210	
Human Ecology	Human Nutritional Sciences	HNSC	2140	Basic Principles of Human Nutrition	3	2	A	C or better in CHEM 2770 (or CHEM 2360 or MBIO 2360 or MBIO 2770) and HNSC 1210, and 1200 or CHEM 2770 (or CHEM 2360 or MBIO 2360) and FOOD 2500	HNSC 3250

LEVELE 200 - GROUP A (high relevance)**Courses with SOCIAL SCIENCE orientation**

Arts	Anthropology	ANTH	2040	Native North America: A Sociocultural Survey	3	2	A	ANTH 1220 or ANTH 1520	ANTH 3450
Arts	Anthropology	ANTH	2240	Plagues and People	3	2	A		

Arts	Anthropology	ANTH	2510	Anthropology of Economic Systems	3	2	A	ANTH 1220 or ANTH 1520	
Arts	Anthropology	ANTH	2550	Culture and the Individual	3	2	A	ANTH 1220 or ANTH 1520	
Arts	Anthropology	ANTH	2560	Anthropology of Illness	3	2	A	ANTH 1220 or ANTH 1520	
Arts	Anthropology	ANTH	2820	Human Osteology	3	2	A	ANTH 1210	
Arts	Anthropology	ANTH	2860	Evolution and Human Diversity	3	2	A	ANTH 1210	
Arts	Anthropology	ANTH	2880	Human Evolution	3	2	A	ANTH 1210	
Arts	Anthropology	ANTH	2890	Human Population Biology	3	2	A	ANTH 2860	
Arts	Economics	ECON	2310	Canadian Economic Problems	6	2	A	ECON 1200 or ECON 1210 and ECON 1220	
Arts	Economics	ECON	2350	Community Economic Development	3	2	A	None	
Arts	Economics	ECON	2410	The Manitoba Economy	3	2	A	None	
Arts	History	HIST	2280W	Aboriginal History of Canada	6	2	A	None	HIST 2540
Arts	Native Studies	NATV	2020W	The Metis of Canada	3	2	A	C or better in NATV 1200 or NATV 1220 and NATV 1240	
Arts	Native Studies	NATV	2040	The Native Peoples of the Northern Plains	3	2	A	C or better in NATV 1200 or NATV 1220 and NATV 1240	
Arts	Native Studies	NATV	2060	The Native Peoples of the Eastern Woodlands	3	2	A	C or better in NATV 1200 or NATV 1220 and NATV 1240	
Arts	Native Studies	NATV	2070	The Native Peoples of the Subarctic	3	2	A	C or better in NATV 1200 or NATV 1220 and NATV 1240	
Arts	Native Studies	NATV	2080	Inuit Society and Culture	3	2	A	C or better in NATV 1200 or NATV 1220 and NATV 1240	
Arts	Native Studies	NATV	2100	Aboriginal Spirituality	3	2	A	None	NATV 3000*
Arts	Philosophy	PHIL	215W	Mind and Body	3	2	A	C or better in 6 or hrs of 100-level philosophy or 30 hrs of univ credit	
Arts	Philosophy	PHIL	2290	Ethics and Society	6	2	A	30 hrs of university credit	PHIL 2530 or PHIL 2740 or PHIL 2750
Arts	Philosophy	PHIL	2750	Ethics and the Environment	3	2	A	30 hrs of university credit	PHIL 2290 or PHIL 2530
Arts	Political Studies	POLS	2070W	Introduction to Canadian Government	6	2	A	None	POLS 1560
Arts	Political Studies	POLS	2570	Introduction to Public Administration	6	2	A	None	
Arts	Psychology	PSYC	2250	Introduction to Psychological Research	3	2	A	C or better in PSYC 1200 or PSYC 1211 and PSYC 1221	
Arts	Psychology	PSYC	2260	Introduction to Research Methods in Psychology	3	2	A	PSYC 2260	
Arts	Psychology	PSYC	2290	Child Development	3	2	A	C or better in PSYC 1200 or PSYC 1211 and PSYC 1221	
Arts	Psychology	PSYC	2310	Adolescent Development	3	2	A	C or better in PSYC 1200 or PSYC 1211 and PSYC 1221	
Arts	Psychology	PSYC	2320	Motivation	3	2	A	C or better in PSYC 1200 or PSYC 1211 and PSYC 1221	
Arts	Psychology	PSYC	2330	Emotion	3	2	A	C or better in PSYC 1200 or PSYC 1211 and PSYC 1221	
Arts	Psychology	PSYC	2370	Developmental Psychology from Adolescence to Old Age	3	2	A	C or better in PSYC 1200 or PSYC 1211 and PSYC 1221	
Arts	Psychology	PSYC	2400	Psychology of Sex Differences	3	2	A	C or better in PSYC 1200 or PSYC 1211 and PSYC 1221	
Arts	Psychology	PSYC	2410	Social Psychology 1	3	2	A	C or better in PSYC 1200 or PSYC 1211 and PSYC 1221	
Arts	Psychology	PSYC	2420	Social Psychology 2	3	2	A	C or better in PSYC 1200 or PSYC 1211 and PSYC 1221	

Arts	Psychology	PSYC	2440	Behaviour Modification Principles	3	2	A	C or better in PSYC 1200 or PSYC 1211 and PSYC 1221 or consent of Department Head	
Arts	Psychology	PSYC	2450	Behaviour Modification Applications	3	2	A	C or better in PSYC 2440	
Arts	Psychology	PSYC	2470	Learning Foundations of Psychology	3	2	A	C or better in PSYC 1200 or PSYC 1211 and PSYC 1221 or consent of Department Head	
Arts	Psychology	PSYC	2480	Cognitive Processes	3	2	A	C or better in C or better in PSYC 1200 or PSYC 1211 and PSYC 1221	
Arts	Sociology	SOC	2270	Urban Sociology	3	2	A	SOC 1200 or SOC 1211 and SOC 1221	
Arts	Sociology	SOC	2320	Canadian Society and Culture	3	2	A	C or better in SOC 1200 or SOC 1211 and SOC 1221	
Arts	Sociology	SOC	2330	Social Psychology in Sociological Perspective	3	2	A	C or better in SOC 1200 or SOC 1211 and SOC 1221	
Arts	Sociology	SOC	2340	Socialization	3	2	A	C or better in SOC 1200 or SOC 1211; and SOC 1221	
Arts	Sociology	SOC	2360	Small Group Interaction	3	2	A	C or better in SOC 1200 or C or better in SOC 1211 and SOC 1221; SOC 2330 is recommended	
Arts	Sociology	SOC	2370	Ethnic Relations	3	2	A	C or better in SOC 1200 or SOC 1211 and SOC 1221	
Arts	Sociology	SOC	2390	Social Organization	3	2	A	C or better in SOC 1200 or C or better in SOC 1211 and SOC 1221	
Arts	Sociology	SOC	2460	The Family	3	2	A	C or better in SOC 1200 or SOC 1211 and SOC 1221	
Arts	Sociology	SOC	2490	Sociology of Health and Illness	3	2	A	C or better in SOC 1200 or SOC 1211 and SOC 1221	
Arts	Sociology	SOC	2620	The Sociology of Aging	3	2	A	C or better in SOC 1200 or SOC 1211 and SOC 1221	
Arts	Women's Studies	WOMN	2560	Women, Science and Technology	3	2	A		
Architecture	Interior Design	IDES	2650	The Social Aspects of Aging	3	2	A		HMEC 2650, REC 2650, SWRK 2650
Asper School of Business	Business Administration	GMGT	2030	Administrative Theory	3	2	A		GMGT 2080
Asper School of Business	Business Administration	GMGT	2080	Introduction to Management and Organization theory	3	2	A		GMGT 2HNSC
Asper School of Business	Business Administration	GMGT	2120	Business/Government Relations	3	2	A	ECON 1200	
Environment	Geography	GEOG	2480	Population Geography	6	2	A	3 credit hours in 100 level Geog courses	
Human Ecology	Interfaculty Option on Aging	HMEC	2650	The Social Aspects of Aging	3	2	A		IDES 2650, SWRK 2650, REC 2650
Human Ecology	Family Social Sciences	FMLY	2070	Family Financial Management	3	2	A	FMLY 1420	
Human Ecology	Family Social Sciences	FMLY	2350	Multicultural Family Issues	3	2	A	FMLY 1140	
Human Ecology	Family Social Sciences	FMLY	2600	Foundations of Childhood Developmental Health	3	2	A	FML Y1010	
Human Ecology	Family Social Sciences	FMLY	2900	Families, Housing and Community: A Developmental Perspective	3	2	A	FMLY 1900 or FMLY 1720	
Physical Educ	Recreation Studies	REC	2650	The Social Aspects of Aging	3	2	A		SWRK 2650

& Rec Studies									
Social Work	Social Work	SWRK	2080	Interpersonal Communication Skills	3	2	A		
Social Work	Social Work	SWRK	2650	The Social Aspects of Aging	3	2	A		IDES 2650 and HMEC 2650
Social Work	Social Work	SWRK	2130	Comparative Social Welfare Systems	3	2	A	SWRK 1310	SWRK 11300

LEVEL 300 - GROUP A (high relevance)

Courses with SCIENCE orientation

Arts	Psychology	PSYC	3330	Elements of Physiological Psychology	3	3	A	C or better in PSYC 1200 or both PSYC 1211 and PSYC 1221 or written consent of department head.	
Arts	Psychology	PSYC	3430	Sensory Process	3	3	A	C or better in PSYC 1200 or both PSYC 1211 and PSYC 1221 and one of the following: PSYC 2360, PSYC 3330, BIOL 1030 or the former BIOL 1250 or ZOOL 2530.	
Arts	Psychology	PSYC	3460	Abnormal Psychology	3	3	A	C or better in PSYC 1200 or PSYC 1211 and PSYC 1221	
Asper School of Business	Accounting and Finance	ACC	3500	Database Management Systems	3	3	A	ACC 3510. Co-requisite COMP 1010	
Asper School of Business	Accounting and Finance	ACC	3510	Systems Analysis and Design	3	3	A	ACC 2000	
Asper School of Business	Accounting and Finance	ACC	3520	Data Communications and Networking	3	3	A	ACC 2000	
Human Ecology	Human Nutritional Sciences	HNSC	3300	Vitamins and Minerals in Human Health	3	3	A	CHEM 2780 or MBIO 2780 (or CHEM 2370 or MBIO 2370), and HNSC 2140 and ZOOL 1330 (or 2540)	HNSC 4260
Human Ecology	Human Nutritional Sciences	HNSC	3310	Macronutrients and Human Health	3	3	A	CHEM 2780 (OR 2370) and HNSC 2140, and ZOOL 1330 (or 2540)	HNSC 3250
Human Ecology	Human Nutritional Sciences	HNSC	3320	Nutrition Education and Dietary Change	3	3	A	C or better in PSYC 1200, HNSC 2130, 2140 and 2160	
Human Ecology	Textile Sciences	TXSC	3500	Textiles for the Healthcare Sector	3	3	A	TXSC 2610; HMEC 2050 or any 200-level or 300-level research method course; and CHEM 2220	
Medicine	Biochemistry and Medical Genetics	BGEN	3020	Introduction to Human Genetics	6	3	A		Not to be held with the former 080.301 or 125.301.
Science	Mathematics	MATH	3800	Ordinary Differential Equations with Applications 2	3	3	A	MATH 2800. Co-requisite MATH 2730 or MATH 2750	
Science	Mathematics	MATH	3810	Partial Differential Equations 1	3	3	A	MATH 2720 and MATH 2730 and MATH 3800	
Science	Mathematics	MATH	3820	Introduction to Mathematical Modelling	3	3	A	MATH 2600 and MATH 2800. Co-requisite STAT 1000	
Science	Microbiology	MBIO	3010	Mechanisms of Microbial Disease	3	3	A	C or better in MBIO 2110 and 2370 or CHEM 2370	
Science	Microbiology	MBIO	3410	Molecular Biology	3	3	A	C or better in MBIO 2110 and 2370	
Science	Microbiology	MBIO	3430	Molecular Evolution	3	3	A	C or better in MBIO 2110	
Science	Microbiology	MBIO	3440	Microbial Physiology	3	3	A	C or better in MBIO 2110 and 2370 or CHEM 2370	
Science	Microbiology	MBIO	3450	Regulation of Biochemical Processes	3	3	A	C or better in MBIO 2110 and 2370 or CHEM 2370	
Science	Microbiology	MBIO	3460	Membrane and Cellular Biochemistry	3	3	A	C or better in MBIO 2110 and 2370 or CHEM 2370	

Science	Microbiology	MBIO	3470	Microbial Systematics	3	3	A	C or better in MBIO 2110	MBIO 3310
Science	Microbiology	MBIO	3480	Microbial Diversity	3	3	A	C or better in MBIO 2110	MBIO 3310
Science	Statistics	STAT	3120	Topics in Regression Analysis	3	3	A	STAT 2000	
Science	Statistics	STAT	3130	Statistical Analysis of Designed Experiments	3	3	A	STAT 2000	STAT 3480
Science	Statistics	STAT	3380	An Introduction to Nonparametric Statistics	3	3	A	STAT 2000	
Science	Zoology	ZOOL	3060	Comparative Animal Histology	3	3	A	ZOOL 2320, 2500 or 2280 are recommended	
Science	Zoology	ZOOL	3460	Introduction to Parasitology	3	3	A	Pre or co-requisite ZOOL 2600 or consent of the department	
Science	Zoology	ZOOL	3530	Control System Physiology	3	3	A	C or better in BIOL 1030 or the former BIOL 1250 or 1000 and 1010	ZOOL 2530

LEVEL 300 - GROUP A (high relevance)

Courses with SOCIAL SCIENCE orientation

Arts	Anthropology	ANTH	3380	The Anthropology of Sex and Sexuality	3	3	A	C or better in ANTH 2390 or written consent of the instructor or Department Head	
Arts	Anthropology	ANTH	3740	Human Growth and Variation	3	3	A	ANTH 2860	
Arts	Economics	ECON	3690	Economic Issues of Health Policy	3	3	A	ECON 1200 or both 1210 and 1220	
Arts	Labour & Workplace Studies	LABR	3060	Workplace Health and Safety	3	3	A	LABR 1270 and LABR 1280	099.3060
Arts	Labour & Workplace Studies	LABR	3070	Labour Relations and Occupational Health and Safety Law	3	3	A	LABR 1270 and LABR 1280	099.3070
Arts	Native Studies	NATV	3100	Aboriginal Healing Ways	3	3	A	C or better in NATV 2100	NATV 3000*
Arts	Native Studies	NATV	3240	Native Medicine and Health	3	3	A	C or better in NATV 1200 or NATV 1220 and NATV 1240	
Arts	Political Studies	POLS	3860	Canadian Federalism	3	3	A	None	
Arts	Political Studies	POLS	3960	Canadian Politics	6	3	A	None	
Arts	Psychology	PSYC	3390	Thinking	3	3	A	C or better in or PSYC 1211 and PSYC 1221	
Arts	Psychology	PSYC	3440	Perception	3	3	A	C or better in PSYC 1200 or PSYC 1211 and PSYC 1221	
Arts	Psychology	PSYC	3450	Psychology of Personality	3	3	A	C or better in PSYC 1200 or PSYC 1211 and PSYC 1221	
Arts	Psychology	PSYC	3460	Abnormal Psychology	3	3	A	C or better in PSYC 1200 or PSYC 1211 and PSYC 1221	
Arts	Psychology	PSYC	3480	Social Learning and Psychopathology	3	3	A	C or better in PSYC 1200 or PSYC 1211 and PSYC 1221	
Arts	Psychology	PSYC	3490	Individual Differences	3	3	A	C or better in PSYC 1200 or PSYC 1211 and PSYC 1221	
Arts	Psychology	PSYC	3580	Language and Thought	3	3	A	C or better in PSYC 1200 or PSYC 1211 and PSYC 1221	
Arts	Psychology	PSYC	3600	Environmental Psychology	3	3	A	C or better in PSYC 1200 or PSYC 1211 and PSYC 1221	
Arts	Psychology	PSYC	3620	Community Mental Health	3	3	A	Written consent of instructor or dept head	
Arts	Psychology	PSYC	3630	Psychological Measurement and	3	3	A	C or better in PSYC 1200 or PSYC	

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Courses with SCIENCE orientation

[illegible]

