

Senate
Senate Chamber
Room E3-262 Engineering Building
WEDNESDAY, September 8, 2010
1:30 p.m.
Regrets call 474-6892

A G E N D A

I MATTERS TO BE CONSIDERED IN CLOSED SESSION - none

II ELECTION OF SENATE REPRESENTATIVES

1. To the Senate Executive Committee Page 3

III MATTERS RECOMMENDED FOR CONCURRENCE WITHOUT DEBATE - none

IV MATTERS FORWARDED FOR INFORMATION

1. Implementation of Ph.D. in Human Nutritional Sciences Page 4
 and Ph.D. in Food Science
2. Items approved by the Board of Governors Page 5
 on June 22, 2010
3. *In Memoriam: Dr. Gunnar Valdimarsson* Page 6
4. Report of the Senate Committee on Awards [dated June 16, 2010] Page 8
5. Report of the Senate Committee on Awards – Part A Page 15
 [dated July 5, 2010]
6. Correspondence from Vice-President (Research) Page 18
 RE: Report on Research Contract Funds Received

V REPORT OF THE PRESIDENT

VI QUESTION PERIOD

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

VII CONSIDERATION OF THE MINUTES OF THE MEETING OF JUNE 23, 2010

VIII BUSINESS ARISING FROM THE MINUTES - none

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

1. Report of the Senate Executive Committee Page 21

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

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

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

- | | | |
|----|--|---------|
| 1. | Report of the Senate Committee on Admissions
RE: Requirement of Health Care Provider CPR Certification
for admission to Faculty of Kinesiology and Recreation
Management – Athletic Therapy undergraduate program | Page 22 |
| 2. | <u>Reports of the Senate Committee on Instruction and Evaluation</u> | |
| a) | RE: Use of 'disciplinary' grade comment and
Use of 'Comments' Function on Student History | Page 23 |
| b) | RE: Revisions to the VW limit in School Experience Courses,
progression degree GPA for Post-Baccalaureate Diploma and
Internationally Educated Teachers Program, Faculty of Education | Page 29 |
| c) | RE: Faculty of Agricultural and Food Sciences
Modification to Dean's Honour Roll | Page 30 |
| 3. | Report of the Senate Committee on Awards – Part B
[dated July 5, 2010] | Page 31 |
| 4. | Report of the Senate Committee on Curriculum and Course
Changes RE: Proposal to Introduce a B.Sc. (Major) and
a Major Co-operative Option in Genetics | Page 35 |
| 5. | Report of the Senate Committee on Rules and Procedures
RE: Revisions to the Faculty of Medicine Faculty Council By-law | Page 52 |
| 6. | Report of the Senate Committee on Academic Dress RE: Master
of Public Health and Master of Physician Assistant Studies | Page 60 |
| 7. | <u>Report of the Senate Committee on Nominations</u> | Page 61 |

XI ADDITIONAL BUSINESS

XII ADJOURNMENT

Please Call Regrets to 474-6892 or meg_brolley@umanitoba.ca.

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 term ending May 31, 2011 to replace Dean D. Sandham.

(1) Eligible for election are:

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

(2) Presently serving:

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

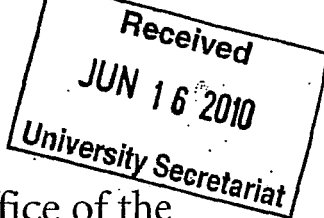
Procedures:

- (a) Nominations for the positions shall be received from the floor.
- (b) Senators shall vote for no more than 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.

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



UNIVERSITY
OF MANITOBA

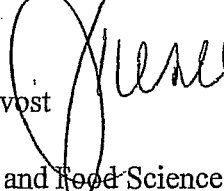


Office of the
Vice-President (Academic) & Provost

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June 11, 2010

TO: Jay Doering, Dean, Faculty of Graduate Studies

FROM: Joanne C. Keselman, Vice-President (Academic) & Provost 

SUBJECT: Implementation of Ph.D. in Human Nutritional Science and Food Science

At its meeting of 14 May 2010, the COPSE Council approved our proposals for the establishment of Ph.D. programs in Human Nutritional Science and in Food Science. Implicit in those approvals is the elimination of the current interdepartmental Ph.D. in Food and Nutritional Sciences.

Because these new programs require no additional financial resources, I hereby approve their implementation with effect from September 2010. You will of course need to work out details concerning the management of students currently enrolled in the "old" joint program and for the elimination of that program in due course.

On behalf of the University, I extend congratulations to all those who have worked so hard to design these programs. I look forward to hearing of their development and success in the years ahead.

cc Gustaaf Sevenhuysen, Dean, Faculty of Human Ecology
Karin Wittenberg, Acting Dean, Faculty of Agricultural and Food Sciences
Richard Lobdell, Vice-Provost (Programs)
Neil Marnoch, Registrar
✓ Jeff Leclerc, University Secretary




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Office of the University Secretary

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MEMORANDUM

DATE: August 19, 2010
TO: Dr. David Barnard, Chair of Senate
FROM: Jeff M. Leclerc, University Secretary 
SUBJECT: Items approved by the Board of Governors on June 22, 2010

The Board of Governors, at a meeting held on June 22, 2010, considered the following items of interest to Senate:

Report of the Senate Committee on Awards

The Board of Governors approved the report of the Senate Committee on Awards [dated April 5, 2010].

In Memoriam: GUNNAR VALDIMARSSON



Dr. Gunnar Valdimarsson passed away peacefully at home on May 9, 2010 after a courageous struggle with cancer. Gunnar was born February 25, 1959 in Reykjavik, Iceland and came to Canada to work on the farm of Gunnar Simundsson of Arborg, Manitoba. His connection with the Simundsson family was very special to him. He met Lorna in 1980, during his first year at the University of Manitoba. They were married in 1985.

Gunnar finished his B.Sc. and M.Sc. at the University of Manitoba, and then completed a Ph.D. in Zoology at the University of Western Ontario. He did postdoctoral work and had his first academic appointment at Queen's University in Kingston, Ontario. It was during their time in Kingston that Lorna and Gunnar's twin sons were born. The boys were extremely premature and have faced many challenges over the years. Gunnar's love and care for the boys helped to make them into the wonderful young men they are today. He was very proud of them.

Gunnar and Lorna moved back to Winnipeg in 1998, where they both took up academic positions at the University of Manitoba; Gunnar in the department of Zoology, and Lorna in the department of Psychology. Gunnar was a dedicated scientist and teacher, and a valued member of the Department of Biological Sciences. Gunnar was able to capture the essence of an issue; he saw with great insight, the future experiments that were needed to test a working hypothesis; and he delighted in the prospects of new approaches to enrich his knowledge.

The main thrust of research in Dr. Gunnar Valdimarsson's lab was on the role of gap junction intercellular communication in embryonic development. He studied these questions using the zebrafish model system, and had serious international and intellectual collaborations that enriched his subject area and to which he contributed. A substantial body of evidence had accumulated over the last few years indicating that gap junction intercellular communication is essential for normal vertebrate embryonic development and the health of adult tissues including the lens of the eye. The molecular and cellular mechanisms involved in this dependence are, however, still largely unknown. Gap junction intercellular channels are comprised of connexin proteins and the long term aim of Gunnar's research program was to understand the roles that individual connexins play in embryonic development and tissue maintenance. In recognition of his work he served on the Cell and Molecular Grant Study Committee at NSERC and had provided many grant and manuscript reviews prior to that. He also served

actively on and was a valued member of numerous committees in the department and faculty. Even after his medical challenges were named, he contributed immensely to a departmental proposal for a molecular imaging suite of infrastructure.

Gunnar was also a keen distance runner, enjoyed a wide variety of music, liked to cook and entertain, and was a lifelong Arsenal fan. He never forgot his Icelandic roots, and taught colleagues about Iceland in stories from his childhood and family, and through the art in his home. Gunnar had a very close group of friends, who were a very faithful support to him throughout his illness. The support of his colleagues was particularly important during the aftermath of the Duff Roblin Fire which affected offices and research labs of both Gunnar and Lorna. Prior to the fire, Gunnar had already planned to move his lab, students and equipment, into a shared lab space on the fifth floor of the Buller Building. That this was planned as a joint laboratory with another investigator speaks highly to Gunnar's collegiality. He was never able to return to Duff Roblin Z422 and Z423, his home away from home, but many colleagues and students retrieved personal items and keepsakes for him, from the spaces he'd inhabited and enjoyed in Duff. He served on the examining committee of one of his PhD students in 2009, and his final two PhD students are completing their programs of study with the help of colleagues and their own families. This has been an especially difficult time for them, and for Gunnar's closest colleagues, but everyone who knew Gunnar will miss him terribly and remain grateful for having known him.

At the time of his memorial, special thanks were given by the family to Drs. Huebner, Dr. Diehl-Jones, and Dr. Joerg Stetefeld and family; members of the Biological Sciences and Psychology Departments of the University of Manitoba were also thanked for their kindness, support and meals on wheels at a moving service that was held on May 15th. On that occasion, many members of the university, including faculty, staff and students (both graduate and undergraduate) and their families were present, and spoke of their love of Gunnar and the importance of his friendship, support, science, humour and humanity to their own lives.