Human Ecology	Human Nutritional Sciences	HNSC	4540	Functional Foods and Nutraceuticals	3	4	A	CHEM 2770 (or 2360 or MBIO 2360 or MBIO 2770)	FOOD 4540
Human Ecology	Textile Sciences	TXCS	4500	Advanced Textiles for the Healthcare Sector	3	4	A	C or better in 57 cr hours including TXCS 2600, 2610, 3620 and 3500; CHEM 2220 and HMEC 2050	
Science	Chemistry	CHEM	4360	Signalling and Regulation of Gene Expression	3	4	A	C or better in CHEM 2370 or MBIO 2370 or the former CHEM 2350 or MBIO 2350	
Sciences	Chemistry	CHEM	4370	Glycobiology and Protein Activation	3	4	A	C or better in CHEM 2370 or MBIO 2370 or the former CHEM 2350 or MBIO 2350	
Science	Chemistry	CHEM	4620	Biochemistry of Nucleic Acids	3	4	A	C or better in CHEM 2370 (MBIO 2370)	
Science	Chemistry	CHEM	4630	Biochemistry of Proteins	3	4	A	C or better in CHEM 2370 (MBIO 2370)	
Science	Microbiology	MBIO	4020	Immunology	3	4	A	MBIO 3010	MBIO 4010
Science	Microbiology	MBIO	4320	Environmental Microbiology	3	4	A	MBIO 2280 (MBIO 2230, 3480 are recommended)	

LEVEL 400+ GROUP A (high relevance)**Courses with SOCIAL SCIENCE orientation**

Arts	Anthropology	ANTH	4750	The Anthropology of Aging	3	4	A	None	
Arts	Anthropology	ANTH	4860	Special Topics in Biological Anthropology	3	4	A	Written consent of instructor or Department Head	
Arts	Political Studies	POLS	4190	Manitoba Politics and Government	3	4	A	Honours course. Consent of instructor or department head	
Arts	Political Studies	POLS	4570	Public Organizational Management	6	4	A	Honours course. Consent of instructor or department head	
Arts	Political Studies	POLS	4860	The Canadian Policy Process	6	4	A	Honours course. Consent of instructor or department head	
Arts	Psychology	PSYC	4540	Contemporary Issues I	3	3	A	Written consent of Department Head	
Arts	Women's Studies	WOMN	4120	Practicum in Feminist Organizing	6	4	A	24 credit hours in Women's Studies courses and written consent of the Women's Studies coordinator.	
Environment	Geography	GEOG	4710	Geography of the Elderly and Aging	3	4	A		
Human Ecology	General Faculty	HMEC	4090	Practicum in Human Ecology	6	4	A	84 credit hours in the Comprehensive Program and consent of instructor	
Human Ecology	Family Social Sciences	FMLY	4330	Management of Family Stress	3	4	A	FMLY 1140	
Human Ecology	Family Social Sciences	FMLY	4450	Family Economic Resources and Functions	3	4	A	FMLY 3450	
Human Ecology	Family Social Sciences	FMLY	4480	Work and Family Issues	3	4	A	FMLY 2070 + 84 cr hrs	
Medicine	Community Health Sciences	CHSC	4010	Public Health and Preventative Medicine	6	4	A		

LIST B (medium-high relevance)

FACULTY	DEPT	DPPT CODE	COUR SE#	COURSE TITLE	CREDIT HOURS	LEV EL	GRO UP	PREREQUISITES	NOT TO BE HELD WITH
LEVEL 100 - GROUP B (medium-high relevance)									
Courses with SCIENCE orientation									
Environment	Geography	GEOG	1200	Introductory Geography	6	1	B		GEOG 1290, GEOG 1280, GEOG 1210, GEOG 1240, GEOG 1250, GEOG 1270
Environment	Geography	GEOG	1280	Introduction to Human Geography	3	1	B		GEOG 1280 and GEOG 1200, or the former GEOG 1240, GEOG 1250, GEOG 1270.
Environment	Geography	GEOG	1290	Introduction to Physical Geography	3	1	B		GEOG 1290 and GEOG 1200, or the former GEOG 1210.
Environment	Environmental Science/Environmental Studies	ENVR	1000	Environmental Science 1: Concepts	3	1	B		BIOL 1340, and the former BOTN 3370
LEVEL 100 - GROUP B (medium-high relevance)									
Courses with SOCIAL SCIENCE orientation									
Arts	Anthropology	ANTH	1210	Human Origins and Antiquity	3	1	B		ANTH 1200
Arts	Anthropology	ANTH	1220	Cultural Anthropology	3	1	B		ANTH 1200, ANTH 1520
Arts	Labour & Workplace Studies	LABR	1270	Introduction to the Political Economy of Labour	3	1	B	None	099.1280
Arts	Labour & Workplace Studies	LABR	1280	Introduction to Labour Institutions and Problems	3	1	B	None	099.1280
Arts	Native Studies	NATV	1220W	The Native Peoples of Canada, Part 1	3	1	B	None	NATV 1200W
Arts	Native Studies	NATV	1240	The Native Peoples of Canada, Part 2	3	1	B	None	NATV 1200W
Arts	Philosophy	PHIL	1200	Introduction to Philosophy	6	1	B	None	PHIL 1510
Arts	Philosophy	PHIL	1320	Introductory Logic	6	1	B	None	PHIL 1290 or PHIL 1330
Arts	Philosophy	PHIL	1330	Introduction to Symbolic Logic	6	1	B	None	PHIL 1320
Arts	Religion	RLGN	1320W	Introduction to World Religions	6	1	B		
Arts	Religion	RLGN	1420W	Ethics in World Religions	3	1	B		RLGN 2450
Arts	Women's Studies	WOMN	1540W	Introduction to Women's Studies in the Social Sciences	3	1	B		099.1510 or 099.1540
Asper School of Business	Accounting and Finance	ACC	1100	Introductory Financial Accounting	3	1	B		
Asper School of Business	Accounting and Finance	ACC	1110	Introductory Managerial Accounting	3	1	B	ACC 1100	
Education	Educational Administration, Foundations, and Psychology	EDUA	1540	Cross-cultural Education	3	1	B		EDUA 3030
Human Ecology	Family Social Sciences	FMLY	1420	Family Management Principles	3	1	B		

LEVEL 200 - GROUP B (medium-high relevance)

Courses with SCIENCE orientation

Science	Botany	BOTN	2280	Introductory Ecology	3	2	B	a C or better in BIOL 1030	BOTN 2370(ZOOL 2370 or AGRI 2370).
Science	Zoology	ZOOL	2150	Developmental Biology	3	2	B	a C or better in BIOL 1030 or the former BIOL 1250	
Science	Zoology	ZOOL	2290	Introductory Ecology	3	2	B	a C or better in BIOL 1030 or the former BIOL 1250	ZOOL 2370

LEVEL 200 - GROUP B (medium-high relevance)

Courses with SOCIAL SCIENCE orientation

Arts	Anthropology	ANTH	2370	Language and Culture	3	2	B	ANTH 1220 or ANTH 1520	
Arts	Anthropology	ANTH	2390	Social Organization in Cross-Cultural Perspective	6	2	B	ANTH 1220 or ANTH 1520	
Arts	Anthropology	ANTH	2500	Culture, Environment and Technology	3	2	B	ANTH 1220 or ANTH 1520	
Arts	Anthropology	ANTH	2530	Anthropology of Political Systems	3	2	B	ANTH 1220 or ANTH 1520	
Arts	Economics	ECON	2280	Social Welfare and Human Resources	6	2	B	ECON 1200 or ECON 1210 and ECON 1220	
Arts	Economics	ECON	2360	Women in the Canadian Economy	6	2	B	None	
Arts	Economics	ECON	2420	Economics of the Labour Process and Labour Relations	6	2	B	ECON 1200 or ECON 1210 and ECON 1220 or LABR 1270 and LABR 1280	LABR 2420
Arts	English	ENGL	2000W	Intermediate Writing and Research	6	2	B	None	
Arts	History	HIST	2970	Modern Canada: 1921 to the Present	6	2	B	None	
Arts	Labour & Workplace Studies	LABR	2420	Economics of the Labour Process and Labour Relations	6	2	B	LABR 1270 and LABR 1280 or ECON 1200 or ECON 1210 and ECON 1220	ECON 2420
Arts	Philosophy	PHIL	2610W	The History and Philosophy of Science	6	2	B	30 hrs of university credit	
Arts	Psychology	PSYC	2390	Psychology of Women	3	2	B	PSYC 1200 or PSYC 1201 and PSYC 1220	
Arts	Psychology	PSYC	2440	Behaviour Modification Principles	3	2	B	PSYC 1200 or PSYC 1211 and PSYC 1221	
Arts	Psychology	PSYC	2450	Behaviour Modification Applications	3	2	B	PSYC 2440	
Arts	Psychology	PSYC	2470	Learning Foundations of Psychology	3	2	B	PSYC 1200 or PSYC 1211 and PSYC 1221	
Arts	Religion	RLGN	2210W	Psychology of Religion	6	2	B		
Arts	Religion	RLGN	2500	Science and Religion	6	2	B		
Arts	Religion	RLGN	2590W	Religion and Social Issues	3	2	B		
Arts	Sociology	SOC	2470	Courtship and Marriage	3	2	B	SOC 1200 or SOC 1211 and SOC 1221	
Arts	Sociology	SOC	2510	Criminology	3	2	B	SOC 1200 or SOC 1211 and SOC 1221	
Arts	Sociology	SOC	2630	Social Change	3	2	B	SOC 1200 or SOC 1211 and SOC 1221	
Arts	Women's Studies	WOMN	2500	Race, Class and Sexuality	3	2		C or better in a min. of 3 cr. hrs. of Women's Studies courses, or written consent of the Women's Studies coordinator.	
Arts	Women's Studies	WOMN	2520	Introduction to Feminist Theory	3	2	B	C or better in a min. of 3 cr. hrs. of Women's Studies courses, or written consent	

of the Women's Studies
coordinator.
University-approved written
English course

Asper School of Business	Business Administration	GMGT	2000	Introduction to Communications	3	2	B
Asper School of Business	Business Administration	GMGT	2440	Human Resource Management	3	2	B
Environment	Geography	GEOG	2430	Political Geography	6	2	B
Environment	Geography	GEOG	2640	Geography of Culture and Inequality	3	2	B
Human Ecology	Family Social Sciences	FMLY	2800	Family Violence	3	2	B

3 credit hours in 100 level
Geog courses
3 credit hours in 100 level
Geog courses
FMLY 1010 r FMLY 1140
or PSYC 1200 or SOC 1200

GEOG 2650, GEOG 2660

LEVEL 300 - GROUP B (medium-high relevance)
Courses with SCIENCE orientation

Science	Botany	BOTN	3280	Medicinal and Hallucinogenic Plants	3	3	B
Science	Botany	BOTN	3460	Genetics 2	3	3	B
Science	Zoology	ZOOL	3460	Introductory Parasitology	3	3	B

30 cr hrs, or consent of Head
BOTN 2460 or PLNT 2520
or PLNT 2090; pre- or co-
CHEM 2370 (MBIO 2370)
or CHEM 2780 (MBIO
2780), or consent of Head
Pre- or co- ZOOL 2600 or
consent of Head

LEVEL 300 - GROUP B (medium-high relevance)
Courses with SOCIAL SCIENCE orientation

Agriculture and Food Sciences	Agribusiness & Agric Economics	ABIZ	3550	Environmental Policy	3	3	B
Agriculture and Food Sciences	Soil Science	SOIL	3520	Pesticides: Environment, Economics and Ethics	3	3	B
Arts	Anthropology	ANTH	3210	Cultural Change	3	3	B
Arts	Anthropology	ANTH	3320	Women in Cross-Cultural Perspective	3	3	B
Arts	Anthropology	ANTH	3460	Native North American Ethnology	3	3	B
Arts	Anthropology	ANTH	3500	Peoples of the Arctic	3	3	B
Arts	Anthropology	ANTH	3550	Canadian Subcultures	3	3	B
Arts	Anthropology	ANTH	3750	Anthropological Perspectives on Globalization and the World-System	3	3	B
Arts	Native Studies	NATV	3280	Aboriginal Peoples and the Canadian Justice System	3	3	B
Arts	Native Studies	NATV	3310	Canadian Law and Aboriginal Peoples	3	3	B
Arts	Native Studies	NATV	3320	Aboriginal Organizations	3	3	B
Arts	Native Studies	NATV	3330	Aboriginal People, Science and the Environment	3	3	B
Arts	Native Studies	NATV	3340	Circumpolar Cultures and Lifestyles	3	3	B
Arts	Native Studies	NATV	3380	Cultural Constructions of Gender in Canadian Aboriginal Societies	3	3	B
Arts	Sociology	SOC	3470	Political Sociology	3	3	B
Arts	Sociology	SOC	3640	Families in Societal Crisis	3	3	B

ABIZ.2380 or ECON 2390

None
SOIL 4110, ENTM 4540,
SOIL 4540

ANTH 3590

ANTH 1220 or ANTH 1520
ANTH 1220 or ANTH 1520
ANTH 1220 or ANTH 1520
ANTH 1220 or ANTH 1520
None
ANTH 2390

C or better in NATV 1200
or NATV 1220 and NATV
1240

C or better in NATV 1200
or NATV 1220 and NATV
1240

C or better in NATV 1200
or NATV 1220 and NATV
1240

None

None
C or better in NATV 1200
or NATV 1220 and NATV
1240

SOC 1200 or SOC 1211 and
SOC 1221

SOC 2460

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Arts	Sociology	SOC	3730	Society and Education	3	3	B	SOC 1200 or SOC 1211 and SOC 1221
Arts	Sociology	SOC	3810	Sociological Perspectives on Gender and Sexuality	3	3	B	SOC 1200 or SOC 1211 and SOC 1221
Arts	Sociology	SOC	3820	Qualitative and Historical Methods in Sociology	3	3	B	SOC 1200 or SOC 1211 and SOC 1221
Arts	Sociology	SOC	3830	Youth, Crime and Society	3	3	B	SOC 1200 or SOC 1211 and SOC 1221
Arts	Sociology	SOC	3840	Community and Social Reconstruction	3	3	B	SOC 1200 or SOC 1211 and SOC 1221
Arts	Sociology	SOC	3870	Social Inequality	3	3	B	SOC 1200 or SOC 1211 and SOC 1221
Arts	Women's Studies	WOMN	3570	Feminist Cultural Studies	3	3	B	C or better in a min. of 3 cr. hrs. of Women's Studies courses, or written consent of the Women's Studies coordinator.
Arts	Women's Studies	WOMN	3580	Feminist Approaches to Research	6	3	B	C or better in a min. of 3 cr. hrs. of Women's Studies courses, or written consent of the Women's Studies coordinator.
Asper School of Business	Business Administration	GMGT	3450	Labour and Employment Relations	3	3	B	GMGT 3410
Human Ecology	Human Nutritional Sciences	HNSC	3290	Cultural and Psychological Influences in Food Patterns	3	3	B	HNSC 1200 and HNSC 1210
LEVEL 400 - GROUP B (medium-high relevance)								
Courses with SCIENCE orientation								
Science	Zoology	ZOOL	4270	Genes and Development	3	4	B	A C or better in ZOOL 2280 and ZOOL 2150
LEVEL 400 - GROUP B (medium-high relevance)								
Courses with SOCIAL SCIENCE orientation								
Asper School of Business	Business Administration	GMGT	4410	Staffing and Management Development	3	4	B	GMGT 2440
Asper School of Business	Business Administration	GMGT	4480	Collective Bargaining and Administration	3	4	B	GMGT 3450

LIST C (medium relevance)

LEVEL 100 - GROUP C (medium relevance)								
Courses with SCIENCE orientation								
LEVEL 100 - GROUP C (medium relevance)								
Courses with SOCIAL SCIENCE orientation								
Agriculture and Food Sciences	Agribusiness & Agric Economics	ABIZ	1010	Economics of World Food Issues and Policies	3	1	C	None
							ABIZ 2100	

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Architecture	Environmental Design	EVDS	1660	History of Culture, Ideas & Environment 1	3	1	C	None
Architecture	Environmental Design	EVDS	1670	History of Culture, Ideas & Environment 2	3	1	C	EVDS 1660
Arts	Canadian Studies	CDN	1130W	Introduction to Canadian Studies	6	1	C	099.1130
Arts	History	HIST	1320W	Canada-United States: Contemporary Problems in Perspective: Current Problems	3	1	C	None
Arts	History	HIST	1440W	History of Canada	3	1	C	None
Arts	Linguistics	LING	1360	Languages of Canada	3	1	C	None
Agriculture and Food Sciences	Agribusiness & Agric Economics	ABIZ	1010	Economics of World Food Issues and Policies	3	1	C	None
Architecture	Environmental Design	EVDS	1660	History of Culture, Ideas & Environment 1	3	1	C	None
Architecture	Environmental Design	EVDS	1670	History of Culture, Ideas & Environment 2	3	1	C	EVDS 1660
Arts	Canadian Studies	CDN	1130W	Introduction to Canadian Studies	6	1	C	099.1130
Arts	History	HIST	1320W	Canada-United States: Contemporary Problems in Perspective: Current Problems	3	1	C	None
Arts	History	HIST	1440W	History of Canada	3	1	C	None
Arts	Linguistics	LING	1360	Languages of Canada	3	1	C	None