Gunnar never complained, not about teaching, or research expectations (excepting paperwork) or service, parenting or students. He always tried to find a way to make something work, carefully and compassionately. He fought as hard as he could against his illness, but accepted its progression with grace and dignity. The family requested that donations be made to the CancerCare Manitoba Foundation or the Canadian Cancer Society in lieu of flowers at his memorial service. The department and faculty will remember him as a true colleague, a 'child' of the Department of Zoology and a 'parent' of the Department of Biological Sciences; it is determined to commemorate his work and person in the newly developed buildings, once opened.

REPORT OF THE SENATE COMMITTEE ON AWARDS

Preamble

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

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

Observations

At its meeting of June 16, 2010, the Senate Committee on Awards approved eight new offers, nine amended offers, and the withdrawal of one offer, as set out in Appendix A of the *Report of the Senate Committee on Awards* (dated June 16, 2010).

Recommendations

On behalf of Senate, the Senate Committee on Awards recommends that the Board of Governors approve eight new offers, nine amended offers, and the withdrawal of one offer, as set out in Appendix A of the *Report of the Senate Committee on Awards* (dated June 16, 2010). These award decisions comply with the published guidelines of November 3, 1999, and are reported to Senate for information.

Respectfully submitted,

Dr. Philip Hultin
Chair, Senate Committee on Awards

Appendix A
MEETING OF THE SENATE COMMITTEE ON AWARDS
June 16, 2010

1. NEW OFFERS

Hyeman Barlin Memorial Bursary

In memory of Hyeman Barlin (Dip.Pharm./40), family and friends have established an endowment fund at the University of Manitoba, with an initial gift of \$10,000 in 2010. The fund will be used to provide bursary support for Pharmacy students. The available annual interest from the fund will be used to offer one bursary to an undergraduate student who:

- (1) is enrolled full-time in the Faculty of Pharmacy;
- (2) has achieved a minimum degree grade point average of 3.0;
- (3) has demonstrated financial need on the standard University of Manitoba bursary application form.

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

William W. Fetterman Scholarship

In accordance with the wishes of William W. Fetterman, who earned a Diploma in Agriculture in 1951, an endowment fund has been established at the University of Manitoba with an initial gift of \$175,000 in 2010. The purpose of the fund is to provide a renewable scholarship for graduates of high schools in the Interlake, Lakeshore, and Evergreen School Divisions, who pursue post-secondary studies in the Faculty of Agricultural and Food Sciences. One scholarship, valued at one-third of the available annual interest from the fund, will be offered to a student who:

- (1) has graduated from a high-school in the Interlake School Division (Stonewall Collegiate, Teulon Collegiate, or Warren Collegiate), the Lakeshore School Division (Ashern Central School, Fisher Branch Collegiate, Inwood School, Lundar School), or the Evergreen School Division (Arborg Collegiate, Gimli High School, Riverton Collegiate);
- (2) has completed a minimum of 24 credit hours and has achieved a minimum degree grade point average of 3.0;
- (3) in the next ensuing academic session, is enrolled full-time (minimum 24 credit hours) in the second year of study, in any baccalaureate degree program offered by the Faculty of Agricultural and Food Sciences.

Preference will be given to graduates of a high school in the Interlake School Division.

The Scholarship, valued at one-third of the available annual interest from the fund, is renewable in each of the third and fourth years of study provided that the recipient:

- (1) continues to be enrolled full-time (minimum 24 credit hours) in any baccalaureate degree program offered by the Faculty of Agricultural and Food Sciences;
- (2) has maintained a minimum degree grade point average of 3.0.

In the event that a recipient does not qualify for continuation of the Scholarship, the University may offer that scholarship to the next qualified student, in the same year of study, either as a renewable

scholarship for a student in the third and fourth years of study (provided that the recipient meets the renewal criteria) or as a one-time scholarship for a student in the fourth year of study.

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

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

Joseph and Sylvia Lavitt Award in Pharmacy

In honour of his parents, Mr. Joseph and Mrs. Sylvia Lavitt, Mr. Frank Lavitt (LL.B./79) and his spouse Ms Ahava Halpern have established an endowment fund at the University of Manitoba, with an initial gift of \$25,000 in 2010. The fund will be used to provide scholarships for students in the Faculty of Pharmacy. The available annual interest from the fund will be used to offer one scholarship for an undergraduate student who:

- (1) is enrolled full-time in the Faculty of Pharmacy, in the third year of the B.Sc. in Pharmacy;
- (2) has achieved a minimum degree grade point average of 3.0.

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

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

Douglas and Beverly Ruth Centenary Award in Engineering

In celebration of the Faculty of Engineering's centennial anniversary in 2008, Dr. Douglas and Mrs. Beverly Ruth have established an endowment fund at the University of Manitoba with an initial gift of \$10,000, in 2008. The purpose of the fund is to encourage engineering students to excel in their studies by providing scholarship support. The available annual interest from the fund will be used to offer one scholarship to an undergraduate student who:

- (1) is enrolled full-time or part-time in the second, third, or fourth year of study in the Faculty of Engineering;
- (2) has achieved a minimum degree grade point average of 3.5.

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

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

Muriel St. John Research Award for Women's Legal Issues

Ms Muriel St. John provides an annual contribution of \$500 to offer a prize for Law students at the University of Manitoba. The purpose of the award is to encourage research into legal issues pertaining to women, social justice, and societal rights. The annual contribution will be used to offer the *Muriel St. John Research Award for Women's Legal Issues* (Award #00000) or, in years where there is no qualified undergraduate candidate, the *Muriel St. John Graduate Research Award for*

Women's Legal Issues (Award #00000). Each year, one prize will be offered to an undergraduate student who:

- (1) has successfully completed the second or third year of study in the Bachelor of Laws program in the Faculty of Law;
- (2) has achieved a minimum degree grade point average of 3.0;
- (3) has, in the academic session in which the award is tenable, submitted the best research paper pertaining to women's legal issues in any Law course with content related to these issues, including but not limited to: *Gender and the Law* (currently numbered LAW 3070), *Children and the Law* (currently numbered LAW 3090), *Aboriginal Peoples and the Law* (currently numbered LAW 3310), *Human Rights Law* (currently numbered LAW 3980, L07), or *Poverty Law* (currently numbered LAW 3980, L10); and whose paper is of publishable or potentially publishable quality.

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

Muriel St. John Graduate Research Award for Women's Legal Issues

Ms Muriel St. John provides an annual contribution of \$500 to offer a scholarship for Law students at the University of Manitoba. The purpose of the award is to encourage research into legal issues pertaining to women, social justice, and societal rights. The annual contribution will be used to offer the *Muriel St. John Research Award for Women's Legal Issues* (Award #00000) or, in years where there is no qualified undergraduate candidate, the *Muriel St. John Graduate Research Award for Women's Legal Issues* (Award #00000). In any given year that there is no qualified undergraduate candidate, one scholarship will be offered to a graduate student who:

- (1) is registered full-time in the Faculty of Graduate Studies, in the Master of Laws program;
- (2) has achieved a minimum degree grade point average of 3.5 (or equivalent) based on the last 60 credit hours of study;
- (3) has demonstrated writing ability and whose paper is of publishable or potentially publishable quality;
- (4) has proposed to undertake thesis research into legal issues pertaining to women, societal justice, or human rights; or failing that who has already published work or is reviewing current work for submission for publication.

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

David Silverberg Scholarship in Judaic Studies

Mr. David M. Silverberg (B.Sc.(E.E.)/36) has bequeathed \$30,000 to the University of Manitoba, to establish an endowment fund to offer scholarships for students of Judaic Studies. The available annual interest from the fund will be used to offer one scholarship to the undergraduate student who:

- (1) has completed at least 24 credit hours of full-time study in University 1 or any direct entry program;
- (2) has achieved a minimum degree grade point average of 3.5;
- (3) has completed at least 6 credit hours in Judaic Studies courses and has declared either a Major or a Minor in Judaic Studies during the previous 12 months;

- (4) from among those who meet criteria (1) through (3), has achieved the highest combined average on his or her best 6 credit hours of Judaic Studies courses;
- (5) in the next ensuing academic session, is enrolled full-time in any Faculty or School at the University and has registered for at least 6 additional credit hours of Judaic Studies courses.

The selection committee will be named by the Coordinators of the Judaic Studies Program.

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

H.D.B. Wilson Bursary

Former students, colleagues, and friends of H.D.B. Wilson have established an endowment fund at the University of Manitoba in his memory. The Manitoba Scholarship and Bursary Initiative has made a contribution to the fund. The available annual interest from the fund will be used to offer one or more bursaries to undergraduate students who:

- (1) are enrolled full-time in the Clayton H. Riddell Faculty of Environment, Earth, and Resources, in year two or three of any B.Sc. in Geological Sciences, in either the Major or Honours program;
- (2) have achieved a minimum degree grade point average of 2.5;
- (3) have demonstrated financial need on the standard University of Manitoba bursary application form.

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

The selection committee will be the Department of Geological Sciences Awards Committee.

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

2. AMENDMENTS

The names of the following awards were amended:

- from: Cyril L. Anderson – FeedRite Ridley Inc. Award in Animal Science – Degree
to: Cyril L. Anderson – Feed-Rite Award in Animal Science – Degree
- from: Cyril L. Anderson – FeedRite Ridley Inc. Graduate Fellowship in Animal Nutrition to:
Cyril L. Anderson – Feed-Rite Graduate Fellowship in Animal Nutrition
- from: Cyril L. Anderson – FeedRite Ridley Inc. Prize– Diploma Agriculture
to: Cyril L. Anderson – Feed-Rite Prize – Diploma Agriculture

Dr. Diane Dowling Memorial Scholarship

Terms of reference for the Dr. Diane Dowling Memorial Scholarship have been amended to open the award to male students. The Scholarship will be offered to the full-time student, male or female, who attains highest standing on the aggregate of the final examinations, with a minimum of 3.00 on the aggregate of raw scores, in the second year of a General or Honours program in Science.

Graduate Alumni Psychology Graduate Fellowship

The name of the Graduate Alumni Psychology Graduate Fellowship has been changed to the 'Psychology Alumni Faculty Scholarship.'

The Jubilee Scholarship (University Women's Club of Winnipeg)

Several amendments have been made to the terms of reference for The Jubilee Scholarship (University Women's Club of Winnipeg):

- The name of the award has been changed to 'Jubilee Scholarship (University Women's Club of Winnipeg).'
- The Scholarship will now be open to male students, as well as female students. The award is offered to the full-time student who attains highest standing in the examinations of the second year in Arts.
- A number of editorial changes were made.

University Women's Club of Winnipeg Graduate Scholarship

Two revisions have been made to the terms of reference for the University Women's Club of Winnipeg Graduate Scholarship, which is offered to a graduate of the University of Manitoba or the University of Winnipeg who has completed either a Bachelor of Arts (Honours) degree or a pre-Master's program in Arts, and subsequently enrolls in a Master's or Doctoral program at either institution:

- The Scholarship will now be open to male students, as well as female students.
- The application deadline has been deleted.

Winnipeg Commodity Exchange Graduate Fellowship

A number of revisions have been made to the terms of reference for Winnipeg Commodity Exchange Graduate Fellowship, which is offered to a student in a graduate program offered by the Department of Agribusiness and Agricultural Economics:

- The value of the Fellowship was changed from: the available annual interest from the endowment fund to: "In any given year that sufficient funds are available, the available interest (including any accumulated revenue) will be used to offer one fellowship, with a minimum value of \$12,000."
- As the organization no longer exists, the membership of the selection committee will no longer include the President of the Winnipeg Commodity Exchange. A member of the grain trade will now be invited to serve on the committee.
- A number of editorial changes have been made.

Manitoba Teachers' Society Internationally Educated Teachers (IET) Bursary in Education

The terms of reference for the Manitoba Teachers' Society Internationally Educated Teachers (IET) Bursary in Education have been amended, as the length of the program has been changed from 24 to 12 months and students in this program will have no grade point average at the time bursary assessments are completed in the Fall term. Given this, the first two criteria were revised from:

- (1) are enrolled full-time (as defined by the program) in the Academic and Professional Bridging Program for Internationally Educated Teachers (IET Program);
- (2) have achieved clear academic standing as defined by the program;

to:

- (1) have met the requirements for admission to the Academic and Professional Bridging Program for Internationally Educated Teachers (IET Program);
- (2) are enrolled full-time (as defined by the program) in the IET Program.

3. WITHDRAWALS

Central Dental Supply Co. Ltd. Scholarship

The Central Dental Supply Co. Ltd. Scholarship is to be withdrawn. This annually funded prize for Dentistry students has not been offered by the donor for several years.

REPORT OF THE SENATE COMMITTEE ON AWARDS – PART A

Preamble

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

On behalf of Senate, to approve and inform Senate of all new offers and amended offers of awards that meet the published guidelines presented to Senate on November 3, 1999, and as thereafter amended by Senate. Where, in the opinion of the Committee, acceptance is recommended for new offers and amended offers which do not meet the published guidelines or which otherwise appear to be discriminatory under the policy on the *Non-Acceptance of Discriminatory Scholarships, Bursaries or Fellowships*, such offers shall be submitted to Senate for approval. (Senate, April 5, 2000)

Observation

In an electronic poll conducted between June 21 and July 5, 2010, the Senate Committee on Awards approved one new offer, the Great-West Life Actuarial Career Scholarship, as set out in Appendix A of the *Report of the Senate Committee on Awards- Part A* (dated July 5, 2010).

Recommendation

The Senate Committee on Awards recommends that the Board of Governors approve one new offer, the Great-West Life Actuarial Career Scholarship, as set out in Appendix A of the *Report of the Senate Committee on Awards- Part A* (dated July 5, 2010). This award decision complies with the published guidelines of November 3, 1999, and is reported to Senate for information.

Respectfully submitted,

Dr. Philip Hultin
Chair, Senate Committee on Awards

Appendix A

MEETING OF THE SENATE COMMITTEE ON AWARDS

July 5, 2010

1. NEW OFFER

Great-West Life Actuarial Career Scholarship

Great-West Life offers two scholarships, valued at \$5,000 each, for students in the Warren Centre for Actuarial Studies and Research at the University of Manitoba. In addition to the scholarship, recipients of the Great-West Life Actuarial Career Scholarship will be offered a four-month work placement, which will normally be in Winnipeg but placements may be available in London and Toronto, Ontario, at the request of the recipient and depending on availability. Recipients will be paid at standard rates for the student actuarial pool within Great-West Life for the work placement. The donor has agreed to fund the scholarships for a period of three years, beginning in 2010 – 2011 and ending in the 2012 -2013 academic session, with the right to renew the commitment at the end of the term.

Each year, the scholarships will be offered to two undergraduate students who:

- (1) are Canadian Citizens or Permanent Residents eligible for employment in Canada;
- (2) have completed between 60 and 90 credit hours toward either a Bachelor of Commerce (Honours) or a Bachelor of Science (Honours) degree and plan to graduate at the conclusion of the next ensuing academic session;
- (3) are enrolled full-time (80% course load) in either (a) the I.H. Asper School of Business, in a Bachelor of Commerce (Honours) degree with a declared Major in Actuarial Mathematics or (b) the Faculty of Science, in a Bachelor of Science (Honours) degree with a declared Major in Actuarial Mathematics or Statistics - Actuarial Mathematics;
- (4) have achieved a minimum degree grade point average of 3.5;
- (5) have demonstrated leadership skills;
- (6) are committed to participating in a four-month work placement with Great-West Life during the summer term after the term in which the award recipient is selected.

Leadership skills may include initiative, goal setting, outcome achievement, decision-making and problem-solving, interpersonal skills and team work, persuasiveness, and verbal and written communication skills. Examples of leadership can include successfully driving issues to closure, influencing others, and resolving issues among peers or team members using communication, decision-making and problem-solving skills. Leadership abilities may have been demonstrated through participation in extra-curricular activities including volunteer or other community involvement, including sports, and/or previous work experience.

Candidates for the Scholarships must submit an application that includes: (a) a current resumé; (b) a copy of their transcript(s); (c) a statement (maximum 500 words) (i) describing their leadership and project management skills, and how they have applied each of these in specific life situations, (ii) discussing their interest in a career in actuarial sciences, and (iii) indicating their commitment to participate in a four-month work experience opportunity with Great-West Life.

The scholarships are renewable, at the same value, provided that the recipients:

- (1) have completed at least 90 credit hours toward either a Bachelor of Commerce (Honours) or a Bachelor of Science (Honours) degree and plan to graduate at the conclusion of the academic session in which the scholarship is tenable ;
- (2) continue to be enrolled full-time (80% course load) in either (a) the I.H. Asper School of Business, in a Bachelor of Commerce (Honours) with a declared Major in Actuarial Mathematics or (b) the Faculty of Science, in a Bachelor of Science (Honours) with a declared Major in Actuarial Mathematics or Statistics - Actuarial Mathematics;
- (3) have achieved a minimum degree grade point average of 3.5;
- (4) have completed a four-month work placement with Great-West Life that has been assessed as satisfactory by the Selection Committee on the basis of reports on the placement experience required from both the student and Great-West Life.

The selection committee will be named by the Dean of the I.H. Asper School of Business (or designate) and will include the Director of the Warren Centre for Actuarial Studies and at least one faculty member who has industry experience and practical knowledge of the leadership qualities required to excel in an actuarial science career.



JUL 20 2010
University Secretariat


UNIVERSITY
OF MANITOBA

OFFICE OF THE
VICE-PRESIDENT (RESEARCH)

207 Administration Building
Winnipeg, Manitoba
Canada R3T 2N2
Telephone (204) 474-6915
Fax (204) 474-7568
www.umanitoba.ca

MEMORANDUM

TO: Mr. Jeff Leclerc, University Secretary

FROM: Digvir Jayas, Vice-President (Research) 

DATE: July 20, 2010

SUBJECT: Report on Research Contract Funds Received

COPIES: Drs. Glavin and Ristock, Associate Vice Presidents (Research)

Attached is the Report on Research Contracts Received for the period January 1, 2010 to June 30, 2010. Please include the report for information on the next Senate agenda.

Thank you.

DJ/nis

Attach.