LEVEL 200 - GROUP C (medium relevance)

Courses with SCIENCE orientation

Science	Zoology	ZOOL	2320	Introduction to Chordate Zoology	3	2	C	a C or better in BIOL 1030	ZOOL 2500
Science	Zoology	ZOOL	2370	Principles of Ecology	3	2	C	STAT 1000	ZOOL 2290, BOTN 2370 and BOTN 2280

LEVEL 200 - GROUP C (medium relevance)

Courses with SOCIAL SCIENCE orientation

Architecture	Environmental Design	EVDS	2690	Design Since 1800	3	2	C	EVDS 1670
Arts	Classics	CLAS	2710	Greek and Latin Elements in English	3	2	C	None
Arts	Religion	RLGN	2350	Major Themes in World Religions	6	2	C	
Arts	Religion	RLGN	2410	Religion in Canada	6	2	C	
Arts	Religion	RLGN	2540	Modern Movements in World Religions	6	2	C	
Arts	Sociology	SOC	2610	Sociology of Criminal Justice and Corrections	3	2	C	SOC 2510
Environment	Geography	GEOG	2450	The Making of the Prairie Landscape	6	2	C	3 credit hours in 100 level Geog courses
Environment	Geography	GEOG	2630	Geography of Culture and Environment	3	2	C	3 credit hours in 100 level Geog courses

LEVEL 300 - GROUP C (medium relevance)

Courses with SCIENCE orientation

Science	Zoology	ZOOL	3070	Advanced Developmental and Cellular Biology	3	3	C	a C or better in ZOOL 2150 or consent of Head
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LEVEL 300 - GROUP C (medium relevance)

Courses with SOCIAL SCIENCE orientation

Arts	Anthropology	ANTH	3810	Anthropology of Belief Systems	3	3	C	ANTH 1220 or ANTH 1520
Arts	Canadian Studies	CDN	3730	Canadian Identity in the 20th Century: An Interdisciplinary Approach	3	3	C	None
Arts	History	HIST	3690	History of Northern Canada	6	3	C	C or better in 6 cr hrs of history
Arts	History	HIST	3730	A History of Western Canada	6	3	C	C or better in 6 cr hrs of

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Arts	Anthropology	ANTH	3810	Anthropology of Belief Systems	3	3	C	history
Arts	Canadian Studies	CDN	3730	Canadian Identity in the 20th Century: An Interdisciplinary Approach	3	3	C	ANTH 1220 or ANTH 1520
Arts	History	HIST	3690	History of Northern Canada	6	3	C	None
Arts	History	HIST	3730	A History of Western Canada	6	3	C	C or better in 6 cr hrs of history
							C	C or better in 6 cr hrs of history

LEVEL 400 - GROUP C (medium relevance)**Courses with SCIENCE orientation****LEVEL 400 - GROUP C (medium relevance)****Courses with SOCIAL SCIENCE orientation**

Arts	Political Studies	POLS	4860	The Canadian Policy Process	6	4	C	Honours course. Consent of instructor or department head
Asper School of Business	Business Administration	GMGT	4420	Compensation	3	4	C	GMGT 2440

Curriculum examples

Health Sciences

SAMPLE MENU OF COURSES FOR B.H.Sc. DEGREE PROGRAM

University 1	cr.hrs	Year 2	cr.hrs	Year 3	cr.hrs	Year 4	cr.hrs	total cr.hrs
CHEM 1300	3	PHIL 1290	3	PHIL 2740	3	SOC 3540	3	12
CHEM 1310	3	ECON 1200	3	ECON 3690	3	GEOG 4290	3	12
BIOL 1020	3	SOC 2490	3	GMGT. 2070	3			9
BIOL 1030	3	SOC 2360	3					6
STAT 1000	3	HNSC 1210	3					6
PSYC 1200	6	COMP 1260	3					9
SOC 1200	6	ZOOL 1330	3			HEAL 4BBB	3	12
		HEAL 2XXX	3	HEAL 3XXX	3	HEAL 4XXX	3	9
Free electives	3	Free electives	3			Free electives	3	9
		Structured Electives	3	Structured Electives	18	Structured Electives	15	36
	30		30		30		30	120

The 36 credit hours of electives must be structured from Approved list as follows:

- minimum of 21 credit hours from Science Courses
- minimum of 12 credit hours from Social Science Courses
- minimum of 21 credit hours from Group A
- maximum of 6 credit hours from Group B
- maximum of 3 credit hours from Group C
- minimum 24 credit hours from 300 or 400 level

Health Studies**SAMPLE MENU OF COURSES FOR B.H.St. PROGRAM**

University 1	cr.hrs	Year 2	cr.hrs	Year 3	cr.hrs	Year 4	cr.hrs	total cr.hrs
SOC 1200	6	PHIL 1290	3	PHIL 2740	3	SOC 3540	3	15
PSYC 1200	6	GMGT 2070	3	ECON 3690	3	GEOG 4290	3	15
ANTH 1210	3	SOC 2490	3					6
ANTH 1220	3	HNSC 1210	3					6
ECON 1200	3	COMP 1260	3					6
BIOL 1020	3	COMP 1270	3					6
BIOL 1030	3	STAT 1000	3			HEAL 4BBB	3	9
		HEAL 2XXX	3	HEAL 3XXX	3	HEAL 4XXX	3	9
Free electives	3	Free electives	3	Free electives	3	Free electives	3	12
		Structured Electives	3	Structured Electives	18	Structured Electives	15	36
	30		30		30		30	120

The 36 credit hours of electives must be structured from Approved list as follows:

- minimum of 21 credit hours from Social Science Courses
- minimum of 12 credit hours from Science Courses
- minimum of 21 credit hours from Group A
- maximum of 6 credit hours from Group B
- maximum of 3 credit hours from Group C
- minimum 24 credit hours from 300 or 400 level

Entry into Doctor of Medicine Program**EXAMPLE OF B.H.Sc. CURRICULUM FOR ENTRY INTO DOCTOR OF MEDICINE PROGRAM**

University 1	Year 2	Year 3	Year 4
CHEM 1300 3	ENGL 1200W 3	PHIL 2740 3	GEOG 4290 3
CHEM 1310 3	CHEM 2360 or MBIO 2360 3	HNSC 1210 3	HMEC 3AAA 3
BIOL 1020 3	CHEM 2370 or MBIO 2370 3	HMEC 2030W 3	HEAL 4XXX 3
BIOL 1030 3	PHIL 1290 3	HEAL 3XXX 3	HEAL 4CBB 3
ZOOL 1320 3	HEAL2XXX 3	GMGT 2070 3	STAT 2000 3
ZOOL 1330 3	CHEM 2220 3	MBIO 2100 3	FOOD 4540 3
STAT 1000 3	COMP 1260 3	MBIO 2110 3	ANTH 4750 3
ECON 1210 3	PSYC 2250 3	ZOOL 2530 3	CHSC 4010 3
PSYC 1200 6	CHEM 2210 3	ECON 1220 3	ECON 3690 3
		SOC 3540 3	ENVR 4210 3
Total Credit Hours: 30 Science Cr Hrs:21 Social Science Cr Hrs: 9 Other Cr Hrs: 0	Total Credit Hours: 30 Science Cr Hrs:15 Social Science Cr Hrs:12 Other Cr Hrs: 3	Total Credit Hours: 30 Science Cr Hrs:12 Social Science Cr Hrs:15 Other Cr Hrs: 3	Total Credit Hours: 30 Science Cr Hrs:9 Social Science Cr Hrs:12 Other Cr Hrs: 9

Science Cr Hrs (21): 60

Social Science Cr Hrs (12):42

List A Cr Hrs (21): 36

3rd & 4th Level Course Cr Hrs (24): 33

□ = Elective courses

▣ = Pre-requisite courses

BGEN 2460, PHYS 1020 & 1030 and ZOOL 2540 are recommended for taking the MCAT – It will be necessary for students in the B.H.St. Program to complete additional courses beyond the 120 required credit hours in order to be eligible to apply for the Faculty of Medicine

EXAMPLE OF B.H.St. CURRICULUM FOR ENTRY INTO DOCTOR OF MEDICINE PROGRAM

University 1	Year 2	Year 3	Year 4
SOC 1200 6	ENGL 1200W 3	HNSC 1210 3	GEOG 4290 3
PSYC 1200 6	CHEM 2360 or MBIO 2360 3	HMEC 2030W 3	HMEC 3AAA 3
PHIL 1290 3	CHEM 2370 or MBIO 2370 3	HEAL 3XXX 3	HEAL 4XXX 3
STAT 1000 3	ECON 1210 3	COMP 1260 3	HEAL 4CAA 3
CHEM 1300 3	GMGT 2070 3	PSYC 2250 3	NATV 3330 3
CHEM 1310 3	HEAL2XXX 3	PHIL 2740 3	ANTH 4750 3
BIOL 1020 3	ANTH 1210 3	ANTH 2560 3	CHSC 4010 3
BIOL 1030 3	ANTH 1220 3	PSYC 3330 3	ECON 1220 3
	CHEM 2210 3	NURS 3330 3	SOC 3540 3
		SOC 2620 3	POLS 3860 3
Credit Hours: 30 Social Science Cr Hrs:15 Science Cr Hrs: 15 Other Cr Hrs: 0	Credit Hours: 30 Social Science Cr Hrs:18 Science Cr Hrs: 9 Other Cr Hrs: 3	Credit Hours: 30 Social Science Cr Hrs:21 Science Cr Hrs: 6 Other Cr Hrs: 3	Credit Hours: 30 Social Science Cr Hrs: 21 Science Cr Hrs: 0 Other Cr Hrs: 9

Social Science Cr Hrs (21): 78

Science Cr Hrs (12):24

List A Cr Hrs (21): 33

3rd & 4th Level Course Cr Hrs (24): 39

□ = Elective courses

▣ = Pre-requisite courses

BGEN 2460, PHYS 1020 & 1030, ZOOL 2530 & 2540 and CHEM 2210 & 2220 are recommended for taking the MCAT – It will be necessary for students in the B.H.St. Program to complete additional courses beyond the 120 required credit hours in order to be eligible to apply for the Faculty of Medicine

FULL COURSE TITLES

ANTH 1210 (3) Human Origins and Antiquity
 ANTH 1220 (3) Cultural Anthropology
 ANTH 2560 (3) *Anthropology of Illness*
 ANTH 4750 (3) The Anthropology of Aging
 BIOL 1020 (3) Biology
 BIOL 1030 (3) Biology
 BOTN 3280 (3) Medicinal and hallucinogenic Plants
 CHEM 1300 (3) University 1 Chemistry: Structure and Modelling in Chemistry
 CHEM 1310 (3) University 1 Chemistry: An Introduction to Physical Chemistry
 CHEM 2210 (3) Introductory Organic Chemistry 1
 CHEM 2220 (3) Introductory Organic Chemistry 2
 CHEM 2360 (3) Biochemistry 1: Biomolecules and an Introduction to Metabolic Energy
 CHEM 2370 (3) Biochemistry 2 : Catabolism, Synthesis, and Information Pathways
 CHSC 4010 (3) Public Health and Preventative Medicine
 COMP 1260 (3) Introductory Computer Usage 1
 COMP 1270 (3)) Introductory Computer Usage 2
 ECON 1210 (3) Introduction to Canadian Economic Issues and Policies
 ECON 1220 (3) Introduction to Global and Environmental Economic Issues and Policies
 ECON 3690 (3) Economic Issues of Health Policy
 ENGL 1200W (6) Representative Literary Works
 ENVR 4210 (3) Environmental Health 1
 EVDS 1660 (3) History of Culture, Ideas & Environment 1
 FOOD 4540 (3) *Functional Foods and Nutraceuticals*
 GEOG 4290 (3) Geographies of Health and Health Care
 Genetics 2460 (3)
 GMG 2070 (3) Introduction to Organizational Behaviour
 HEAL 2XXX (3) Integration: Individual Focus
 HEAL 3XXX (3) Integration: Community Focus
 HEAL 4CAA (3) Health Studies Capstone

HEAL 4CBB (3) Health Sciences Capstone
 HEAL 4XXX (3) Integration: Canada and World Focus
 HMEC 2030W (3) Human Ecology: Perspectives and Communication
 HMEC 3AAA (3) Developmental Health
 HNSC 1210 (3) Nutrition for Health and Changing Lifestyles
 MBIO 2100 (3) General Microbiology A
 MBIO 2110 (3) General Microbiology B
 MBIO 2360 (3) Biochemistry 1
 MBIO 2370 (3) Biochemistry 2
 NATV 1220W (3) The Native Peoples of Canada, Part 1
 NATV 3330 (3) Aboriginal People, Science and the Environment
 NURS 3330 (3) Women and Health
 PHIL 1290 (3) Critical Thinking
 PHIL 2740 (3) Ethics in Biomedicine
 PHYS 1020 (3) General Physics 1
 PHYS 1030 (3) General Physics 2
 POLS 3860 (3) Canadian Federalism
 PSYC 1200 (6) Introduction to Psychology
 PSYC 2250 (3) Introduction to Psychological Research
 PSYC 3330 (3) Elements of Physiological Psychology

SOC 1200 (6) Introduction to Sociology
 SOC 2620 (3) The Sociology of Aging
 SOC 3540 (3) The Sociology of Health Care Systems
 STAT 1000 (3) Basic Statistical Analysis 1
 STAT 2000 (3) Basic Statistical Analysis 2
 ZOOL 1320 (3) Human Anatomy
 ZOOL 1330 (3) Physiology of the Human Body
 ZOOL 2530 (3) Human Physiology 1
 ZOOL 2540 (3) Human Physiology 2
 ZOOL 3530 (3) Control System Physiology

Entry into Master of Occupational Therapy Program**EXAMPLE OF B.H.Sc. FOR ENTRY INTO MASTER OF OCCUPATIONAL THERAPY PROGRAM**

University 1	Year 2	Year 3	Year 4
CHEM 1300 3	SOC 1200 6	PHIL 2740 3	GEOG 4290 3
CHEM 1310 3	CHEM 2210 3	HNSC 1210 3	HMEC 3AAA 3
BIOL 1020 3	CHEM 2360 or MBIO 2360 3	HMEC 2030W 3	HEAL 4XXX 3
BIOL 1030 3	CHEM 2370 or MBIO 2370 3	HEAL 3XXX 3	HEAL 4CBB 3
ECON 1210 3	PHIL 1290 3	NATV 1220W 3	STAT 2000 3
ZOOL 1320 3	GMGT 2070 3	ZOOL 2530 3	FOOD 4540 3
ZOOL 1330 3	HEAL2XXX 3	ZOOL 2540 3	ANTH 4750 3
STAT 1000 3	COMP 1260 3	SWRK 2080 3	CHSC 4010 3
PSYC 1200 6	PSYC 2250 3	SOC 3540 3	ECON 3690 3
		PSYC 2370 3	ENVR 4210 3
Total Credit Hours: 30 Science Cr Hrs:21 Social Science Cr Hrs: 9 Other Cr Hrs: 0	Total Credit Hours: 30 Science Cr Hrs:12 Social Science Cr Hrs:15 Other Cr Hrs: 3	Total Credit Hours: 30 Science Cr Hrs:12 Social Science Cr Hrs: 15 Other Cr Hrs: 3	Total Credit Hours: 30 Science Cr Hrs:6 Social Science Cr Hrs:15 Other Cr Hrs: 9

Science Cr Hrs (21): 60

Social Science Cr Hrs (12):48

List A Cr Hrs (21): 57

3rd & 4th Level Course Cr Hrs (24): 36

□ = Elective courses

▣ = Pre-requisite courses

EXAMPLE OF B.H.St. FOR ENTRY INTO MASTER OF OCCUPATIONAL THERAPY PROGRAM

University 1	Year 2	Year 3	Year 4
SOC 1200 6	PHIL 2740 3	HNSC 1210 3	GEOG 4290 3
PSYC 1200 6	ECON 1210 3	HMEC 2030W 3	HMEC 3AAA 3
STAT 1000 3	ANTH 1210 3	HEAL 3XXX 3	HEAL 4XXX 3
ZOOL 1320 3	ANTH 1220 3	SWRK2080 3	HEAL 4CAA 3
ZOOL 1330 3	GMGT 2070 3	PSYC 2250 3	NATV 3330 3
PHIL 1290 3	HEAL2XXX 3	PSYC 2260 3	ANTH 4750 3
BIOL 1020 3	COMP 1260 3	PSYC 3330 3	CHSC 4010 3
BIOL 1030 3	PSYC 2370 3	SOC 2620 3	NATV 3240 3
	NURS 2610 3	SOC 3540 3	ECON 1220 3
		NATV 1220W 3	STAT 2000 3
Credit Hours: 30 Social Science Cr Hrs:15 Science Cr Hrs: 15 Other Cr Hrs: 0	Credit Hours: 30 Social Science Cr Hrs:21 Science Cr Hrs: 3 Other Cr Hrs: 6	Credit Hours: 30 Social Science Cr Hrs:24 Science Cr Hrs: 3 Other Cr Hrs: 3	Credit Hours: 30 Social Science Cr Hrs: 18 Science Cr Hrs: 3 Other Cr Hrs: 9