Research Contract Funds Above 20K Awarded
ORS Processed Date: January 1, 2010 to June 30, 2010

Faculty	PI Name	Sponsor	Awarded Amount	Project Title
Faculty of Agricultural and Food Sciences	Cicek, Nazim	Food Development Centre	140,000	Anaerobic digestion in Manitoba
	Currie, Robert	Food Development Centre	71,888	The use of comb sterilization and comb replacement as tools to control honey bee viruses and help minimize acaricide residues in hives and hive products
	Jones, Peter	Laval University	112,300	Investigation of the impact of spices and herbs on endothelial function and other CVD risk factors in men and women
	Jones, Peter	Agriculture and Agri-Food Canada	385,800	Human studies supporting health claims that oat and barley beta-glucans lower serum cholesterol levels: Effects of dose and viscosity on cholesterol metabolism
	Jones, Peter	Agriculture and Agri-Food Canada	29,650	Literature review to assess the validity of food-health relationships on flax and cardiovascular disease
	Jones, Peter	Oregon Health & Science University	43,200	Sterol and isoprenoid diseases consortium
	Jones, Peter	Viterra	36,250	Optimization of the functional & nutritional quality of pasta made from oat milling products
	Scanlon, Martin	Manitoba Association of Agricultural Societies/ARDI	50,000	Effects of pea seed hull fibre on the physiochemical properties of bread dough and antioxidant capacity of bread
	Tahir, Muhammad	Manitoba Association of Agricultural Societies/ARDI	108,300	Improving Brassica napus productivity: Targeting regulatory genes implicated in oil biosynthesis and inflorescence size
Faculty Total			977,388	

Faculty	PI Name	Sponsor	Awarded Amount	Project Title
Faculty of Medicine	Chiu, Aaron	Hospital for Sick Children (The)	98,000	Death in Canadian neonatal intensive care units (NICUs): Exploring the ethical determinants
	Gibson, Spencer	Amira Pharmaceuticals, Inc.	92,430	Effects of small molecule LPA receptor antagonists on chronic lymphocytic leukemia cell growth
	Jackson, Alan	MacroGenics Inc	36,031	A phase 2, stratified, randomized, double-blind placebo-controlled study to evaluate the safety of MGAWN1 in subjects with laboratory-documented West Nile Fever or suspected central nervous system infection due to West Nile Virus
	Karpinski, Martin	London Health Sciences Centre	78,500	Long-term effects of becoming a living kidney donor study
Faculty of Medicine	Moses, Stephen	Centre hospitalier affili�� universitaire de Qu��bec	526,946	Impact assessment of HIV prevention programming in Andhra Pradesh and Karnataka: The CHARME-India II project
	Nickerson, Peter	Astellas Pharma Canada, Inc.	154,505	A comparison of effects of standard dose vs low dose Advagraf with IL-2 receptor antibody induction, MMF and steroids, with or without ACEi/ARB-based antihypertensive therapy on renal allograft histology, function and immune response
	Santos, Robert	Provincial Health Services Authority	80,000	Prevention mentor programs for at risk women
	Taback, Shayne	Maternal-Infant Research on Environmental Chemicals (MIREC)	165,000	A national profile of in-utero and lactational exposure to environmental contaminants
	Faculty Total		1,300,142	
Faculty of Nursing	Heaman, Maureen	Mount Sinai Hospital	22,940	The World Health Organization global survey for maternal and perinatal outcomes in Canada
	Faculty Total		22,940	

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 September meeting of Senate.

2. Comments of the Executive Committee of Senate

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

Respectfully submitted,

Dean Mark Whitmore, Acting Chair
Senate Executive Committee

Terms of Reference:

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

/mb

Report of the Senate Committee on Admissions recommending the addition of Health Care Provider CPR Certification as an admission prerequisite for the undergraduate Athletic Therapy Program in the Faculty of Kinesiology and Recreation Management – Athletic Therapy

Preamble:

At its March 31, 2010 meeting, the council for the Faculty of Kinesiology and Recreation Management approved the following recommendation, which was forwarded to the Senate Committee on Admissions for consideration.

Observations:

This proposed policy, if approved, will require in the undergraduate Kinesiology – Athletic Therapy program that evidence of Health Care Provider CPR Certification be submitted prior to the commencement of classes in the year of admission.

1. The present CPR requirement for admission and registration is Basic Rescuer CPR Certification.
2. The Health Care Provider CPR Certification is more advanced, including the use of CPR masks, bag valves, and AED (automated external defibrillator). It is a requirement to become a member of the Canadian Athletic Therapy Association (CATA) and the Manitoba Athletic Therapy Association (MATA). Undergraduate Kinesiology – Athletic Therapy students must become members of these associations in order to pursue certification in athletic therapy. It is also required in order for students to collect hours towards certification.

Recommendation:

The Senate Committee on Admissions recommends:

THAT Senate approve the proposal from the Faculty of Kinesiology and Recreation Management as outlined above, effective for the fall 2011 intake of students which requires all students admitted to the Faculty of Kinesiology and Recreation Management undergraduate Kinesiology – Athletic Therapy program to present evidence of Health Care Provider CPR Certification prior to the commencement of classes in the year of admission.

Respectfully submitted,

Dr. D.R. Morphy, Chair,
Senate Committee on Admissions

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

Report of the Senate Committee on Instruction and Evaluation RE: Recommendations from the Student Discipline Working Group

Preamble:

1. The terms of reference for the Senate Committee on Instruction and Evaluation (SCIE) are found on the web at:
http://umanitoba.ca/admin/governance/governing_documents/governance/sen_committees/502.htm
2. The Committee met on the above date to consider a proposal from the Student Discipline Working Group (appointed by the Vice-President (Academic) and Provost, Chair of the Associate Deans Undergraduate/Undergraduate Liaison Officers (ADU/ULO) Network). The ADU/ULO approved the recommendations presented by the Student Discipline Working Group on May 18, 2010.
3. The recommendations focus on matters of academic misconduct.

Observations:

1. Disciplinary authorities currently use the grade comment 'CW' (compulsory withdrawal) to designate disciplinary action. When this comment originated, it was intended that it permanently remain on the student's transcript. It was noted that having the notation remain on the student's transcript permanently may not always be appropriate nor the intention of the disciplinary authority. Subsequently, disciplinary authorities and the Senate Committee on Appeals have rendered decisions to remove this comment on application by the student.
2. The proposed use of the grade comment '*discipline*' would be easier to recognize than the current 'CW'. As with the current use of the 'CW', the comment '*discipline*' would accompany an assigned grade. The grade comment would be considered as a formal reprimand as per the Student Discipline By-Law. The disciplinary authority must stipulate the duration of the grade comment. After the expiry of that time, the student may apply to the Registrar to remove the grade comment.
3. Transcript notations are currently used either separately or in conjunction with a grade comment to denote matters such as 'admission application irregularities', or 'student involved in act of academic dishonesty'. As with the grade comment, the disciplinary authority must stipulate the duration of the transcript notation and the student may apply to the Registrar to remove the notation after that time.
4. The proposal also recommends the use of the 'Comments' function on a Student History in the Student Information System to record brief statements regarding disciplinary decisions and actions. This would assist disciplinary authorities on an 'as needed' basis to acquire information about previous incidents. The Student History would then provide a central repository of discipline decisions at the University in addition to the annual University Discipline Committee (UDC) report.

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

5. The student shall be informed of this 'record' in their Student History by a letter from the disciplinary authority containing the decision and the disciplinary action. Access to the comments section is limited to those with access to the student information systems and who have a specific 'need to know'.
6. The student may apply to the disciplinary authority to have comments on the Student History removed.

Recommendations

The Senate Committee on Instruction and Evaluation recommends:

THAT Senate approve:

- the use of the grade comment: '*discipline*' and the discontinuance of the grade comment '*CW*' (compulsory withdrawal), and
- that the grade comment '*discipline*' and/or a transcript notation indicate a time period after which the student may apply to the Registrar to remove the grade comment and/or transcript notation.

THAT Senate approve the disciplinary authorities use of the '*Comments*' function on a Student History within the Student Information System to record a statement regarding a case of academic dishonesty, where allegation(s) have been upheld and a disciplinary action has been taken. The student may apply to the disciplinary authority to have these comments removed.

Respectfully submitted,

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

/mb



UNIVERSITY
OF MANITOBA

Student Services
Student Affairs

Executive Director
519 University Centre
Winnipeg, Manitoba
Canada R3T 2N2

Tel: (204) 480-1498
in Manitoba 1-800-432-1960
Fax (204) 474-7567

Date: July 16, 2010

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

From: Lynn M. Smith, Chair, Student Discipline Working Group

RE: Student Discipline Working Group Recommendations requiring Senate Approval

As Chair of the Student Discipline Working Group, I am writing to you as a follow up to the SCIE meeting held on June 10, 2010. At that meeting, the recommendations of the Student Discipline Working Group were discussed and it was agreed that I would provide to you a document that could be forwarded to Senate Executive and Senate.

Preamble

The Student Discipline Working Group was appointed by Joanne Keselman, Chair, Associate Deans Undergraduate /Undergraduate Liaison Officers (ADU/ULO) Network at the end of September 2009. The members of the Student Working Group are Ahmed Shalaby, Linda Wilson, Alex Wright, Betty Worobec, Sheryl Zelenitsky, Joyce Burns (Secretary) and Lynn Smith (Chair).

The primary reason for the establishment of the Working Group was because student discipline matters had been identified as a priority by the ADU/ULO Network.

The mandate of the Student Discipline Working Group was *'to enhance education and awareness regarding the new Student Discipline Bylaw'* and the following specific tasks were undertaken:

**STUDENT
AFFAIRS**

creating opportunities for student success

1. Development of resources related to the use of the Student Discipline Bylaw and student discipline matters
 - a. Roles and Responsibilities
 - b. Guidelines regarding Disciplinary Actions/Sanctions
 - c. Mechanisms and Best Practices.
2. Reporting and Communications including development of a Website.
3. Design and implementation of workshops for Heads, Deans/Directors, and Chairs of Appeal Committees.
4. Identification of any recommended edits to the Student Discipline Bylaw.

The Working Group also received two items from the OAR's Rules, Regulations and Red Tape (the 3 Rs) Committee:

- *Too much variety in the penalties assessed in student discipline cases that appear similar.*
- *Confusing rules governing the entry and removal of disciplinary comments on student transcripts.*

The Student Discipline Working Group met regularly over both terms. Discussions were focused on academic misconduct and members undertook various responsibilities to draft and review documents that would be of practical assistance to disciplinary authorities and staff. As work progressed on the mandated tasks the Working Group consulted with various UM 'experts' (including Tom Berry, Chair U.D.C. and Michelle Martin-Strong, Policy/Appeals Specialist).

A set of resources was created: Templates for Letters of notification to students of disciplinary matters (3 types); Sample Letters of notification to students (4 variations); Procedural Guidelines for Teaching Assistants, Academic Staff, Department Heads, and Deans; a Rubric containing guidelines for Disciplinary Actions/Sanctions; an outline describing Mitigating and Aggravating Factors; and an Academic Dishonesty Flowchart.

A Student Discipline Website was created and, at this time, the resources focus on academic misconduct for staff and students. The staff link leads to a 'hub' page that features all the resources listed above as well as additional links to, e.g., other educational resources, policies, and the UDC reports and forms. The site design permits further resources to be uploaded for non-academic misconduct as that content is developed.

On May 18, 2010, the Student Discipline Working Group presented its report to the ADU/ULO Network. All of the documents produced by the Working Group were made available for review and a 'tour' of the Website accompanied the presentation.

The following recommendations were submitted to the ADU/ULO Network and received approval. It was agreed that SCIE would be the appropriate sub-committee to review the recommendations and forward to Senate. It is also the desire of the Student Discipline Working Group and the ADU/ULO Network that these changes be effective as of September 1, 2010.

Recommendations

Several recommendations issued from the work of the Student Discipline Working group.

1. a. Disciplinary Authorities use the **Disciplinary** grade comment to indicate disciplinary action. Thus, Disciplinary Authorities shall cease the use of **CW** (Compulsory Withdrawal).

1. b. Disciplinary Authorities recognize that the **Disciplinary** grade comment can be removed as per the same options available to a Disciplinary Authority regarding Transcript Notations.

Rationale: The **Disciplinary** grade comment exists as an option in the comments field of Aurora. The use of **Disciplinary** is specific to student discipline matters and would be easily recognized as such. The use of CW is not as transparent and its use has been as a permanent grade notation, usually as an F-CW, in matters relating to discipline. This presents problems as Disciplinary Authorities have not specified the intended duration for the CW and, by default, it has been a permanent record on a transcript when it may not necessarily have been considered to be so.

The **Disciplinary** grade comment must always accompany the assigned final grade. In most cases this will be an F (e.g., F- Disciplinary) but not always.

The Disciplinary Authority can stipulate the duration that the **Disciplinary** comment and/or the Transcript Notation remains on the Transcript, and that the **Disciplinary** and/or the Transcript Notation can be removed upon request to the Registrar by the Student after a designated time. It is an option to have either or both the **Disciplinary** comment and Transcript Notation remain permanently on the Transcript although this use would be for the most egregious cases.

In summary, the use of the **Disciplinary** comment with the options available as per the Transcript Notation permits the Disciplinary Authority to use additional options for disciplinary actions that enhance clarity and fairness.

2. Disciplinary Authorities may use the '**Comments**' function on a Student History to record a statement regarding a case of Academic Dishonesty, where allegation(s) have been upheld and a disciplinary action has been taken.

Rationale: Currently, there is no central repository of discipline decisions at the university other than the annual U.D.C. report. This report, while providing a helpful overview, does not provide up-to-date information about students who have been found in violation of the Student Discipline Bylaw. The UM can implement a central record of discipline matters by using the Comments section of the Student History to record brief statements regarding disciplinary decisions and actions. This would assist Disciplinary Authorities, on an 'as needed' basis to acquire information about previous incidences.

The student shall be informed of this 'record' in the letter from the disciplinary authority containing the decision and the disciplinary action. Access to the Comments section is limited to those with access to the student information system and who have a specific 'need to know'.

In summary, the Student Discipline Working Group recommends that, as of September 1, 2010

1. a. Disciplinary Authorities use the **Disciplinary** grade comment to indicate a discipline sanction. Thus, disciplinary authorities shall cease the use of **CW** (Compulsory Withdrawal).

1. b. Disciplinary Authorities recognize that the **Disciplinary** grade comment can be removed as per the same options available to a Disciplinary Authority regarding Transcript Notations.

2. Disciplinary Authorities are able to use the **'Comments'** function on a Student History to record a statement regarding a case of Academic Dishonesty, where allegation(s) have been upheld and a disciplinary action has been taken.

Thank you in advance for your assistance and please do not hesitate to contact me if you require additional information or would like to discuss this request.

- c. Dr. Joanne Keselman, Vice-President (Academic) and Provost
Ms. Meg Brolley, Secretary, Senate Committee on Instruction and Evaluation
Members, Student Discipline Working Group

Report of the Senate Committee on Instruction and Evaluation RE: Revisions to the Voluntary Withdrawal Limit in School Experience Courses, progression degree GPA for Post-Baccalaureate Diploma in Education, Revision to progression degree GPA, Internationally Educated Teachers Programs, Faculty of Education

Preamble:

1. The terms of reference for the Senate Committee on Instruction and Evaluation (SCIE) are found on the web at:
http://umanitoba.ca/admin/governance/governing_documents/governance/sen_committees/502.htm
2. The Committee met on the above date to consider three proposals from the Faculty of Education.

Observations:

1. Undergraduate students in Education are required to complete practicum courses as part of their program and certification requirements. The Faculty proposes to allow for only one voluntary withdrawal from these courses; this would not impact situations where an authorized withdrawal would be appropriate.
2. The Faculty is proposing that regulations for the Post-Baccalaureate Diploma program mirror that of the undergraduate programs in that the passing grade be increased from a "D" to a "C" on all courses and that the degree GPA for progression be increased from the current 2.00 to 2.50.
3. The Faculty proposes that the passing grade be increased to "C" and the degree GPA be increased to 2.50 for the Internationally Educated Teachers (IET) program to align it with other programs in the Faculty.

Recommendations

The Senate Committee on Instruction and Evaluation recommends:

THAT Senate approve the proposals of the Faculty of Education:

- A limit of one voluntary withdrawal on the following courses: EDUB 1940 Integrated Programs School Experience 1, EDUB 1950 Integrated Programs School Experience 2, EDUB 1960 Early Years School Experience 1, EDUB 1960 Early Years School Experience 2, EDUB 1970 Middle Years School Experience 1, EDUB 1970 Middle Years School Experience 2, EDUB 1980 Senior Years School Experience 1, and EDUB 1980 Senior Years School Experience 2.
- The increase in passing grade from "D" to "C" and the increase of progression degree GPA from 2.00 to 2.50 in the Post-Baccalaureate Diploma Program.
- The increase in passing grade from "D" to "C" and the increase of progression degree GPA from 2.00 to 2.50 in the Internationally Educated Teachers Program.

Respectfully submitted,

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

/mb

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

Report of the Senate Committee on Instruction and Evaluation RE: Modification of regulations for 'Dean's Honour Roll' , Faculty of Agricultural and Food Sciences

Preamble:

1. The terms of reference for the Senate Committee on Instruction and Evaluation (SCIE) are found on the web at:
http://umanitoba.ca/admin/governance/governing_documents/governance/sen_committees/502.htm
2. The Committee met on the above date to consider a proposal from the Faculty of Agricultural and Food Sciences to modify the criterion for calculating Dean's Honour Roll.

Observations:

1. Current regulations require students to complete 12 credit hours in a single term with a term GPA of 3.5 or higher. Students who take less than 12 credit hours in the final term of their degree, therefore, may find that they graduate '*with distinction*' but do not qualify to be on the Dean's Honour Roll.
2. The Faculty proposes that the criterion be expanded to allow students who have a term GPA of 3.5 or higher in their final term but less than 12 credit hours may qualify to remain on the Dean's Honour Roll provided they qualified for Dean's Honour Roll in the preceding term.
3. The modification to the regulation proposed is as follows:

Dean's Honour Roll

Students who have completed a minimum of 12 credit hours of study in either the Fall or Winter terms and who achieved a Term GPA of 3.50 or higher will be placed on the Dean's Honour Roll. Graduating students who achieved Dean's Honour Roll status in the previous term but complete less than 12 credit hours in their final term with a Term GPA of 3.50 or greater, will be eligible to remain on the Dean's Honour Roll.

Recommendations

The Senate Committee on Instruction and Evaluation recommends:

THAT Senate approve the modification to the Dean's Honour Roll in the Faculty of Agricultural and Food Sciences to allow students with a term GPA of 3.50 or less than 12 credit hours in their final term remain on the Dean's Honour Roll having achieved this the previous term.