Social Science Cr Hrs (21): 87

Science Cr Hrs (12):21

List A Cr Hrs (21): 45

3rd & 4th Level Course Cr Hrs (24): 36

□ = Elective courses

▣ = Pre-requisite courses

FULL COURSE TITLES

ANTH 1210 (3) Human Origins and Antiquity
 ANTH 1220 (3) Cultural Anthropology
 ANTH 4750 (3) The Anthropology of Aging
 BIOL 1020 (3) Biology
 BIOL 1030 (3) Biology
 CHEM 1300 (3) University 1 Chemistry: Structure and Modelling in Chemistry
 CHEM 1310 (3) University 1 Chemistry: An Introduction to Physical Chemistry
 CHEM 2210 (3) Introductory Organic Chemistry 1
 CHEM 2360 (3) Biochemistry 1: Biomolecules and an Introduction to Metabolic Energy
 CHEM 2370 (3) Biochemistry 2 : Catabolism, Synthesis, and Information Pathways
 CHSC 4010 (3) Public Health and Preventative Medicine
 COMP 1260 (3) Introductory Computer Usage 1
 COMP 1270 (3)) Introductory Computer Usage 2
 ECON 1210 (3) Introduction to Canadian Economic Issues and Policies
 ECON 1220 (3) Introduction to Global and Environmental Economic Issues and Policies
 ECON 3690 (3) Economic Issues of Health Policy
 ENVR 4210 (3) Environmental Health 1
 EVDS 1660 (3) History of Culture, Ideas & Environment 1
 FOOD 4540 (3) Functional Foods and Nutraceuticals
 GEOG 4290 (3) Geographies of Health and Health Care
 GMGT 2070 (3) Introduction to Organizational Behaviour
 HEAL 2XXX (3) Integration: Individual Focus
 HEAL 3XXX (3) Integration: Community Focus
 HEAL 4CAA (3) Health Studies Capstone
 HEAL 4CBB (3) Health Sciences Capstone
 HEAL 4XXX (3) Integration: Canada and World Focus
 HMEC 2030W (3) Human Ecology: Perspectives and Communication
 HMEC 3AAA (3) Developmental Health
 HNSC 1210 (3) Nutrition for Health and Changing Lifestyles
 MBIO 2360 (3) Biochemistry 1
 MBIO 2370 (3) Biochemistry 2
 NATV 3240 (3) Native Medicine and Health
 NATV 1220W (3) The Native Peoples of Canada, Part 1
 NATV 3330 (3) Aboriginal People, Science and the Environment
 NURS 2610 (3) Health and Physical Aspects of Aging
 PHIL 1290 (3) Critical Thinking
 PHIL 2740 (3) Ethics in Biomedicine
 PSYC 1200 (6) Introduction to Psychology
 PSYC 2250 (3) Introduction to Psychological Research
 PSYC 2260 (3) Introduction to Research Methods in Psychology

PSYC 2370 (3) Developmental Psychology from Adolescence to Old Age
 PSYC 3330 (3) Elements of Physiological Psychology
 SOC 1200 (6) Introduction to Sociology
 SOC 2620 (3) The Sociology of Aging
 SOC 3540 (3) The Sociology of Health Care Systems
 SOC 3540 (3) The Sociology of Health Care Systems
 STAT 1000 (3) Basic Statistical Analysis 1
 STAT 2000 (3) Basic Statistical Analysis 2

SWRK 2080 (3) Interpersonal Communication Skills
 ZOOL 1320 (3) Human Anatomy
 ZOOL 1330 (3) Physiology of the Human Body
 ZOOL 2530 (3) Human Physiology 1 or ZOOL 3530 (3) Control System Physiology
 ZOOL 2540 (3) Human Physiology 2

Entry into Doctor of Dentistry Program**EXAMPLE OF B.H.Sc. RELATED TO DOCTOR OF DENTISTRY PROGRAM**

University 1	Year 2	Year 3	Year 4
CHEM 1300 3 CHEM 1310 3 BIOL 1020 3 BIOL 1030 3 ZOOL 1320 3 ZOOL 1330 3 PHIL 1290 3 STAT 1000 3 PSYC 1200 6	ENGL 1200W 6 CHEM 2210 3 CHEM 2220 3 PHYS 1020M 3 PHYS 1030M 3 CHEM 2360 or MBIO 2360 3 CHEM 2370 or MBIO 2370 3 GMGT 2070 3 HEAL2XXX 3	PHIL 2740 3 HNSC 1210 3 HMEC 2030W 3 HEAL 3XXX 3 COMP 1260 3 PSYC 2250 3 ECON 1210 3 ZOOL 3530 3 SOC 1200 6	GEOG 4290 3 HMEC 3AAA 3 HEAL 4XXX 3 HEAL 4CBB 3 STAT 2000 3 FOOD 4540 3 ANTH 4750 3 CHSC 4010 3 ECON 3690 3 ENVR 4210 3
Total Credit Hours: 30 Science Cr Hrs:21 Social Science Cr Hrs: 9 Other Cr Hrs: 0	Total Credit Hours: 30 Science Cr Hrs:18 Social Science Cr Hrs:3 Other Cr Hrs: 9	Total Credit Hours: 30 Science Cr Hrs:9 Social Science Cr Hrs: 18 Other Cr Hrs: 3	Total Credit Hours: 30 Science Cr Hrs:6 Social Science Cr Hrs:15 Other Cr Hrs: 9

Science Cr Hrs (21): 63

Social Science Cr Hrs (12):39

List A Cr Hrs (21): 27

3rd & 4th Level Course Cr Hrs (24): 33

□ = Elective courses

■ = Pre-requisite courses

EXAMPLE OF B.H.St. RELATED TO DOCTOR OF DENTISTRY PROGRAM

University 1	Year 2	Year 3	Year 4
SOC 1200 6 PSYC 1200 6 STAT 1000 3 BIOL 1020 3 BIOL 1030 3 PHIL 1290 3 CHEM 1300 3 CHEM 1310 3	ENGL 1200W 6 CHEM 2210 3 CHEM 2220 3 CHEM 2360 or MBIO 2360 3 CHEM 2370 or MBIO 2370 3 PHYS 1020M 3 PHYS 1030M 3 HEAL2XXX 3 PSYC 2250 3	HNSC 1210 3 HMEC 2030W 3 HEAL 3XXX 3 ECON 1210 3 PSYC 3330 3 SOC 2620 3 ANTH 1210 3 ANTH 1220 3 PHIL 2740 3 GMGT 2070 3	GEOG 4290 3 HMEC 3AAA 3 HEAL 4XXX 3 HEAL 4CAA 3 COMP 1260 3 NATV 3330 3 ANTH 4750 3 CHSC 4010 3 ECON 1220 3 SOC 3540 3
Credit Hours: 30 Social Science Cr Hrs:15 Science Cr Hrs: 15 Other Cr Hrs: 0	Credit Hours: 30 Social Science Cr Hrs:15 Science Cr Hrs: 12 Other Cr Hrs: 3	Credit Hours: 30 Social Science Cr Hrs:24 Science Cr Hrs: 3 Other Cr Hrs: 3	Credit Hours: 30 Social Science Cr Hrs: 18 Science Cr Hrs: 3 Other Cr Hrs: 9

Social Science Cr Hrs (21): 72

Science Cr Hrs (12):30

List A Cr Hrs (21): 27

3rd & 4th Level Course Cr Hrs (24): 33

□ = Elective courses

■ = Pre-requisite courses

Need to have CHEM 2210 and CHEM 2220 – It will be necessary for students in the B.H.St. Program to complete additional courses beyond the 120 required credit hours in order to be eligible to apply for the Faculty of Dentistry.

FULL COURSE TITLES

ANTH 1210 (3) Human Origins and Antiquity
 ANTH 1220 (3) Cultural Anthropology
 ANTH 4750 (3) The Anthropology of Aging
 BIOL 1020 (3) Biology
 BIOL 1030 (3) Biology
 CHEM 1300 (3) University 1 Chemistry: Structure and Modelling in Chemistry
 CHEM 1310 (3) University 1 Chemistry: An Introduction to Physical Chemistry
 CHEM 2210 (3) Introductory Organic Chemistry 1: Structure and Function
 CHEM 2220 (3) Introductory Organic Chemistry 2: Reactivity and Synthesis
 CHEM 2360 (3) Biochemistry 1: Biomolecules and an Introduction to Metabolic Energy
 CHEM 2370 (3) Biochemistry 2: Catabolism, Synthesis, and Information Pathways
 CHSC 4010 (3) Public Health and Preventative Medicine
 COMP 1260 (3) Introductory Computer Usage 1
 COMP 1270 (3)) Introductory Computer Usage 2
 ECON 1210 (3) Introduction to Canadian Economic Issues and Policies
 ECON 1220 (3) Introduction to Global and Environmental Economic Issues and Policies
 ECON 3690 (3) Economic Issues of Health Policy
 ENGL 1200W (6) Representative Literary Works
 ENVR 4210 (3) Environmental Health 1
 EVDS 1660 (3) History of Culture, Ideas & Environment 1
 FOOD 4540 (3) Functional Foods and Nutraceuticals
 GEOG 4290 (3) Geographies of Health and Health Care
 GMGT 2070 (3) Introduction to Organizational Behaviour
 HEAL 2XXX (3) Integration: Individual Focus
 HEAL 3XXX (3) Integration: Community Focus
 HEAL 4CAA (3) Health Studies Capstone
 HEAL 4CBB (3) Health Sciences Capstone
 HEAL 4XXX (3) Integration: Canada and World Focus
 HMEC 2030W (3) Human Ecology: Perspectives and Communication
 HMEC 3AAA (3) Developmental Health
 HNSC 1210 (3) Nutrition for Health and Changing Lifestyles
 MBIO 2360 (3) Biochemistry 1: Biomolecules and an Introduction to Metabolic Energy
 MBIO 2370 (3) Biochemistry 2: Catabolism, Synthesis, and Information Pathways
 NATV 1220W (3) The Native Peoples of Canada, Part 1
 NATV 3330 (3) Aboriginal People, Science and the Environment
 PHIL 1290 (3) Critical Thinking
 PHIL 2740 (3) Ethics in Biomedicine
 PHYS 1020M (3) General Physics 1
 PHYS1030M General Physics 2

PSYC 1200 (6) Introduction to Psychology

PSYC 2250 (3) Introduction to Psychological Research
 PSYC 3330 (3) Elements of Physiological Psychology
 SOC 1200 (6) Introduction to Sociology
 SOC 2620 (3) The Sociology of Aging
 SOC 3540 (3) The Sociology of Health Care Systems
 SWRK 2080 (3) Interpersonal Communication Skills
 STAT 1000 (3) Basic Statistical Analysis 1
 STAT 2000 (3) Basic Statistical Analysis 2
 ZOOL 1320 (3) Human Anatomy
 ZOOL 1330 (3) Physiology of the Human Body
 ZOOL 3530 (3) Control System Physiology

Entry into B.Sc. Pharmacy Program

EXAMPLE OF B.H.Sc. RELATED TO B.Sc. PHARMACY PROGRAM

University 1	Year 2	Year 3	Year 4
CHEM 1300 3	CHEM 2360 or MBIO 2360 3	HNSC 1210 3	GEOG 4290 3
CHEM 1310 3	CHEM 2370 or MBIO 2370 3	HMEC 2030W 3	HMEC 3AAA 3
BIOL 1020 3	CHEM 2210 3	HEAL 3XXX 3	HEAL 4XXX 3
BIOL 1030 3	MBIO 2100 3	PHIL 2740 3	HEAL 4CBB 3
MATH 1500M 3	GMGT 2070 3	NATV 1220W 3	HNSC 3330 3
ZOOL 1320 3	HEAL2XXX 3	ZOOL 2530 3	FOOD 4540 3
ZOOL 1330 3	COMP 1260 3	ZOOL 2540 3	ANTH 4750 3
STAT 1000 3	PSYC 2250 3	BOTN 3280 3	CHSC 4010 3
PSYC 1200 6	ECON 1210 3	SOC 3540 3	ECON 3690 3
	PHIL 1290 3	PSYC 2370 3	ENVR 4210 3
Total Credit Hours: 30 Science Cr Hrs:24 Social Science Cr Hrs: 6 Other Cr Hrs: 0	Total Credit Hours: 30 Science Cr Hrs:12 Social Science Cr Hrs:15 Other Cr Hrs: 3	Total Credit Hours: 30 Science Cr Hrs:15 Social Science Cr Hrs: 12 Other Cr Hrs: 3	Total Credit Hours: 30 Science Cr Hrs:6 Social Science Cr Hrs:15 Other Cr Hrs: 9

Science Cr Hrs (21): 63
□ = Elective courses

Social Science Cr Hrs (12):45
□ = Pre-requisite courses

List A Cr Hrs (21): 51

3rd & 4th Level Course Cr Hrs (24): 36

EXAMPLE OF B.H.St. RELATED TO B.Sc. PHARMACY PROGRAM

University 1	Year 2	Year 3	Year 4
SOC 1200 6	ANTH 1210 3	HNSC 1210 3	GEOG 4290 3
PSYC 1200 6	ANTH 1220 3	PHIL 2740 3	HMEC 3AAA 3
MATH 1500 3	HEAL2XXX 3	HMEC 2030W 3	COMP 1260 3
STAT 1000 3	PHIL 1290 3	ECON 1210 3	HEAL 4XXX 3
BIOL 1020 3	CHEM 2210 3	GMGT 2070 3	HEAL 4CAA 3
BIOL 1030 3	MBIO 2100 3	HEAL 3XXX 3	NATV 3330 3
CHEM 1300 3	PSYC 2250 3	SWRK2080 3	ANTH 4750 3
CHEM 1310 3	PSYC 2260 3	SOC 2620 3	CHSC 4010 3
	CHEM 2360 or MBIO 2360 3	SOC 3540 3	NATV 3240 3
	CHEM 2370 or MBIO 2370 3	NATV 1220W 3	ECON 1220 3
Credit Hours: 30 Social Science Cr Hrs:12 Science Cr Hrs: 18 Other Cr Hrs: 0	Credit Hours: 30 Social Science Cr Hrs:15 Science Cr Hrs: 12 Other Cr Hrs: 3	Credit Hours: 30 Social Science Cr Hrs:24 Science Cr Hrs: 3 Other Cr Hrs: 3	Credit Hours: 30 Social Science Cr Hrs: 18 Science Cr Hrs: 3 Other Cr Hrs: 9

Social Science Cr Hrs (21): 81
□ = Elective courses

Science Cr Hrs (12):27
□ = Pre-requisite courses

List A Cr Hrs (21): 48

3rd & 4th Level Course Cr Hrs (24): 33

FULL COURSE TITLES

ANTH 1210 (3) Human Origins and Antiquity
 ANTH 1220 (3) Cultural Anthropology
 ANTH 4750 (3) *The Anthropology of Aging*
 BIOL 1020 (3) Biology
 BIOL 1030 (3) Biology
 BOTN 3280 (3) Medicinal and hallucinogenic Plants
 CHEM 1300 (3) University 1 Chemistry: Structure and Modelling in Chemistry
 CHEM 1310 (3) University 1 Chemistry: An Introduction to Physical Chemistry
 CHEM 2210 (3) Introductory Organic Chemistry 1: Structure and Function
 CHEM 2360 (3) Biochemistry 1: Biomolecules and an Introduction to Metabolic Energy
 CHEM 2370 (3) Biochemistry 2: Catabolism, Synthesis, and Information Pathways
 CHSC 4010 (3) Public Health and Preventative Medicine
 COMP 1260 (3) Introductory Computer Usage 1
 COMP 1270 (3)) Introductory Computer Usage 2
 ECON 1210 (3) Introduction to Canadian Economic Issues and Policies
 ECON 1220 (3) Introduction to Global and Environmental Economic Issues and Policies
 ECON 3690 (3) Economic Issues of Health Policy
 ENVR 4210 (3) Environmental Health 1
 EVDS 1660 (3) History of Culture, Ideas & Environment 1
 FOOD 4540 (3) Functional Foods and Nutraceuticals
 GEOG 4290 (3) Geographies of Health and Health Care
 GNGT 2070 (3) Introduction to Organizational Behaviour
 HEAL 2XXX (3) Integration: Individual Focus
 HEAL 3XXX (3) Integration: Community Focus
 HEAL 4CAA (3) Health Studies Capstone
 HEAL 4CBB (3) Health Sciences Capstone
 HEAL 4XXX (3) Integration: Canada and World Focus
 HMEC 2030W (3) Human Ecology: Perspectives and Communication
 HMEC 3AAA (3) Developmental Health