Respectfully submitted,

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

/mb

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

REPORT OF THE SENATE COMMITTEE ON AWARDS – PART B

Preamble

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

On behalf of Senate, to approve and inform Senate of all new offers and amended offers of awards that meet the published guidelines presented to Senate on November 3, 1999, and as thereafter amended by Senate. Where, in the opinion of the Committee, acceptance is recommended for new offers and amended offers which do not meet the published guidelines or which otherwise appear to be discriminatory under the policy on the *Non-Acceptance of Discriminatory Scholarships, Bursaries or Fellowships*, such offers shall be submitted to Senate for approval. (Senate, April 5, 2000)

Observation

In an electronic poll conducted between June 21 and July 5, 2010, the Senate Committee on Awards reviewed one new offer, the Lee Dunlop Anderson Centennial Bursary, which appears to be discriminatory according to the *Policy for Non-Acceptance of Discriminatory Scholarships, Bursaries or Fellowships*.

Recommendation

The Senate Committee on Awards recommends that Senate and the Board of Governors approve one new offer, the Lee Dunlop Anderson Centennial Bursary, as set out in Appendix A of the *Report of the Senate Committee on Awards- Part B* (dated July 5, 2010).

Respectfully submitted,

Dr. Philip Hultin
Chair, Senate Committee on Awards

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

Appendix A

MEETING OF THE SENATE COMMITTEE ON AWARDS July 5, 2010

1. NEW OFFER

Lee Dunlop Anderson Centennial Bursary

In recognition of the 100th anniversary of the Faculty of Human Ecology, Lee Dunlop Anderson (B.Sc.(H.Ec.)/63, (B.Ed./80)) has established an endowment fund with an initial gift of \$20,792, in 2006, at the University of Manitoba. The available annual interest from the fund will be used to offer one bursary to an undergraduate student who:

- (1) is enrolled as a full-time student in the Faculty of Human Ecology at the University of Manitoba;
- (2) has achieved a minimum degree grade point average of 2.5;
- (3) has demonstrated leadership and volunteer experience;
- (4) has demonstrated financial need on the standard University of Manitoba bursary application form.

Preference will be given to an Aboriginal student.

Applicants will be required to submit (a) the Supplemental Application Form for the Lee Dunlop Anderson Centennial Bursary to the selection committee by the designated deadline date and (b) the standard bursary application form to the Financial Aid and Awards Office by October 2nd.

The selection committee will be the Academic Standing Committee of the Faculty of Human Ecology.

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

(Attachments I and II)



UNIVERSITY
OF MANITOBA

Faculty of Human Ecology
Office of the Dean

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h_ecology@umanitoba.ca

June 16, 2010

Senate Committee on Awards

Subject: Lee Dunlop Anderson Youth Centennial Bursary

To Whom It May Concern:

The Faculty of Human Ecology is committed to growth in Aboriginal Human Ecology education consistent with this priority. I am writing in support of the Lee Dunlop Anderson Youth Centennial Bursary.

During Regular Session 2007-2008, a total of 25 Aboriginal students are studying in the Faculty of Human Ecology, approximately 5.6% of the Human Ecology student population. As Aboriginal peoples represent 15% of Manitoba's population*, Aboriginal students are under-represented in the Faculty of Human Ecology in comparison to the general population.

Over the past five years, the ratio of Aboriginal students enrolled in the Faculty of Human Ecology relative to the total number of Human Ecology students (full and part-time) was:

Fall 2005, eleven (11) or 2.5% of the Human Ecology population;
Fall 2006, nineteen (19) or 3.8% of the Human Ecology population;
Fall 2007, twenty five (25) or 5.6% of the Human Ecology population;
Fall 2008, twenty seven (27) or 6 % of the Human Ecology population;
Fall 2009, twenty seven (27) or 6.5% of the Human Ecology population.

Clearly, Aboriginal students have a history of being under-represented relative to the total Human Ecology student population.

The Lee Dunlop Anderson Youth Centennial Bursary may provide support to Aboriginal students enrolled full-time in the Faculty of Human Ecology. Given the University of Manitoba's commitment to the growth of Aboriginal education, and given the under-representation of Aboriginal students in the Faculty of Human Ecology, I strongly support the offering of this bursary.

Sincerely,

Gustaaf Sevenhuysen, Ph.D.
Dean

/ad

*Statistics Canada, 2006 Census



ABORIGINAL STUDENT CENTRE

June 15, 2010

Dr. Phil Hultin
Chair, Senate Committee on Awards
C/o Ms. Shannon Coyston
Awards Establishment Coordinator
422 University Centre

Dear Dr. Hultin & Senate Committee;

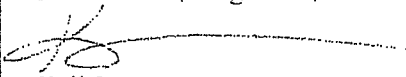
Please accept this letter as formal support for the Lee Dunlop Anderson Centennial Bursary designed to assist full-time students in the Faculty of Human Ecology who have demonstrated leadership, volunteerism and financial need. Preference for Aboriginal students has also been identified.

As the Director of the Aboriginal Student Centre, I can verify that financial strain is the leading cause for Aboriginal students leaving school before graduation. It is common knowledge that many Aboriginal peoples live in poverty and whereas a university education can help rectify this, most cannot afford to do so. It is commendable that the Faculty of Human Ecology, Ms. Lee Dunlop Anderson, and the University of Manitoba have recognized this parity and are willing to identify the need for Aboriginal student preference.

The number of Aboriginal students attending the University of Manitoba continues to increase and this is partially due to the financial assistance made available through programs and faculties. The Lee Dunlop Anderson Centennial Bursary through the Faculty of Human Ecology is an example of a Faculty wanting to assist with the financial difficulties faced by some of their students. For many Aboriginal students, attending university requires moving away from home knowing there is little or no financial assistance available from their families should they need it. Having bursaries available can make a huge difference in the success rate of students with financial need.

The University of Manitoba has 1883 self declared Aboriginal students with 26 registered in the Faculty of Human Ecology*. I trust that the Senate committee will approve this bursary and others like it, in the hopes of increasing the recruitment and retention of Aboriginal students in the Faculty of Human Ecology.

In education, miigwetch,


Kali Storm
Director, Aboriginal Student Centre

* University of Manitoba Office of Institutional Analysis statistics from the fall 2009

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Fax: 204-275-3142
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AWARDS OFFICE

UNIVERSITY OF
MANITOBA

Report of the Senate Committee on Curriculum and Course Changes on a Proposal to Introduce a Bachelor of Science (Major) and Co-op Major Degree in Genetics

Preamble

1. The terms of reference for the Senate Committee on Curriculum and Course Changes (SCCCC) are found on the website at:
http://www.umanitoba.ca/admin/governance/governing_documents/governance/sen_committees/497.htm.
2. The Senate Committee on Curriculum and Course Changes considered a proposal to introduce a Bachelor of Science (Major) and Co-op Major Degree in Genetics at its meeting on March 17, 2010.

Observations

1. The Faculty of Science offers an interdisciplinary program leading to a B.Sc. (Honours) degree in Genetics. At present, students who do not meet academic requirements for the Honours Genetics program but wish to remain in a 4 year program must choose to enter a Major program in Microbiology, Chemistry or Biochemistry. In most cases students in this situation must take several additional courses to meet the requirements of the major. In addition, the Honours program is not available to students on a part-time basis.
2. The introduction of a Major program will allow students to pursue part-time study and will also allow those who do not satisfy the academic requirements of the Honours program to obtain a 4 year B.Sc. in this discipline.
3. No additional resources are required to offer this program. The proposed Major is a modification of the existing Honours program and no new courses will be introduced for the major program.

Recommendation

The Senate Committee on Curriculum and Course Changes recommends THAT:

Senate approve and recommend to the Board of Governors, the proposal to introduce a Bachelor of Science (Major) and Co-op Major Degree in Genetics

Respectfully submitted,

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

/mb

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

GENETICS PROGRAM
Program Introduction
2011-2012

**Bachelor of Science (4 year Major) in Genetics with a Co-operative option, Approved by
Senate _____**

SECTION I: PROGRAM DESCRIPTION

1.1 Description of the program as it would appear in the Catalogue:

The Faculty of Science offers an interdisciplinary program leading to a B.Sc. (Majors) degree in Genetics. Genetics is the science of heredity dealing with the mechanisms of inheritance and has generated concepts basic to modern biology. Three areas are represented in this program: classical genetics, population genetics, and molecular genetics. Courses from Agriculture and Food Sciences (Department of Plant Science), Arts (Department of Anthropology), Medicine (Departments of Biochemistry and Medical Genetics) and Science (Departments of Biological Sciences, Chemistry and Microbiology) are included in this program.

1.2 Program requirements

Entrance requirements: To enter the Genetics Major program, students must have a minimum grade of "C+" in BIOL 1030, and a minimum of "C" in CHEM 1310. STAT 1000, MATH 1500 and the additional 3 credit hours of specified Mathematics courses are program requirements and students are strongly urged to complete these courses in first year.

- 1.2.1** It is strongly recommended that STAT 1000, MATH 1500 and one of MATH 1200, MATH 1300, or MATH 1700 be completed in first year. In addition, students must satisfy the Faculty of Science requirements for entry into Major programs. That is a minimum Degree GPA (DGPA) of 2.0 on all courses completed at the end of Year 1 (minimum 24 credit hours). The Genetics Program Coordinator must approve a student's major program each session. Students must also obtain approval for any and all revisions to their program. Existing university repeat rules will be followed. Entry requirements for the Cooperative option will remain the same as for a student in the existing Genetics (Honours) program.