HNSC 1210 (3) Nutrition for Health and Changing Lifestyles
 HNSC 3330 (3) Vitamins and Minerals in Human Health
 MATH 1500M (3) Introduction to Calculus
 MBIO 2360 (3) Biochemistry 1: Biomolecules and an Introduction to Metabolic Energy
 MBIO 2370 (3) Biochemistry 2: Catabolism, Synthesis, and Information Pathways
 NATV 3240 (3) Native Medicine and Health
 NATV 1220W (3) The Native Peoples of Canada, Part 1
 NATV 3330 (3) Aboriginal People, Science and the Environment
 PHIL 1290 (3) Critical Thinking
 PHIL 2740 (3) Ethics in Biomedicine
 PSYC 1200 (6) Introduction to Psychology
 PSYC 2250 (3) Introduction to Psychological Research
 PSYC 2260 (3) Introduction to Research Methods in Psychology
 PSYC 2370 (3) Developmental Psychology from Adolescence to Old Age
 PSYC 3330 (3) Elements of Physiological Psychology
 SOC 1200 (6) Introduction to Sociology

SOC 2620 (3) The Sociology of Aging
 SOC 3540 (3) The Sociology of Health Care Systems
 SOC 3540 (3) The Sociology of Health Care Systems
 STAT 1000 (3) Basic Statistical Analysis 1
 SWRK 2080 (3) Interpersonal Communication Skills
 ZOOL 1320 (3) Human Anatomy
 ZOOL 1330 (3) Physiology of the Human Body
 ZOOL 2530 (3) Human Physiology 1
 ZOOL 2540 (3) Human Physiology 2
 ZOOL 3530 (3) Control System Physiology

Table 2 (for comment on unique aspects of Manitoba programs see end of page 5)

Comparison of Selected Health Studies/Sciences Program Structures

REQUIRED COURSES

UNIVERSITY OF MANITOBA			UNIVERSITY OF CALGARY - B.S.C.			UNIVERSITY OF OTTAWA		MCMASTER UNIVERSITY	
B.H.Sc.	B.H.Sc.		Biomedical Sciences	Bioinformatics	Health & Society	Bachelor of Health Sciences (Hons)	Bachelor of Health Studies	Bachelor of Health Sciences	
SOC 1200 Introduction to Sociology	CHEM 1300 University Chemistry 1	Biochemistry 393 Introduction to Biochemistry	Biochemistry 393 Introduction to Biochemistry	Biochemistry 393 Introduction to Biochemistry	Biology 231 Introduction to Cellular Biology	ANP1101 Introduction to General Anatomy and Physiology	ANTHROP 2AN3 The Anthropology of Food & Nutrition	BIOLOGY 1A03 Cellular and Molecular Biology	
PSYC 1200 Introduction to Psychology	CHEM 1310 University Chemistry 2	Biochemistry 443 Metabolism and the Synthesis of RNA, DNA and Protein	Biochemistry 443 Metabolism and the Synthesis of RNA, DNA and Protein	Biochemistry 443 Metabolism and the Synthesis of RNA, DNA and Protein	Biology 233 Introduction to Organismic Biology of Plants and Animals	ANP1102 Musculoskeletal Anatomy and Neuroscience	ANTHROP 2U03 Plagues & People	BIOLOGY 1AA3 Biodiversity, Evolution and Ecology	
ANTH 1210 Human Origins and Antiquity	BIOL 1020 Biology	Biology 231 Introduction to Cellular Biology	Biology 231 Introduction to Cellular Biology	Bioinformatics option	Biology 305 H(3-0) The Human Organism	APA2121 Nutrition and Health	ANTHROP 3C03 Health and Environment: Anthropological Approaches	CHEM1A03 Introductory Chemistry 1	
	BIOL 1030 Biology								
ANTH 1220 Cultural Anthropology	ZOOL1320 Human Anatomy	Biology 233 Introduction to Organismic Biology of Plants and Animals	Biology 233 Introduction to Organismic Biology of Plants and Animals	Biology 231 Introduction to Cellular Biology	English-200 level 1/2 course	BAC2100 Microbiology and Immunology	ANTHROP 3Q03 Anthropological Approaches to the Study of Aging	CHEM1AA3 Introductory Chemistry 2	
STAT 1000 Basic Statistical Analysis I	ZOOL1330 Physiology of the Human Body	Cellular, Molecular and Microbial Biology 343 The Life of Bacteria	Cellular, Molecular and Microbial Biology 343 The Life of Bacteria	Chemistry 201 General Chemistry I	Health and Society 201 Introduction to Health and Society	BIO1110 Introduction to Cell Biology	ANTHROP 3Y03 Aboriginal Community Health and Well-being	HTH SCI1E06 Inquiry I	
PHIL1290 Critical Thinking	STAT 1000 Basic Statistical Analysis I	Chemistry 201 General Chemistry I	Chemistry 201 General Chemistry I	Chemistry 203 General Chemistry II	Health and Society 301 Determinants of Health	ENG1100 Workshop in Essay Writing	ANTHROP 3Z03 Medical Anthropology: The Biomedical Approach	HTH SCI1F03 Statistics	
PHIL 2740 Ethics in Biomedicine	PHIL1290 Critical Thinking	Chemistry 203 General Chemistry II	Chemistry 203 General Chemistry II	Chemistry 351 Organic Chemistry I	Health and Society 311 Health Services and Health Systems	ENG1112 Technical Report Writing	ANTHROP 3Z23 Medical Anthropology: Symbolic Healing	HTH SCI1G03 Psychobiology	
ECON 1210 Introduction to Canadian Economic Issues and Policies	PHIL 2740 Ethics in Biomedicine	Chemistry 351 Organic Chemistry I	Chemistry 351 Organic Chemistry I	Chemistry 353 Organic Chemistry II	Health and Society 401 Health Research Methods		ECON 3Z03 Health Economics	SCIENCE 1A00 WHMIS, Health and Safety	
GMGT 2070 Introduction to Organizational Behaviour	ECON 1210 Introduction to Canadian Economic Issues and Policies	Chemistry 353 Organic Chemistry II	Chemistry 353 Organic Chemistry II	Computer Science 002 Advanced Unix	Health and Society 591 Advanced Seminar in Health and Society	CHM1310 Principles of Chemistry	GEO 3HH3 Geography of Health and Health Care	HTH SCI2E03 Inquiry 2	
HNSC 1210 Nutrition for Health and Changing Lifestyles	GMGT 2070 Introduction to Organizational Behaviour	English-200 level 1/2 course	English-200 level 1/2 course	Computer Science 233 Introduction to Computer Science I	Mathematics 251 Calculus I	HSS1101 Determinants of Health	GERONTOL 2B03 The Aging Body	HTH SCI2F03 Human Physiology and Anatomy 1	
GEOG 4290 Geographies of Health & Health Care	HNSC 1210 Nutrition for Health and Changing Lifestyles	Mathematics 251 Calculus I	Mathematics 251 Calculus I	Computer Science 233 Introduction to Computer Science II	Mathematics 249 Introductory Calculus	HSS2101 Health Problems	GERONTOL 3Q03 Anthropological Approaches to the Study of Aging	HTH SCI2FF3 Human Physiology and Anatomy 2.	

UNIVERSITY OF MANITOBA			UNIVERSITY OF CALGARY - B.S.C.			UNIVERSITY OF OTTAWA		MCMASTER UNIVERSITY	
COMP 1260 Introductory Computer Usage 1	GEOG 4290 Geographies of Health & Health Care		Computer Science 265 Computer Architecture and Low-Level Programming		HSS2102 Language, Communication and Health	HEALTHST 1A03 Introduction to Health Studies	HTH SCI2G03 Health Concepts.		
COMP 1270 Introductory Computer Usage 2	COMP 1260 Introductory Computer Usage 1	Medical Humanities Elective	Computer Science 331 Information Structures I	Medical Science 203 Inquiry I Introduction to Inquiry	HSS2121 History of Health Care	HEALTHST 2AA3 Social Identity, Health and Illness	HTH SCI2J03 Health Psychology		
HMEC 2030W Human Ecology: Perspectives & Communication	COMP 1270 Introductory Computer Usage 2	Medical Science 001 Biomedical Methods I: DNA and Protein Analysis	Computer Science 335 Information Structures II	Medical Science 205 Inquiry II	HSS2381 Measurement and Data Analysis	HEALTHST 2B03 Research Methods in Health Studies	HTH SCI 2K03 Cell Biology		
HMEC 3AAA Developmental Health	HMEC 2030W Human Ecology: Perspectives & Communication	Medical Science 002 Biomedical Methods II: Cell Culture and Microscopy	Computer Science 400 level option	Medical Science 303 Inquiry III	HSS3101 Health Research: Quantitative and Qualitative Approaches	HEALTHST 3A03 Health Issues	HTH SCI 3E03 Inquiry 3		
HEAL2XXX Integration: Individual Focus	HMEC 3AAA Developmental Health	Medical Science 203 Inquiry I Introduction to Inquiry	Computer Science 461 Information Structures III	Medical Science 305 Inquiry IV	HSS3106 Introduction to Pharmacology	HEALTHST 3AA3 State, Civil Society and Health	HTH SCI 3G03 Health Interventions.		
HEAL3XXX Integration: Community Focus	HEAL2XXX Integration: Individual Focus	Medical Science 205 Inquiry II	Computer Science 471 Database Management Systems	Medical Science 403 Inquiry V	HSS3303 Environment and Health	HEALTHST 3G03 Applied Methods in Health Studies Research	HTH SCI 3GG3 Health Systems and Health Policy.		
HEAL4XXX Integration: Canada and World Focus	HEAL3XXX Integration: Community Focus	Medical Science 303 Inquiry III	Computer Science 500 option	Medical Science 405 Inquiry VI	HSS3321 Sociology of Health	HEALTHST 4A03 Research Seminar	HTH SCI 3H03 Inquiry Project		
HEAL4CAA Health Studies Capstone	HEAL4XXX Integration: Canada and World Focus	Medical Science 305 Inquiry IV	English-200 level 1/2 course	Medical Science 504 Research Project I	HSS4101 Development and Evaluation of Health Care Programs	HEALTHST 4C03 Representations of Health and Illness	HTH SCI 4A09 Thesis. OR HTH SCI 4B06 Senior Project.		
	HEAL 4CBB Health Sciences Capstone	Medical Science 351 honours Cellular and Molecular Biology	Mathematics 221 Linear Algebra for Scientists and Engineers	Medical Science 506 Research Project II	HSS4303 Introduction to Epidemiology	HEALTHST 4D03 Health in Cross Cultural and International Perspectives			
		Medical Science 341 Principles of Human Genetics	Mathematics 251 Calculus I OR Mathematics 249 Introductory Calculus		PHI1101 Reasoning and Critical Thinking	HISTORY 3V03 Madness in the Age of Reason: Mental Illness and Society from 1750 to the Present Day	HTH SCI 4X03 Collaboration and Peer Tutoring		
		Medical Science 402 Organismal Biology			PHI1370 Philosophical Issues in Health Care OR PHI2396 Bioethics	HTH SCI 2G03 Health Concepts			
		Medical Science 403 Inquiry V				HTH SCI 2J03 Health Psychology			
		Medical Science 404 Integrative Human Physiology	Mathematics 271 Discrete Mathematics			HUMAN 2C03 Critical Thinking			
		Medical Science 405 Inquiry VI	Medical Science 001 Biomedical Methods I: DNA and Protein Analysis		PSY1101 Introduction to Experimental Psychology	INDIG ST 3H03 Traditional Approaches to Healing and Wellness I (Philosophy)			
		Medical Science 407 Statistics and Research Design in Health Sciences	Medical Science 002 Biomedical Methods II: Cell Culture and Microscopy		PSY2114 Lifespan Psychology	INDIG ST 3HH3 Traditional Approaches to Healing and Wellness II (Practical)			

UNIVERSITY OF MANITOBA	UNIVERSITY OF CALGARY - B.SC.			UNIVERSITY OF OTTAWA	MCMASTER UNIVERSITY	
	Medical Science 501 Principles and Mechanisms of Pharmacology	Medical Science 203 Inquiry I Introduction to Inquiry		SOC1101 Principles of Sociology	KINESIOL 3A03 History of Physical Culture and Sports Medicine	
	Medical Science 504 Research Project I	Medical Science 205 Inquiry II			KINESIOL 3SS3 Body, Mind and Spirit	
	Medical Science 506 Research Project II	Medical Science 303 Inquiry III			PHILOS 2D03 Moral Issues	
	Physics 211 Mechanics	Medical Science 305 Inquiry IV			PHILOS 3C03 Advanced Bioethics	
	Physics 223 Introductory Electromagnetism, and Thermal Physics	Medical Science 341 Principles of Human Genetics			PSYCH 3B03 Special Populations	
		Medical Science 351 honours Cellular and Molecular Biology			PSYCH 3N03 Abnormal Psychology I (Fundamentals)	
		Medical Science 401 Bioinformatics			PSYCH 3NN3 Abnormal Psychology II (Major Disorders)	
		Medical Science 404 Integrative Human Physiology			RELIG ST 2C03 Moral Issues	
		Medical Science 403 Inquiry V			RELIG ST 2M03 Death and Dying: Comparative Views	
		Medical Science 405 Inquiry VI			RELIG ST 2N03 Death and Dying: The Western Experience	
		Medical Science 504 Research Project I			RELIG ST 2WW3 Health, Healing and Religion	
		Medical Science 506 Research Project II			SOC SCI 2J03 Introduction to Statistics	
		Software Engineering 311 Principles of Software Engineering			OR STATS 1CC3 Introductory Computer-Aided Statistics	
					SOC WORK 3C03 Social Aspects of Health and Illness	
					SOC WORK 3O03 Human Sexuality in Social Context	
					SOCIOL 3G03 Sociology of Health Care	
					SOCIOL 3HH3 Sociology of Health	
					WOMEN ST 2HH3 Women's Health: A Socio-cultural Perspective	

Report of the Senate Planning and Priorities Committee on the proposal to introduce a Bachelor of Health Sciences/Bachelor of Health Studies

Preamble

1. The terms of reference of the Senate Planning and Priorities Committee (SPPC) are found in the *Senate Handbook*, Section 8.32, wherein SPPC is charged with making recommendations to Senate regarding proposed academic programs.
2. The Faculties Councils of Arts, Science and Human Ecology have approved the proposal for a Bachelor of Health Sciences/Bachelor in Health Studies Program and recommend that Senate approve the proposal.

Observations

1. It is important to note that three academic units have come together to propose this, timely, collaborative multi-faculty, interdisciplinary Bachelor Program. It is built on the combined knowledge in arts and science that address health issues and new courses that are based on knowledge content that combines the application of biological and social sciences to a broader definition of health and health promotion. The proposed program will provide access for students to a unique mixture of expertise in the three academic units, and a wide range of subject areas related to health sciences.
2. The documentation indicates that the applicants have consulted widely and indicated there is a great deal of support for this initiative from many Faculties and Departments across the University. The applicants have demonstrated the need for this program to prepare students to pursue studies the health service professions and to meet current and future labor force needs in regional health authorities in Manitoba and other parts of Canada.
3. The applicants have proposed an appropriate workable governance structure for this unique multi-faculty program which would function under the leadership of the Faculty of Human Ecology. The committee noted that the program will require a great deal of collaborative participation in all aspects of the program administration for this program to function effectively.
4. This program will require an additional \$120,000 to deliver the proposed five new courses, to provide administrative/advising support, to deliver linking courses, for the initial purchase of new library material and the annual of costs of library material. The committee expressed some concern that the costs estimates may underestimate the amount of time and cost necessary for the administrative/advising support for this proposed program.

5. The committee noted that this program was an efficient innovative way to respond to the nature of the need for this educational program. Further the committee observed that because of the significant need for additional resources to implement this program that new resources for this program should be sought from the Council on Post-Secondary Education.

Recommendations:

The SPPC recommends that:

Senate approve and recommend to the Board of Governors that it approve the introduction of a Bachelor of Health Sciences and Bachelor of Health Studies Program but that The Vice-President (Academic) and Provost not implement the program until he is satisfied that sufficient new funding is in place to fund the implementation and on-going operation of the program.

Respectfully submitted,

Norman Hunter, Chair
Senate Planning and Priorities Committee

Report of the Senate Committee on Curriculum and Course Changes on a Curriculum and Program review from the Faculties of Arts, Science and Human Ecology for a Bachelor of Health Sciences/Bachelor of Health Studies

Preamble

1. The terms of reference for the Senate Committee on Curriculum and Course Changes (SCCCC) are found in section 8.21 of the *Senate Handbook*. SCCCC is "to recommend to Senate on the introduction, modification or abolition of undergraduate programs curricula or courses".
2. The Senate Committee on Curriculum and Course Changes met on January 20, 2006 to consider a proposal from the Faculties of Arts, Science and Human Ecology for a Bachelor in Health Sciences degree and a Bachelor in Health Studies degree.

Observations

1. The initial concept for an Interdisciplinary Health curriculum was first discussed in 2003 by the Health Curriculum Advisory Committee. A single degree program was envisioned.
2. Meetings with stakeholders determined that content could not be delivered in a 4-year degree. Thus, two degree programs that are closely linked in content were developed. Having two programs will allow students flexibility in course choices and scheduling of courses.
3. The program will be housed in the Faculty of Human Ecology. Students will be admitted to the Faculty and follow the academic regulations. However, there is an Interdisciplinary Health Program Committee that may recommend to the Faculty of Human Ecology adjustments to the academic regulations over time for students within the programs.
4. The Interdisciplinary Health Program Committee consists of members from the Faculties of Arts, Human Ecology, and Science, as well as representatives identified by faculties or schools participating in the Interdisciplinary Health Curriculum and students. This Committee will make decisions regarding the program. The Faculty Council of Human Ecology will present the recommendations of the Interdisciplinary Health Program Committee to Senate and its committees as required.
5. The degrees will be a Bachelor of Health Sciences and a Bachelor of Health Studies. These credentials were chosen as these degree programs are clearly distinct and are used at other universities.
6. The program is designed to allow students flexibility in course choices. This will require students meet with an advisor to ensure all program requirements are met. Human Ecology acknowledges this need, but feels it has processes in place to deal with the demand. For example, students are presently required to attend an orientation when first entering the Faculty, and they must also attend a planning session, each year prior to registering. These processes should help to manage the students programs.

7. Once staff are hired for the courses being introduced, more in-depth course outlines are to be provided to the Office of the University Secretary.
8. A statement of support for the proposed course and program changes has been received from the Libraries.
9. Letters of support for the two degree programs have been received from the Department of Native Studies. Additionally, support has been received from the School of Medical Rehabilitation, Faculty of Management, Faculty of Agricultural and Food Sciences, Faculty of Dentistry, Faculty of Architecture, and the Faculty of Social Work.

Recommendation

The Senate Committee on Curriculum and Course Changes recommends:

1. That Senate approve and recommend that the Board of Governors approve the Bachelor of Health Sciences and Bachelor of Health Studies Programs.
2. That Senate approve the proposed course changes from the Faculty of Human Ecology, as listed below.

Respectfully submitted,

Dean B. L. Dronzek, Chair
Senate Committee on Curriculum and Course Changes

/nis

Courses to be introduced:

Effective 2006-2007

HEAL 2XXX Integration of Health Determinants of Individuals +3

Students study, integrate and apply the determinants that affect the health of individuals throughout the life span to selected case or learning scenarios. The case or learning scenarios present a variety of issues in the delivery of health-related services that are intended to benefit individual health. Pre-requisites: All courses required in the first year in University 1 for the Curriculum for Interdisciplinary Health or consent of instructor.

HEAL 3XXX Integration of Health Determinants for Communities +3

Students study, integrate and use community level determinants of population health in selected case or learning scenarios. These cases present a variety of issues in the design of health related services that intended to benefit population health. Pre-requisites: HEAL 2XXX and 54 credit hours in the Curriculum of Interdisciplinary Health or consent of instructor.

HEAL 4XXX Integration of Health Determinants for Canada and World +3

Students use selected case or learning scenarios to study the determinants of population health that depend on decision making in governmental or international agencies. The case scenarios

present a variety of issues in the governance and management of population health. Pre-requisites: HEAL 2XXX, HEAL 3XXX and 84 credit hours in the Curriculum for Interdisciplinary Health or consent of instructor.

HEAL 4CAA Health Studies Capstone +3

Students will explore selected topics from the social sciences to synthesize and evaluate actions that can affect the health of people. The course summarizes the social sciences knowledge that forms the basis for all health related professional work. Pre-requisite: HEAL 2XXX, HEAL 3XXX and 84 credit hours in the Curriculum for Interdisciplinary Health or consent of instructor.

HEAL 4CBB Health Sciences Capstone +3

Students will explore selected topics from the biological sciences to synthesize and evaluate actions that can affect the health of people. The course summarizes the biological science knowledge that forms the basis for all health related professional work. Pre-requisite: HEAL 2XXX, HEAL 3XXX and 84 credit hours in the Curriculum for Interdisciplinary Health or consent of instructor.

Course to be modified:

Effective 2006-2007

HMEC 4090 Practicum in Human Ecology

In partnership with a professional field supervisor, students work in a supervised setting related to health or social services. The work opportunities may be in business, government or community agencies in which professionals have a role and responsibility. Students also have in-class experiences and assignments with an academic instructor. Pre-requisite: consent of instructor and 84 credit hours in either the Human Ecology program or Curriculum for Interdisciplinary Health. Limited enrollment. Application required.

NET CHANGE IN CREDIT HOURS: +15

Report of the Programs and Planning Committee of the Faculty of Graduate Studies on course proposals/modifications/deletions.

Preamble

The Programs and Planning Committee (PPC) of the Faculty of Graduate Studies has the responsibility of reviewing graduate course deletions, modifications and introductions and makes recommendations to FGS Council. PPC met on November 29, 2005 and made the following recommendations regarding the introduction of a course in the Faculty of Medicine.

Observations

1. Number of courses to be introduced in the Faculty of Medicine: one (1) – Pathology.
2. The course introduction has been approved by the Faculty of Medicine's Faculty Council Committee.
3. The Statement of Library Support is pending. FGS expects to receive it in early March 2006.

Recommendation

The Programs and Planning Committee of the Faculty of Graduate Studies recommends that the Faculty Council of Graduate Studies endorse the course change as indicated below to Senate for approval.

FACULTY OF MEDICINE

PATHOLOGY

Course to be introduced: PATH.7XX0 Pathologists' Assistant Program (20)

The Field Practicum is extensive hands-on training in Anatomic Pathology as it relates to the methods and theory of Surgical and Autopsy Pathology. Emphasis is on examination, specimen preparation, dissection techniques and tissue selection as it relates to accurate diagnosis, prognosis, and patient management. The Field Practicum extends over three terms in year one and two terms in year two with an equivalent of 4 cr. hrs. per term.

Comments of the Senate Executive Committee:

The Senate Executive Committee endorses the report to Senate.

Net Change in Credit Hours: + 20 Preamble

**Report of the Programs and Planning Committee of the Faculty of Graduate Studies on
course proposals/modifications/deletions.**

*The course changes were endorsed by the Executive Committee of the Faculty of Graduate
Studies on February 9, 2006. Faculty Council Feb. 27/06.*

April 10, 2006

Report of the Senate Planning and Priorities Committee on Course Changes in the Faculty of Graduate Studies

Preamble

1. The terms of reference of the Senate Planning and Priorities Committee (SPPC) are found in the *Senate Handbook*, Section 8.32, wherein SPPC is charged with making recommendations to Senate regarding proposed academic programs.
2. The Programs and Planning Committee (PPC) of the Faculty of Graduate Studies (FGS) has the responsibility of reviewing graduate course deletions, modifications and introductions, and makes recommendations to FGS Council.
3. The FGS proposes course changes in (and on behalf of) the Faculty of Medicine, as recommended by the PPC.

Observations

1. Reports received from the PPC show that (a) all of the proposed course changes received prior approval from the sponsoring departments, schools, and faculties, and (b) library support was adequate for every proposed change.
2. In the Faculty of Medicine, one course will be introduced (+20 credit hours) to enhance hands-on training in autopsy and surgical pathology. At the inception of the Pathologists' Assistant Program, a Field Practicum had not been clearly defined. This course will allow differentiation between the Practicum courses and the Field Practicum course. No new resources are required.

Recommendation

The SPPC recommends that:

Senate approve approve the proposed course change in the Faculty of Graduate Studies.

Respectfully submitted,

Norm Hunter, Chair
Senate Planning and Priorities Committee

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Report of the Senate Committee on Instruction and Evaluation

Preamble

1. The terms of reference for the Senate Committee on Instruction and Evaluation (SCIE) are found in Section 8.26 of the *Senate Handbook*.
2. The Committee met on April 7th to consider proposals from various units of modifications to rules for academic standing.

Observations

1. The implementation of the Aurora Student Information system has provided an opportunity for faculties and schools to reconsider their rules for assessing the academic standing of students. Accordingly, several faculties and schools have decided to adjust their academic standing rules based on the functionality available in Aurora. Other faculties have chosen not to change their rules, and will therefore manually assess academic standing through the generation of reports.
2. Faculties and schools presently use many different phrases to describe the various stages of academic standing. The Registrar's Office recommends that this terminology be standardized on a university-wide basis so that students will have one set of terminology on their transcripts and so that there will be uniformity as students move from one program and one faculty to another.
3. Proposals for the modification of academic standing rules from the Faculties of Architecture, Arts, Engineering, Clayton H. Riddell Faculty of Environment, Earth, and Resources, Human Ecology, Music, Physical Education and Recreation Studies, Nursing, Science, Social Work, the School of Art, Extended Education and University 1 have been reviewed and recommended by the Committee. The details of the proposals are outlined the recommendations section of this report.

Recommendations

The Senate Committee on Instruction and Evaluation recommends that the following rules for academic standing be approved by Senate:

Faculty of Architecture

Qualifications for Graduation

To be eligible for the degree of Bachelor of Environmental Design a student must successfully complete 101 credit hours of course work with a passing grade in each course and have attained a Degree Grade Point Average (DGPA) of at least 2.0 (C).

Students who do not achieve the minimum passing grade for each course or do not meet the 2.0 (C) Term Grade Point Average (TGPA) requirement will be permitted only one more attempt to achieve the scholastic performance levels.

Students who fail to achieve the minimum passing grade and/or the minimum TGPA on the second attempt will be placed on academic suspension. (see section below)

Dean's Honour List

To qualify for the Dean's Honour List as student must register for and successfully complete at least 80 percent of a full year's course work, and attain a minimum TGPA of 3.5. The notation "Dean's Honour List" will be inscribed on the Student History.

Probation and Academic Suspension

1. Failure to meet the minimum TGPA of 2.0 (C) will result in a student being placed on probation. A student with a TGPA of less than 1.5 shall be required to withdraw permanently from the program.
2. A student's status is determined at the end of each term following final examinations.
3. Students on probation are required to meet with an advisor to discuss their program prior to their next registration. When next assessed, students must exceed the minimum TGPA (2.0) to be moved from probation, or they will be placed on academic suspension.
4. Students placed on academic suspension will be required to withdraw from the program for a minimum of one (1) academic year. They may be required to complete a remedial program designed by the ED Program Coordinator. They will normally be permitted to apply for re-entry to the Environmental Design Program after one year has elapsed; such application should be made in writing before July 1.

Reinstatement is not automatic, but subject to review by the ED Program Coordinator.

The prime purpose of the remedial program is to remove the status of Academic Suspension so he/she can complete the BED degree, or pursue career studies at another Faculty or University.

General Regulations and Policy

Students should also make themselves familiar with the General Academic Regulations and Policies described in the current Undergraduate Calendar.

Grade Points

Quality of academic work is indicated by Grade Points. Grade Points are assigned to each of the letter grades to provide a means for determining a student's performance level, Term, Degree and Program Grade Point standing and eligibility for graduation.

Calculating the Grade Point Average

The TGPA (Term Grade Point Average) is calculated on the basis of all credit courses attempted during the Term.

The DGPA (Degree Grade Point Average) is calculated on the basis of all credit courses attempted applicable to the degree, including courses approved for transfer credit from other Faculties, both at the University of Manitoba and elsewhere.

Repeating a Course

A student may repeat any required course for the purposes of attaining a better grade, provided he/she is eligible to proceed and such repetition does not introduce a conflict with the student's lecture, studio and/or examination schedule.

A failed Elective course may either be repeated or another Elective substituted from the list of approved Electives available from the ED Program Student Advisor.

Students who repeat a course will receive credit only once- based on the latest grade- not the highest grade. All other grades for repeat courses will remain on a student's academic record but will be eliminated from Hours passed, Hours earned, GPA hours, GPA calculation, but will be included in credit hours attempted.

Attendance

Students must attend all lectures, laboratories and studios in accordance with the sections assigned on the University of Manitoba Website. Students who attend the wrong section or course will receive a grade of F or F/NP. Students must also attend and participate in all final studio reviews.

Voluntary Withdrawal

The onus for initiating Voluntary Withdrawal from a course rests solely with a student. Neither a verbal request nor discontinuance from class attendance will suffice. Students who do not follow this procedure will receive a grade of F or F/NP in the course. The deadlines for Voluntary Withdrawal are listed in the current Undergraduate Calendar and on the University of Manitoba Website.

Incomplete

Students who are unable to complete the term's work prescribed in a course must contact the

instructor prior to the end of lectures for consideration (based on medical or compassionate reasons) of an Incomplete Grade and a time extension for work completion.

In the event a student is unable to complete the term's work due to medical reasons, a medical certificate (indicating the period of illness or time the student is able to return to classes) should be submitted to the ED Program Student Advisor as soon as possible.

In no case will the satisfaction of the Incomplete course requirements cause a grade to be lowered. However, if a student does not present the outstanding work by the stipulated deadline, his/her opportunity to improve the grade will lapse.

The following maximum time extensions are allowed:

August 1 for courses terminated in April
December 1 for courses terminated in May/August
April 1 for courses terminated in December

All registration and registration revisions must be completed by the student through the University of Manitoba web registration before the stipulated deadlines.

School of Art

Each student, whether in the Diploma or Degree programs, will be assessed at the end of each term with a TGPA = 2.0. For those students falling below 2.0, an Academic Warning will appear on their record.

Dean's Honour List will be calculated on the basis on a minimum 9 credit hours each term for students achieving a 3.3 TGPA.

Faculty of Arts

Academic Standing

Academic Standing is determined by the number of unsatisfactory/satisfactory credit hours.

Satisfactory Grades are C- A+

Unsatisfactory Grades are F-D

Completed Credit Hours	Good Standing		Warning		Serious Warning	
	Cr. Hrs of Satisfactory	Cr. Hrs of Unsatisfactory	Cr. Hrs of Satisfactory	Cr. Hrs of Unsatisfactory	Cr. Hrs of Satisfactory	Cr. Hrs of Unsatisfactory
3-30	15	15	12	18	6	24
31-48	33	15	30	18	24	24
49-66	51	15	48	18	42	24
67-84	69	15	66	18	54	30
85-102	87	15	84	18	72	30
103-120	105	15	102	18	90	30
121-138	123	15	120	18	108	30
139-156	141	15	138	18	126	30

Students who are assessed on Warning and Serious Warning will be individually advised regarding their status and provided with information on the various services provided by the Learning Assistance Centre. Students on Serious Warning will be blocked from further registrations until they have consulted with a student advisor. Students who fail more than 30 credit hours shall be placed on academic suspension.

Students who accumulate more than 42 credit hours of D's or 42 credit hours of D's and F's shall be placed on academic suspension.

Students who are placed on academic suspension have this fact noted on their transcript.

Listed below are the new academic standing rules approved by the Arts Faculty Council on February 8, 2006.

5.14 Maximum Number of "F" and "D" Grades Permitted on Courses Acceptable for Credit in Arts

Each student in the Faculty of Arts will be placed on academic suspension if they have:

>30 credit hours of F grades, or

>42 credit hours of a combination of F and D grades

Following the one year suspension, the student may apply to the Dean's Office to return to the Faculty by selecting one of the following irreversible options:

- (a) to continue with no possibility of further "F" or "D" grades. Any further "F" or "D" grades will result in academic suspension for two years. Following the two year suspension, the student may apply to the Dean's Office to return to start afresh.
- Or
- (b) start afresh, with their previous work not counting towards satisfying degree requirements.

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

These limits are subject to a maximum of 12 credit hours of repeat courses.

Faculty of Engineering

Student Progress and Academic Status

Good Academic Standing

A student with a Cumulative Grade Point Average (CGPA) of 2.00 or higher is in *Good Academic Standing*.

Academic Warning Letter

The first time the student's CGPA drops below 2.00, he/she will receive an explicit warning letter advising them to seek counselling or participate in support programs/workshops offered by the Student Resource Services. When receiving such a letter, students should speak with and Academic Advisor.

Academic Probation

The second time that a student's CGPA drops below 2.00, the student will be placed on *Academic Probation*.

Ineligible to take Engineering Courses for One Year

The third time that a student's CGPA drops below 2.00, the student will be *Ineligible to take Engineering Courses for One Year*.

Ineligible to take Engineering Courses for One Year puts a student "on hold" to resolve their issues, and prepare to return in a frame of mind suitable for academic success. After one academic year "on hold", written application for reinstatement may be submitted to the associate dean (undergraduate program). Applications must be made by August 15, for reinstatement by September 1.