Courses required for admission

Credit hours

BIOL 1020 Biology 1: Principles and Themes	3
BIOL 1030 Biology 2: Biological Diversity, Function and Interactions	3
CHEM 1300 Chemistry: Structure and Modeling	3
CHEM 1310 Chemistry: Introduction to Physical Chemistry	3
STAT 1000 Basic Statistical Analysis I	3
MATH 1500 Introduction to Calculus	3
and one of	
MATH 1200 Elements of Discrete Mathematics	3
MATH 1300 Vector Geometry and Linear Algebra	3
MATH 1700 Calculus 2	3

- 1.2.2 Continuation and graduation requirements:** Once accepted, Faculty of Science Academic Regulations for Majors Programs will apply. To proceed from year 2 to year 3 and from year 3 to year 4, students must maintain a minimum Degree Grade Point Average of 2.5. To graduate with the B.Sc. Major Degree, a student must maintain a minimum 2.5 DGPA, achieve a minimum grade of “C” in all required and optional courses that contribute to the major. Students will have to complete a Common Core of required courses in addition to 33 credit hours from the options list, 15 of which must be at the 4000 level.

<u>Required Core Courses</u>	<u>Credit hours</u>
ONE of ANTH 2890 Human Population Genetics, ANTH 2560 Anthropology of Illness, ANTH 2240 Plagues and People, ANTH 2860 Evolution and Human Diversity	3
BGEN 3020 Introduction to Human Genetics	3
BIOL 2500 Genetics 1	3
BIOL 2520 Cell Biology	3
BIOL 3500 Genetics 2	3
CHEM 2210 Introductory Organic Chemistry I: Structure and Function	3
CHEM 2220 Introductory Organic Chemistry II: Reactivity and Synthesis	3
CHEM 2360 Biochemistry 1: Biomolecules and an Introduction to Metabolic Energy	3
CHEM 2370 Biochemistry 2: Catabolism, Synthesis and Information Pathways	3
MBIO 1010 Microbiology I (replacing MBIO 2100)	3
MBIO 2020 Microbiology II (replacing MBIO 2110)	3
MBIO 3410 Molecular Genetics	3
PLNT 3140 Introductory Cytogenetics	3
STAT 2000 Basic Statistical Analysis II	3

<u>Optional Courses</u>	<u>Credit hours</u>
ANSC 3500 Principle of Animal Genetics	3
ANSC 4280 Applied Animal Genetics	3
BGEN 4010 Projects in Human Genetics	3
BIOL 2410 Human Physiology I	3
BIOL 2420 Human Physiology II	3
BIOL 2540 Developmental Biology	3
BIOL 3300 Evolutionary Biology	3
BIOL 3560 Comparative Animal Histology	3
BIOL 4500 Molecular Genetics of Plant Development	3
BIOL 4540 Developmental Molecular Biology	3
BIOL 4542 Genes and Development	3
BIOL 4560 Microtechnique	3

CHEM 2280 Physical Chemistry; Microscopic Descriptions of Matter	3
CHEM 2290 Chemical Energetics and Dynamics: Microscopic Descriptions	3
CHEM 4360 Signalling and Regulation of Gene Expression	3
CHEM 4370 Glycobiology and Protein Activation	3
CHEM 4620 Biochemistry of Nucleic Acids	3
CHEM 4630 Biochemistry of Proteins	3
COMP 1010 Introductory Computer Science 1	3
COMP 1020 Introductory Computer Science 2	3
COMP 1260 Introductory Computer Usage 1	3
COMP 1270 Introductory Computer Usage 2	3
FORS 2000 Introductory Forensic Science	3
MBIO 3010 Mechanisms of Microbial Disease	3
MBIO 3430 Molecular Evolution	3
MBIO 3440 Microbial Physiology	3
MBIO 3450 Regulation of Biochemical Processes	3
MBIO 3460 Membrane and Cellular Biochemistry	3
MBIO 4010 Immunology	3
MBIO 4410 Virology	3
MBIO 4530 Project in Microbiology	3
MBIO 4540 Biological Energy Transduction	3
MBIO 4670 Applied Molecular Biology	3
MBIO 4600 Molecular Genetics of Prokaryotes	3
MBIO 4610 Molecular Genetics of Eukaryotes	3
PLNT 2530 Genetics	3
PLNT 3500 Plant Physiology	3
PLNT 3520 Principles of Plant Improvement	3
PLNT 4330 Intermediate Plant Genetics	3
PHYS 1020 General Physics 1	3
PHYS 1030 General Physics 2	3
PHYS 1050 Physics 1: Mechanics	3
PHYS 1070 Physics 2: Waves and Modern Physics	3

<u>Recommended Electives</u>	<u>Credit hours</u>
BIOE 3200 Environmental Engineering for Non-Engineers	3
BIOE 3530 Engineering Fundamentals	3
BIOE 4510 Agricultural Waste Management	3
BIOL 1300 Economic Plants	3
BIOL 2240 The Non-Flowering Plants	3
BIOL 2180 Introductory Toxicology	3
BIOL 2260 Biology of Fungi and Lichens	3
BIOL 2300 Principles of Ecology	3
BIOL 3290 Medicinal and Hallucinogenic Plants	3
BIOL 3540 Advanced Cell and Development Biology	3
BIOL 3550 Plant Anatomy	3
BIOL 4240 Advanced Plant Systematics	3
BIOL 4312 Analysis of Biological Communities	3
BIOL 4320 Ecological Methods	3
BIOL 4550 Molecular Biology for Plants and Fungi	3
CHEM 4590 Bioanalytical Methods	3
CHEM 4670 Drug Design and Drug Delivery	3
CHEM 4700 Advanced Biochemistry Laboratory	3
ENG 1420 Engineering Processes for Non-Engineering Students	3
ENTR 2020 Starting a New Business	3
MBIO 3470 Microbial Systematics	3
MBIO 3480 Microbial Diversity	3
MBIO 4470 Fermentations	3
PHAC 4030 Drugs in Human Disease I	3
PHAC 4040 Drugs in Human Disease II	3
PHIL 2740 Ethics in Biomedicine	3
PHIL 2830 Business Ethics	3
PLNT 3570 Fundamentals of Plant Pathology	3
PLNT 4540 Plant Genomics	3
PLNT 4550 Developmental Plant Biology	3
PLNT 4560 Secondary Plant Metabolism	3
PLNT 4570 Research Methods in Plant Pathology	3
PLNT 4580 Molecular Plant-Microbe Interactions	3
PLNT 4590 Physiology of Crop Plants	3
PLNT 4600 Issues in Agricultural Biotechnology	3

**Four Year Major in Genetics
Proposed Program 2010-2011**

Genetics			
University 1	YEAR 2	YEAR 3	YEAR 4
Four Year Major 120 Credit (Comprising courses listed below and listed optional or elective courses)			
CHEM 1300, CHEM 1310, BIOL 1020, BIOL 1030, STAT 1000	BIOL 2500, CHEM 2210, CHEM 2220, CHEM 2360, CHEM 2370, STAT 2000, BIOL 2520, MBIO 1010, MBIO 2200	BIOL 3500, PLNT 3140, BGEN 3020 one of: ANTH 2240 or ANTH 2560 or ANTH 2860 or ANTH 2680, Plus 33 credit hours of courses from the options list, 15 of which must be at the 4000 level	
MATH 1500 Plus either MATH 1200, MATH 1300 or MATH 1700 6 credit hours of electives or from the list of optional courses In University 1 or year 2: 6 credit hours from the Faculty of Arts, which should include the required "W" course			
30 hours	30 hours	30 hours	30 hours
Four Year Major Cooperative Option 120 Credit (Comprising courses listed below and listed optional or elective courses)			
CHEM 1300, CHEM 1310, BIOL 1020, BIOL 1030, STAT 1000	BIOL 2500, CHEM 2210, CHEM 2220, CHEM 2360, CHEM 2370, STAT 2000, BIOL 2520, MBIO 1010, MBIO 2020	BIOL 3500, PLNT 3140, BGEN 3020 One of: ANTH 2240 or ANTH 2560 or ANTH 2860 or ANTH 2890 MBIO 3980, MBIO 3990, MBIO 4980 and/or MBIO 4990 Plus 33 credit hours of courses from the options list, 15 of which must be at the 4000 level	
MATH 1500 Plus either MATH 1200, MATH 1300 or MATH 1700 6 credit hours of electives or from the list of optional courses In University 1 or year 2: 6 credit hours from the Faculty of Arts, which should include the required "W" course			
30 hours	30 hours	30 hours	30 hours

Note: The courses in this program will satisfy the University mathematics requirement.