Ineligible to Proceed in Engineering

The fourth time that a student's CGPA drops below 2.00, the student will be *Ineligible to Proceed in Engineering*.

The Faculty also proposes the replacement of references to Sessional Grade Point Averages with Term Grade Point Averages, the replacement of references to Cumulative Grade Point Averages with University of Manitoba Cumulative Grade Point Averages, and the deletion of references to Evaluation Grade Point Averages. The Faculty also proposes the deletion of section 4.12 of the Faculty of Engineering Regulations, related to Withdrawal from Courses.

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

Modifications to Degree Regulations Applicable to All Programs in the Clayton H. Riddell Faculty of Environment, Earth and Resources

- Assessment will take place after each term only if a student completes more than 4.0 credit hours in any given term.
- Degree Grade Point Average (DGPA) will be used instead of the former Cumulative GPA.

Repeated Courses and Attempted Credit Hours

Each Grade received for a repeated course will appear on the transcript and only the grade achieved from the last attempt will be used for all GPA calculations, unless otherwise stipulated by the degree program.

Dean's Honour List is modified to be evaluated by term on Term GPA basis.

Probationary Warning, Probation and Academic Suspension

Assessment will take place after each term only if a student completes more than 4.0 credit hours in any given term.

A student will receive a probationary warning if, at the point of assessment following the term, he/she fails to achieve the required minimum performance level. The notation "Probationary Warning" will be recorded on the student's transcript of marks.

While on probationary warning, students in the Faculty are permitted to register for two additional terms up to a maximum of 30 credit hours to attain the minimum performance requirements. Those who fail to meet this standard will be placed on probation for the next two terms of registration. The notation, "On Probation", will be recorded on the student's transcript of marks.

While on probation, students are permitted to register for two additional terms up to a maximum of 30 credit hours to attain the minimum performance requirements. Those who fail

to meet this standard will be placed on academic suspension for one year. The notation, "Academic Suspension for One Year", will be recorded on the student's transcript of marks. A student placed on academic suspension is not allowed to register in the Clayton H. Riddell Faculty of Environment, Earth, and Resources during the suspension.

Students in the Honours, Advanced or Major degree programs who do not meet the minimum performance requirements will be withdrawn from their existing program and placed in the General degree. Students who do not meet the minimum performance requirements for the General degree program will receive a probationary warning, be placed on probation or academic suspension. Students withdrawn from the Honours, Advanced or Major degree program will have the notation, "Required to Withdraw from the Honours, Advanced or Major Program", recorded on their transcript of marks.

A student will be placed on academic suspension for two years under the following circumstances:

- Upon return from one year suspension, the student fails to attain a 2.00 DGPA following two terms after the probationary assessment (see the Faculty student advisor for information).
- The Faculty calculates that it is mathematically impossible for the student to clear his/her probationary standing by the following assessment period.
- The student exceeds the maximum number of credit hours of failed and/or repeated courses.

The notation, "Academic Suspension for Two Years", will be recorded on the student's transcript of marks. Those serving two-year suspensions are required to start the degree afresh should they choose to return to the Clayton H. Riddell Faculty of Environment, Earth, and Resources. Students may appeal for transfer credit of up to 30 credit hours in courses which a minimum grade of "C" was achieved.

Students should consult with a student advisor for further assistance in clearing their probationary warning, probation or suspension.

Modification to the Bachelor of Arts in Geography Degree Regulations and Program Description

The following Degree Standards table replaces the Minimum Performance Table:

Credit Hours	Minimum DGPA
24-30	1.80
33-45	1.85
48-60	1.90

63-75	1.95
78-90	2.00
93+	2.00

In addition, students:

- will no longer need to declare a minor after completion of 51 credit hours
- will no longer need to have completed 5 subject fields within 60 credit hours

Modifications to the Bachelor of Geological Sciences- Geology and Geophysics Degree Regulations and Program Descriptions

No longer using Minimum Performance table for entrance and continuation, move to the following:

Geological Sciences Entry and Continuation Requirements

Degree Program in B.Sc. Geological Sciences	Minimum DGPA	Additional Entry and Continuation Requirements
Major (Geology)	2.00	GEOL 1340 or GEOL 1440 and one of GEOL 1350, GEOL 1360 or GEOL 1370 with a minimum average grade of "C+"
Major (Geophysics)	2.00	GEOL 1340 or GEOL 1440 and one of GEOL 1350, GEOL 1360 or GEOL 1370 with a minimum average grade of "C+" PHYS 1050 (C+) [or PHYS 1020 (B)], PHYS 1070 (C), MATH 1510 (C+) and MATH 1710 (C) [or MATH 1500 (C+) and MATH 1700 (C)]
Honours Geology	3.00	GEOL 1340 or GEOL 1440 and one of GEOL 1350, GEOL 1360 or GEOL 1370 with a minimum average grade of "B"
Honours Geophysics	2.80	GEOL 1340 or GEOL 1440 and one of GEOL 1350, GEOL 1360 or GEOL 1370 with a minimum average grade of "B" PHYS 1050 (B) [or PHYS 1020 (B+)], PHYS 1070 (B), MATH 1510 (B) and MATH 1710 (B) [or MATH 1500 (B) and MATH 1700 (B)]

Dean's Honour List

Students enrolled in a minimum of 12 credit hours of course work during a term and achieve a Term Grade Point Average of 3.50 or higher will be placed on the Dean's Honour List.

Faculty of Human Ecology

The Faculty of Human Ecology will continue to assess student standing in May based on Degree GPA (DGPA).

The Dean's Honour List will be run at the end of each term and students who attain a minimum GPA of 3.5 in at least 12 credit hours will be put on the list.

Faculty of Music

Scholastic Progress

Within the first week of the term, students will be informed of the organization of materials, the nature and timing of testing, and the proportionate weighting of marks that contribute to the final grade in all academic courses at the Faculty of Music. Regulations regarding the grading of all practical courses at the Faculty of Music, are contained in the Student Handbook; special attention is called to the Recital and Master Class Attendance Policy which is an integral part of the grading system for Major Practical Study in each year of the program.

A grade of "C" or better is required in each Music course throughout the Bachelor of Music program, except where the Faculty of Music Handbook states otherwise. Students who take Music elective courses and fail to achieve a minimum grade of "C" in them should repeat these courses. Due to the system of rotating electives, this may not be possible and in such a case another approved Music elective may be substituted.

Supplemental examinations are not normally given in the Faculty of Music, with the following exception: where a jury mark of "D" has been assigned in Major Practical Study, the juried examination may be reheard prior to the next registration.

A term Grade Point Average of less than 2.0 or failure to achieve a grade of "C" or better in two Music courses will result in a student being placed on probation. A student failing to equal or exceed the minimum academic level by the end of the next term following probationary assignment will be placed on academic suspension.

Each student is permitted a maximum 21 credit hours of failed Music courses in the Bachelor of Music Program. Students will not be permitted to register for a required Music course more than twice without the permission of the Dean.

Dean's Honour List

B.Mus. students who achieve a term Grade Point Average of 3.55 and are registered in a minimum of nine credit hours per term will be eligible for the Dean's Honour List. Students who are granted incomplete or deferred status will not be eligible.

Faculty of Physical Education and Recreation Studies

Undergraduate programs in the Faculty of Physical Education and Recreation Studies adopt a Straight Term GPA Model of Academic Assessment, and that the cut-off term GPA to remain in Good Standing be 2.0. Students with a term GPA of less than 2.0 will be given an academic warning, and will be reinstated in Good Standing provided their following Term GPA is 2.0 or greater. Students who fail to be reinstated will be placed on Probation. Students on probation will be reinstated to Satisfactory Standing provided their next Term GPA is 2.0 or greater; if their Term GPA is less than 2.0 they will be given a suspension warning. Following a suspension warning, students may be reinstated to Satisfactory Standing (term GPA 2.0+) or placed on Suspension (GPA < 2.0).

Dean's Honour List

The criteria for inclusion on the Dean's Honour List in the undergraduate programs in the Faculty of Physical Education and Recreation Studies be a Term GPA (including Letter of Permission courses) of 3.5 or greater, with a minimum course load of 12 credit hours.

Faculty of Nursing

Voluntary withdrawal/Limited Access

Students admitted in September, 2004 and later are allowed only one voluntary withdrawal per nursing course in the Faculty of Nursing.

Dean's Honour List

Students who achieve a minimum Term GPA of 3.5, including courses taken on a Letter of Permission, and who are registered for a minimum of 12 credit hours, will be placed on the Dean's Honour List. (Note: Dean's Honour List will be determined after each term of study)

Scholastic Progress

Students entering second, third and fourth years of the Four-Year Baccalaureate Nursing Program must have a minimum Degree GPA of 2.5 to proceed in the program and a minimum Program GPA of 2.5 to be eligible for graduation. For further information, refer to: Academic Probation - Four-Year Baccalaureate Nursing Program.

Students in the Baccalaureate Program for Registered Nurses must have a minimum Degree

GPA of 2.5 to proceed in the program and a minimum Program GPA of 2.5 to be eligible for graduation. For further information, refer to: Academic Probation - Baccalaureate Nursing Program for Registered Nurses.

Probation and Suspension

Students enrolled in the Four-Year Baccalaureate Nursing Program will be assessed after the Winter Term upon completion of a minimum of 24 credit hours. Students failing to achieve the minimum Degree GPA of 2.5 will be placed on probationary status.

Probationary students will be assessed at the end of Winter Term after completion of a minimum of 15 credit hours. Students failing to achieve the minimum Degree GPA of 2.5 will be placed on academic suspension.

With special permission of the Associate Dean, Undergraduate Programs, Faculty of Nursing, a student on probation can request an early review of academic progress based on completion of a minimum of 15 credit hours.

Students enrolled in the Baccalaureate Program for Registered Nurses will be assessed after the Winter Term upon completion of a minimum of 18 credit hours. Students failing to achieve the minimum Degree GPA of 2.5 will be placed on probationary status.

Probationary students will be assessed at the end on the Winter Term after completion of a minimum of 15 credit hours. Students failing to achieve the minimum Degree GPA of 2.5 will be placed on academic suspension.

Faculty of Science

3 year General Degree

To remain in Good Academic Standing the student must maintain a Cumulative GPA (CGPA) of 2.0 or greater at every point of assessment after transiting in to Science. Assessment will take place after Fall, Winter, Summer 1 and Summer 2 Terms. If the CGPA is less than 2.0 at any point of assessment, the student will receive an **Academic Warning** which will appear in his/her student history. The student will remain on Academic Warning until good academic standing is achieved. Students on Academic Warning will be individually advised regarding their status and how to improve.

There is no term registration course load requirement in the 3 year General Degree Program

Graduation: the student must achieve a Degree GPA (DGPA) of at least 2.0 on the 90 credit hours that comprise the 3 year General Degree.

The student cannot accumulate more than 36 credit hours of Fs on courses acceptable to Science on their Academic History, regardless of the origin of the grade (i.e., from University 1

courses, transfers from other programs or other institutions) and regardless of whether the course has been repeated. If the limit of Fs is exceeded, the student will be placed on **Academic Suspension for 2 years**. The student will be allowed to return and start the degree afresh. At this point, while a CGPA will be automatically calculated for these students, the DGPA will be used for academic assessment. Students may appeal to transfer credit of up to 30 hours of work completed in their first degree attempt. Only courses for which the student has achieved a minimum grade of "C" can be used for transfer credit. Grades for all courses taken in the first degree attempt will remain on the student's record, but only the grades (C or better) from courses selected for transfer credit will be used in the calculation of the "fresh" DGPA.

Major Degree Requirements

The student must maintain a CGPA of 2.0 or better at every point of assessment to remain in good academic standing in Major Programs.

If the CGPA is less than 2.0 at any point of assessment the student will be required to withdraw from the Major Program and may pursue a 3 year General Degree. The student will then be subject to the rules of that degree. Upon raising the CGPA to 2.0, with recommendation of the Department administering the program, the student may appeal to re-enter the Major Program.

The student cannot accumulate more than 18 credit hours of Fs on his/her Academic History once in the Major Degree Program (regardless of the origin of the grade or if the course has been repeated) or he/she will be required to withdraw from the Major Program. Students so assessed may pursue the 3 year General Degree Program.

In such cases, the Fs accumulated while in the Major Program will remain on the Student's Academic History and will continue to accumulate in the 3 year General Degree Program. Students who have exceeded the F credit hour limit in on Major Program wishing to enter another Major Program may appeal to the Faculty of Science Committee on Student Standing for special permission to do so, on a case by case basis.

There is no term registration course load requirement for the Major Programs.

Graduation: the student must obtain a minimum grade of C on all Major Program Specific Courses and achieve a DGPA of at least 2.0 (on the 120 credit hours or more required to complete the given Major Degree).

Program Specific Courses are those identified by each department as being core to the given degree. Departments may choose not to select Program Specific courses.

Honours Degree Requirements

The student must take a minimum of 9 credit hours per Fall and Winter registration terms (or equivalent for students in Co-operative Programs) to remain in good standing in Honours

Programs. Students failing to do so will be required to withdraw from the Honours Program and may be eligible to pursue as Major or 3 year General Degree.

The student must maintain a DGPA of at least 3.0 at every point of assessment to remain in good standing in Honours Programs.

If the DGPA is less than 3.0 at any point of assessment the student will be required to withdraw from the Honours Program and may be eligible to pursue a Major or 3 year General Degree. The student will then be subject to the rules of that degree. Upon raising the DGPA to 3.0 while maintaining the minimum 9 credit hours per Fall and Winter registration terms, with recommendation of the Department administering the program, the student may appeal to re-enter the Honours Program.

The student cannot accumulate more than 15 credit hours of Fs on his/her Academic History once in the Honours Degree Program (regardless of the origin of the grade or if the course has been repeated) or he/she will be required to withdraw from the Honours Program. Students so assessed may pursue the Major or 3 year General Degree Program.

In such cases, the Fs accumulated while in the Honours Program will remain on the Student's Academic History and will continue to accumulate in the Major or 3 year General Degree Program. Students who have exceeded the F credit hour limit in one Honours Program wishing to enter another Honours Program may appeal to the Faculty of Science Committee on Student Standing for special permission to do so, on a case by case basis.

Graduation: the student must achieve a DGPA of at least 3.0, obtain a minimum grade of C+ on all Honours Program Specific Courses (see definition above), and obtain a minimum grade of C on all remaining courses that contribute to the 120 or more credit hours of the degree.

Faculty of Social Work

All references to Cumulative GPA in the academic progression regulations are replaced with Degree GPA.

Dean's Honour List

To qualify for the Dean's Honour List a student must achieve

- a Term GPA of 3.5 on the basis of 12 credit hours in each of the Fall and Winter terms,
or
- a Term GPA of 3.5 on the basis of 12 credit hours in each of the Summer 1 and Summer 2 terms.

University 1

Academic Performance

Grades obtained in University 1 become a part of the student's permanent record and will appear on the official transcript. Grade reports, which will be available at the end of every term, will include a calculation of a student's cumulative Grade Point Average (GPA). Grades earned while in University 1 will determine admission to most target faculties or schools. Students may qualify for the University 1 Honour list (see Section 4.11 in this chapter for details).

University 1 students who have completed less than 24 credit hours will have their academic performance assessed as part of an Early Warning Program. Students with a cumulative Grade Point Average of less than 2.00 qualify for the Early Warning Program which is designed to assist students at the earliest sign of academic difficulty by providing academic advising, support services, and strategic referrals designed to return the student to "good standing". University 1 students who have completed 24 credit hours or more of attempts will have their academic performance assessed at the end of each term and will be determined to be in "good standing", "on probation" or on "academic suspension".

Performance Level

The first formal assessment occurs when a student has attained 24 credit hours of attempts. University 1 students who have completed 24 credit hours or more of attempts must maintain a cumulative Grade Point Average of 2.00 or greater in order to remain in "good standing" in University 1. Students who fail to meet this standard will be placed "on probation".

Probation

The notation "On Probation" will be recorded on the student's transcript. Once "on probation", a student will be allowed to register for another term. Students "on probation" must achieve a Term Grade Point Average of 2.0 in order to proceed. A cumulative GPA of 2.0 is required to clear probation. If the term includes six credit courses that span terms and will not be completed until the end of the following term, assessment will take place at the completion of the six credit hour courses. Students must consult with a University 1 academic advisor prior to registration and once a month until probation is cleared. Support services and referrals may be suggested in order to improve their performance. Some restrictions on course load may apply. If the student does not achieve a TPGA of 2.00 while on Probation, he/she will be placed on "academic suspension" for one calendar year.

Academic Suspension

During the period of academic suspension students are encouraged to address the reasons for academic failure. Students who determine that university level study is their goal should take the necessary steps to ensure their academic success upon their return. This may include remedial courses, improvement of study skills, and career re-focusing.

Following this period of time a student may return to study in University 1 'on probation'. Students registering 'on probation' following academic suspension and who fail to achieve the

standards required for continuance, will be suspended for two calendar years.

A student placed on "academic suspension" is not normally allowed to register in any other faculty or school at the University of Manitoba or to attend any other post-secondary institution during the time of the suspension.

Extended Education - General Studies

Assessment of the academic standing of students enrolled in Extended Education, General Studies will take place at the end of each term of studies following completion of a minimum cumulative total of 42 credit hours. At each point of assessment, a student will be considered to be in Good Standing if a minimum cumulative grade point average (CGPA) of 2.00 has been achieved.

The following will apply to students who fail to achieve Good Standing:

- The first time a student's CGPA falls below 2.00 the student shall be placed on Probation Warning.
- If, in the next applicable term of study, the student fails to achieve a minimum CGPA of 2.00, the student will be placed on Probation.
- Following the third term in which the student fails to achieve a minimum CGPA of 2.00, the student will be placed on Suspension Warning.
- If a student fails to achieve the minimum CGPA of 2.00 for a fourth term of study, the student shall be placed on Academic Suspension.

Students are suspended for two academic years. Following the suspension period students may re-apply for admission to General Studies.

Respectfully submitted,

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

/jml

Report of the Senate Committee on Admissions concerning a proposal from the Faculty of Education to change the breadth requirement for its B.Ed. Program — Early and Middle Years (2006.03.14)

Preamble

In May 2004, the Minister of Education, Citizenship and Youth for the Province of Manitoba informed the Faculty of Education that all Early Years and Middle Years teachers would be required to present a broader background of coursework or "breadth requirement" for teacher certification purposes.

The Minister's letter indicated that, unlike their counterparts in the Senior Years, Early Years and Middle Years teachers would be required to satisfy a breadth of coursework designed to better prepare them for becoming generalist teachers in Manitoba. The new requirements are: English or French Literature (6 credit hours); Mathematics and Science (9 credit hours in combination); Social Studies (6 credit hours of Geography or History). In addition to the breadth required, the Minister's letter also indicated that applicants to Early and Middle Years programs would now present with 18 credit hours for a major and 12 credit hours for a minor.

Observations

Over the past year and a half, the Faculty of Education has been working with representatives from Manitoba Education, Citizenship, and Youth to clarify some of the issues relating to the implementation of these new requirements including which courses, in particular, constitute Math, Science and Social Studies. The current proposal addresses the following: (1) the breadth requirement, (2) grades required for courses used to satisfy the breadth requirement, (3) calculation of Admission GPA for Early and Middle Years applicants, (4) the expanded teachable areas, and (5) the date of compliance.

1.0 Admission Requirements for the Faculty of Education - Early Years and Middle Years:

Effective February 1, 2007 (the application deadline date for students applying to enter Education in September 2007), applicants to the Early Years and Middle Years programs will be required to present the following for admission:

- 6 credit hours in English or French Literature (see 1.1 below)
- 6 credit hours of Social Studies (see 1.2 below)
- 9 credit hours of Mathematics and Science (see 1.3 below)
- 18 credit hours of coursework in a recognized major
- 12 credit hours of coursework in a recognized minor

1.1 The English or French literature requirement is to be satisfied by courses in literature offered by the Departments of English or FREN courses offered by the Department of French, Spanish and Italian at the 100 level or higher and may not include language courses in these areas. In addition, 144.100F (FRAN 1001) is permitted.

1.2 The Social Studies requirement is to be satisfied by courses from the Departments of History or Geography. In addition, Classics courses such as *Introduction to Ancient Greek Culture* and *Introduction to Ancient Roman Culture* (see Appendix I) and courses from Canadian Studies and Native Studies providing that they contain historical or geographical content will be eligible to satisfy this requirement. Art and language courses in these two latter areas will not be able to be used to satisfy this requirement.

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

1.3 A minimum of 3 credit hours of Mathematics (or Statistics) and a minimum of 3 credit hours of Science is required. The additional 3 credit hours can be either Mathematics or Science.

-The Mathematics requirement is to be satisfied by courses from the Departments of Mathematics or Statistics.

-The Science requirement is to be satisfied by courses from the Biological Sciences, Physical Sciences or Earth Sciences (including both Geological Science and Environmental Science). This includes courses from Plant, Animal, or Soil Science provided that these are science-based rather than management-based courses. In addition, science courses offered by Medicine and Pharmacy are included (See Appendix II).

2.0 Grades Required:

As with the coursework for our current major and minors, applicants to the Early and Middle Years programs will be required to present a minimum grade of 'C' in each course in each of the three areas required to fulfill the breadth requirement.

3.0 Calculation of Admission GPA for Early and Middle Years:

Admission GPA will be calculated on coursework required for the major, minor and the breadth requirement. In cases where coursework fulfills the major and/or minor and any aspects of the breadth requirement, the grade(s) will only be used once.

4.0 Expanded Teachables:

Representatives from Manitoba Education, Citizenship and Youth have granted the Faculty of Education an extension on implementing the additional teachable minors that were outlined in the Minister's letter in light of the fact that the Faculty will be conducting a review of the B.Ed. program in the near future. The CITEP Committee is currently examining how we might accommodate as many of these areas as possible given our current program structure and existing teaching resources (see 5.0 below).

5.0 Date of Compliance:

We propose that the implementation of the Minister's letter occur in two stages: The first stage will take effect in September, 2007 and will include only the breadth requirement for applicants to the Early and Middle Years programs as referred to in 1.0 to 3.0 above. The second stage will take effect a year later in September, 2008 and will address the expanded teachable minors.

Recommendation

Accordingly, the Senate Committee on Admissions recommends that, effective for students applying to enter Education in September 2007, all applicants to the Early Years and Middle Years After-Degree programs in the Faculty of Education must present with:

1. 6 credit hours of English or French Literature
2. 6 credit hours of Social Studies (History or Geography and select courses from Canadian Studies and Native Studies-see Appendix I)
3. 9 credit hours of Mathematics or Statistics and Science in combination (see Appendix II for applicable coursework for Science)

The Senate Committee on Admissions supports the Faculty of Education in recommending that, consistent with the Minister's letter of May, 2004, major and minor requirements be reduced as follows:

4. 18 credit hours for a teachable *major* for Early Years and Middle Years applicants
5. 12 credit hours for a teachable *minor* for Early Years and Middle Years applicants

Respectfully submitted,
Dr. D.R. Morphy, Chair,
Senate Committee on Admissions

Terms of reference: Senate Handbook (revised 1992), pp. 10.6-10.8

Appendix I

The Social Studies requirement for admission to the Early Years or Middle Years After-Degree Education program can be fulfilled by any coursework offered by the Departments of History or Geography. In addition the following courses offered by the Departments of Canadian Studies, Classics and Native Studies will fulfill this requirement:

151.113 Introduction to Canadian Studies

This course will introduce students to an interdisciplinary study of Canadian themes and issues from early exploration to the present. The emergence of Canada as a nation will be studied within the context of four themes: the aboriginal past; the land; political and economic structures; art and culture. As a first-year course in Canadian Studies students will be encouraged to develop their writing, research and library skills.

151.373 Canadian Identity: An Interdisciplinary Approach

An interdisciplinary lecture/seminar (art, economics, history, literature) course which will explore Canadian Identity. Themes to be studied include the Aboriginal past, French/British colonization, Land/regions and Ethnic diversity.

003.127 Introduction to Ancient Greek Culture

Ancient archaeological and literary evidence (in English translation) is the basis for a survey of the major social, political, religious, intellectual, artistic and literary institutions and achievements of the Greeks from the Bronze Age to the early Roman Imperial Period. The Greeks are studied in the context of the ancient Mediterranean world but also with reference to their continuing contributions to world civilization.

003.128 Introduction to Ancient Roman Culture

Ancient archaeological and literary evidence (in English translation) is the basis for a survey of the major social, political, religious, intellectual, artistic and literary institutions and achievements of the Romans, from the period of the monarchy to the onset of the Middle Ages. The Romans are studied in the context of the ancient Mediterranean world but also with reference to their continuing contributions to world civilization.

003.206 Greek History

A study of Mycenaean civilization, the Greek city-state and the political, social, and economic life of the Greek people. The Athenian empire, the Alexandrian age, and the Hellenistic kingdoms will also be considered.

003.207 Roman History

A study of the beginning of Rome, the organization of the Republic and Empire; Roman social and economic development; Rome's decline and fall; the results of the dominance of Rome.

032.120 (History) The Native Peoples of Canada

A survey of the political, social, and economic situations of the contemporary Indian, Métis, and Inuit peoples of Canada.

032.122 (History) The Native Peoples of Canada, Part 1

A survey of the political, social, and economic situations of the contemporary Indian, Métis, and Inuit peoples of Canada from pre-contact to 1945.

032.124 (History) The Native Peoples of Canada, Part 2

A survey of the political, social, and economic situations of the contemporary Indian, Métis, and Inuit peoples of Canada from 1945 to the present. This course may include a field trip component.

Appendix II

The Science requirement for admission to the Early Years or Middle Years After-Degree Education program can be fulfilled by any coursework offered by the Departments of Biology, Biochemistry, Botany, Chemistry, Ecology, Genetics, Physics, Zoology, Environmental Science, and Geological Science. In addition the following courses offered by the Departments of Plant, Animal, and Soil Science will fulfill this requirement:

035.251 Anatomy and Physiology 1: Control Systems

Will deal with the structure, functions and interactions of the coordinating/regulatory systems in the animal body; including the nervous, muscular, cardiovascular, respiratory, renal and endocrine systems.

035.252 Anatomy and Physiology 2: Nutrient Utilization

The digestion, absorption and utilization of nutrients by farmed species. Basic characteristics of the digestive system, aspects of regulation of feed intake and rates of passage, intermediary metabolism of nutrients, growth and development, health and other factors influencing nutrient utilization.

035.350 Principles of Animal Genetics

Topics discussed will include population genetics, quantitative variation, selection and mating systems with particular reference to domestic species.

035.352 Animal Reproduction

The comparative anatomy and physiology of reproduction of farmed animals will be emphasized. Focus will be on the natural synchronization of reproductive processes and the potential to regulate and improve reproductive efficiency.

035.428 Applied Animal Genetics

Application of principles of animal breeding. Modern methods, techniques, and programs for genetic improvement of cattle, sheep, and swine.

039.252 Genetics

Basic principles of genetics and their practical application in the areas of DNA structure and function, genome organization and genetic analysis. Laboratory sessions provide practical experience in solving genetic problems and conducting genetic investigations.

039.350 Plant Physiology

An integrative view of major physiological processes in plants, spanning the biochemical, cellular, tissue, organ and whole plant levels of organization and addressing the effects of environmental conditions on these processes. Topics covered: photosynthesis and respiration, water relations, plant nutrition, assimilate partitioning, and regulation of growth.

039.433 Intermediate Plant Genetics

A study of gene behaviour as related to genetic analyses of data from plant populations; multiple allelic systems and polygenic inheritance of quantitative traits; extra-chromosomal inheritance and the significance of cytoplasmic influence. Examples will be drawn from experimental data where available.

039.452 Crop Physiology

The physiology of crop plants as it applies to production in the field. Topics include seed physiology, canopy photosynthesis, nutrient acquisition, crop growth, flowering, fruit and seed development, and determinants of crop yield.

039.454 Plant Genomics

An introduction to plant genomics includes mapping and sequencing genomes, gene expression and transcriptome, comparative functional and integrative genomics; also covers gene constructs and plant transformation and a wide ranging consideration of transgenic crop issues. Theory and practice of genomics will be examined. A laboratory will provide hands-on experience with several genomic techniques.

039.455 Developmental Plant Biology

An introduction to mechanisms regulating morphogenesis and plant growth and development. Emphasis will be on experimental approaches used to investigate pattern formation at subcellular, cellular, tissue and organ levels. A heavy tissue culture component in the lab will implement the lecture topics and will provide new insights into ways to study plant development in vitro.

040.360 Soils and Landscapes in Our Environment

Discover why soil is an essential resource. Explore the roles of soils and landscapes within natural and agricultural ecosystems by learning the fundamental biological, chemical and physical properties and processes; soil and landscape classification and evaluation.

040.409 Chemical Analysis of Soils

Principles involved in the chemical analysis of soils; analytical procedures useful in the characterization of soils.

040.412 Soil Microbiology

Types, growth and functions of soil organisms. Cycling of soil nutrients (N,C,P,S) by soil organisms. Microbial transformation of farm wastes and agricultural chemicals and effects of agricultural chemicals on soil microbial processes.

040.413 Soil Chemistry and Mineralogy

Composition of soil materials. Reactions of nutrients and contaminants with soil organic matter, silicate clays, oxides and other soil constituents which affect their mobility and bioavailability.

Anatomy, Chemistry, Physics and Genetics offered by the Faculties of Medicine and Dentistry are also acceptable courses.

Report of the Senate Committee on Admissions concerning a proposal from the Faculty of Medicine to remove the requirement for English or French literature (2006.03.14)

Preamble

The Faculty of Medicine Admissions Committee has been reviewing all admission criteria for the past two years. It is considering recommending a number of changes to the evaluation of applicants. The committee plans to make the majority of recommendations in the fall of 2006. It has completed deliberations on one of the areas, and Faculty Executive has approved this change. The Faculty would like to have the change in effect in time to publish it in our June 2006 Bulletin, so that the changes will be in effect for the next application cycle.

- *Removal of a specific requirement for English or French literature. Applicants are currently required to complete 6 credit hours equivalent to English 120 or French 119 and an additional 12 credit hours of Social Sciences/Humanities. The new requirement will be for 18 credit hours of Social Sciences/Humanities.*

Observations

1. The Faculty of Medicine has traditionally encouraged students to obtain a broad education in liberal arts and selected students who can write intelligent, expository prose, largely free of spelling, punctuation and grammatical errors, and present material orally with good proficiency.
2. The current requirement is for a full course (6 credit hours) in English or French literature equivalent to the University of Manitoba courses English 120 (Representative Literary Works) or 130 (Literature since 1900) and French 119 (Introductory French) or 120 (French 1). Courses in essay writing are not acceptable by the requirement currently listed in the Applicant Information Bulletin.
3. Deleting the current English or French literature requirement will not diminish the necessity for our applicants to demonstrate adequate written and oral communication skills. Other tools the Admissions Committee has in place to evaluate our applicants in these domains include:
 - a. The Medical College Admission Test (MCAT). This test has four components: Biological Sciences, Physical Sciences, Verbal Reasoning, and Writing Section. Two of the four components test a combination of analytical skills and communication skills. Verbal Reasoning assesses the ability to understand, evaluate, and apply information and arguments presented in prose texts. It uses several passages 500-600 words in length taken from the humanities and social sciences and areas of natural sciences not tested on the other portions of the test. The Writing Sample consists of two 30-minute essays used to assess skill in developing a central idea, synthesizing concepts and ideas, presenting ideas cohesively and logically, and writing clearly.
 - b. The interview. Oral communication skills are evaluated during the personal interview, which is currently 50 minutes in duration, and may increase to 100 minutes in length.
 - c. Applicants provide a written personal statement 1000-1500 words in length as part of the application process. The committee is considering revising the nature of this statement, and may use it to evaluate specific characteristics of the students in the future. However, it is expected applicants will still be required to provide an essay for evaluation.

Comments of the Senate Executive Committee:

The Senate Executive Committee endorses the report to Senate.

- d. All students are required to be eligible to graduate with a Bachelor's degree. In meeting degree requirements most programs require students to take courses that include significant written reports or essays.
 - e. All applicants whose primary language is other than English must demonstrate that they are proficient in the use of the English language through a proficiency test such as TOEFL.
4. A further reason for deleting the English or French literature requirement is its lack of predictive value with respect to undergraduate performance in the Faculty. As part of the ongoing review of the admission review, we have collected data to examine the relationship between our admissions factors and students' performance on internal exams, national board exams and licensing exams. The work was based on 428 students in the Classes of 1998 to 2003. Analysis showed that standing in the prerequisite English or French literature course showed no consistent or sustained effect on either internal exams (including clinical evaluations) or external national board/licensing exams.
5. In removing the English or French literature requirement we are not alone among Canadian Faculties of Medicine. Of the other 16 Canadian medical schools, only 3 other schools require an English literature course. Two schools have more flexible requirements for an essay course. The remaining 11 schools have no requirement for either English or French courses, either communication-based courses or literature-based.

Recommendations:

The Senate Committee on Admissions recommends to Senate that the Faculty of Medicine drop the English or French Literature prerequisite, but retain the requirement that applicants complete 18 credit hours of humanities and social sciences course.

Respectfully submitted,
Dr. D.R. Morphy, Chair,
Senate Committee on Admissions

Terms of reference: Senate Handbook (revised 1992), pp. 10.6-10.8