1.2.3 Course Descriptions

Required for admission:

BIOL 1020 - Biology 1: Principles and Themes (Lab Required) A laboratory-based course in unifying principles of biology including cell biology, bioenergetics, cell division, genetics and evolution. This course is intended for major and honours students in the Biological Sciences. Not to be held with BIOL 1021, BIOL 1000, BIOL 1001 (071.100), BIOE 2590 (034.259), or the former 071.125, 071.123 or 071.201. Prerequisite: Biology 40S (or equivalent) or BIOL 1000 (C); and any 40S Mathematics. (Starting in Fall 2010, students will require 40S Biology, 40S Mathematics, and one of 40S Chemistry or 40S Physics). Students who complete BIOL 1000 as the prerequisite for BIOL 1020 will not be allowed to use both BIOL 1000 and BIOL 1020 towards their degree program as the two courses may not be held for credit with one another. 3.000 Credit Hours

BIOL 1030 - Biology 2: Biological Diversity, Function and Interactions (Lab Required) A laboratory-based course introducing biological diversity including prokaryotes, protists, fungi, plants and animals; the form and function of plants and animals and basic concepts of ecology. This course is intended for major and honours students in the Biological Sciences. Not to be held with BIOL 1031, BIOL 1010 or BIOL 1011 (071.101), BIOE 2590 (034.259), or the former 071.125, 071.123 or 071.201. Prerequisite: BIOL 1020 or BIOL 1021 (C). NOTE: BIOL 1030 is a prerequisite to further courses in Microbiology and to most courses in Biological Sciences. It is also intended for students proceeding to Agricultural and Food Sciences, Dentistry, Human Ecology, Medicine, Optometry, Pharmacy, Veterinary Science, Physical Education and Science.

CHEM 1300 - University 1 Chemistry: Structure and Modelling in Chemistry (Lab Required) (Formerly 002.130) Atomic and molecular models and their applications to chemistry, including a discussion of solid, liquid, and gaseous states, and of mixtures. Not to be held with CHEM 1301. Prerequisites: Applied Mathematics 40S or Pre-calculus Mathematics 40S, or the former Mathematics 40S (300); and Chemistry 40S (or equivalent) or CHEM 0900 (002.090) (P), or a minimum grade of "B" in CHEM 1000 or CHEM 1001 (002.100).

CHEM 1310 - University 1 Chemistry: An Introduction to Physical Chemistry (Lab Required) (Formerly 002.131) Thermochemistry, chemical thermodynamics, and chemical kinetics. Prerequisite: CHEM 1300 or CHEM 1301 (002.130) (C).

STAT 1000 - Basic Statistical Analysis 1 (Formerly 005.100) An introduction to the basic principles of statistics and procedures used for data analysis. Topics to be covered include: gathering data, displaying and summarizing data, examining relationships between variables, sampling distributions, estimation and significance tests, inference for means. Not to be held with STAT 1001, STAT 2220 (005.222). Prerequisite: Any grade 12 or 40S Mathematics, or equivalent.

MATH 1500 - Introduction to Calculus (Lab Required) (Formerly 136.150) Differentiation and integration of elementary functions, with applications to maxima and minima, rates of change, area, and volume. Not to be held with MATH 1501, MATH 1510 (136.151), MATH 1520 (136.152), the former 136.153, the former MATH 1680 (136.168), or MATH 1690

(136.169). Prerequisite: a minimum grade of 60% in Pre-calculus Mathematics 40S or the former Mathematics 40S (300), or a grade of 60% or better in the Mathematical Skills course taught by Extended Education.

MATH 1200 - Elements of Discrete Mathematics (Lab Required) (Formerly 136.120)

Sequences and series, trigonometry, complex numbers, algebra of polynomials, approximation of zeros of functions, linear difference equations. Not to be held with MATH 1210, or MATH 1201. Not available to any student holding credit in any Mathematics course numbered 2000 or higher, unless MATH 1200 is a required course in a student's program. Prerequisite: a minimum grade of 60% in Pre-calculus 40S or the former Mathematics 40S (300), or a grade of 60% or better in the Mathematical Skills course taught by Extended Education.

MATH 1300 - Vector Geometry and Linear Algebra (Lab Required) (Formerly 136.130) An introduction to vectors, matrices, systems of linear equations and three-dimensional geometry. Not to be held for credit with MATH 1210, MATH 1310 (136.131), MATH 1301, or the former MATH 1680 (136.168). Prerequisite: a minimum grade of 60% in Pre-calculus Mathematics 40S or the former Mathematics 40S (300), or a grade of 60% or better in the Mathematical Skills course taught by Extended Education. NOTE: A minimum grade of 70% in Applied Mathematics 40S may be used as a prerequisite to this course.

MATH 1700 - Calculus 2 (Lab Required) (Formerly 136.170) Theory and techniques of integration, curve sketching, volume, arc length, surface area and partial derivatives. Not to be held with MATH 1690 (136.169), MATH 1701, MATH 1710 (136.171), or the former 136.173. Prerequisite: A grade of "C" or better in one of MATH 1500, MATH 1501 (136.150), MATH 1510 (136.151), MATH 1520 (136.152), the former 136.153, or the former MATH 1680 (136.168).

Required Core courses:

One ANTH course from:

ANTH 2240 - Plagues and People Examines selected plagues in evolutionary, ecological, and epidemiological context, and considers the complex biological, social, and economic repercussions for human populations. Foci include past, present, and emerging infectious disease epidemics.

ANTH 2560 – Anthropology of Illness (Formerly 076.256) Comparative study of cultural factors involved in health/illness: concepts of disease and curing practices. Prerequisite: [a grade of "C" or better in one of: ANTH 1220 (076.122) or ANTH 1221 (076.122) or ANTH 1520 (076.152) or the former 076.120] or written consent of instructor.

ANTH 2860 – Evolution and Human Diversity (Formerly 076.286) An introduction to the interacting roles of heredity, culture and environment in human families and populations. Introduces the biological bases for variation within/between human populations. Prerequisite: [a grade of "C" or better in one of: ANTH 1210 (076.121) or ANTH 1211 (076.121) or the former 076.120] or written consent of instructor.

ANTH 2890 - Human Population Genetics (Formerly 076.289) Intensive study of the evolutionary implications of genetic variation within/between human populations in relationship to ecological and cultural variation. Prerequisite: [a grade of "C" or better in ANTH 2860 (076.286)] or written consent of instructor.

BGEN 3020 Introduction to Human Genetics Principles necessary to understand and study genetically controlled malformations and diseases and variation in individuals and in populations. Two terms. Lectures, tutorials and assignments.

BIOL 2500 - Genetics 1 (Lab Required) (Formerly BOTN 2460, 001.246) Principles of heredity, gametogenesis and the cytological basis of inheritance in plants and animals. The concepts of dominance and genetic interaction, sex and inheritance, linkage, chromosomal variations, quantitative and population genetics, the genetic code. Not to be held with BOTN 2461, or PLNT 2520 (039.252). Prerequisite: one of BIOL 1030, BIOL 1031, or the former 071.125 (C).

BIOL 2520 - Cell Biology (Formerly ZOOL 2280, 022.228) The microscopic and submicroscopic aspects of cellular structure and function are considered with emphasis on the living cell as a dynamic system. Not to be held with ZOOL 2281. Prerequisite: one of BIOL 1030, BIOL 1031, or the former 071.125 (C).

BIOL 3500 - Genetics 2 (Lab Required) (Formerly BOTN 3460, 001.346) The course complements introductory genetics BIOL 2500 (or equivalent - BOTN 2460, 001.246, BOTN 2461) and deals with various aspects of linkage and crossing over, gene function, allelism, mutation and repair, the use of bacteria and viruses as genetic tools, basics of developmental genetics and extra-nuclear inheritance. Prerequisite: BIOL 2500 (BOTN 2460, 001.246) (C), or BOTN 2461, or PLNT 2520 (039.252 or 039.209) (C). Prerequisite or concurrent requirement: One of CHEM 2370, CHEM 2371 (002.237), MBIO 2370, MBIO 2371 (060.237), CHEM 2780 (002.278), or MBIO 2780 (060.278); or consent of department.

CHEM 2210 - Introductory Organic Chemistry 1: Structure and Function (Lab Required) (Formerly 002.221) An introduction to the concepts of organic reactivity and bonding in organic molecules. Preparation and properties of functionalized organic molecules. Not to be held with CHEM 1320 (002.132) or CHEM 2211. Prerequisite: CHEM 1310 or CHEM 1311 (002.131) (C).

CHEM 2220 - Introductory Organic Chemistry 2: Reactivity and Synthesis (Lab Required) (Formerly 002.222) An introduction to the reactivity of organic compounds and organic spectroscopy. The application of functional group interconversions to syntheses. Not to be held with CHEM 2221. Prerequisite: CHEM 2210 or CHEM 2211 (002.221) (C).

CHEM 2360 - Biochemistry 1: Biomolecules and an Introduction to Metabolic Energy (Lab Required) (Formerly 002.236) An introductory course dealing with kinds of molecules encountered in biochemistry, and the concept of metabolic energy as a product of catabolism and

a requirement for biosynthesis. This course is also given in Microbiology as MBIO 2360. Not to be held with CHEM 2361, CHEM 2770 (002.277), MBIO 2360, MBIO 2361 (060.236), or MBIO 2770 (060.277). Prerequisites: CHEM 1310 or CHEM 1311 (002.131) (C); and one of BIOL 1030, BIOL 1031, or the former 071.125 (C). NOTE: Students may hold this course for credit in the B.Sc. General Degree program, but may not use it to fulfill the minimum requirement of 12 credit hours in 2000 level Chemistry (pre-September 2008 regulations). Those students following the new General Degree regulations (effective 2008-09) are able to use this course as part of the 18 credit hours of advanced level Chemistry or Microbiology.

CHEM 2370 - Biochemistry 2: Catabolism, Synthesis, and Information Pathways (Lab Required) (Formerly 002.237) An introductory course dealing with the basic metabolic processes that occur in living cells, including the production and use of metabolic energy, the breakdown and synthesis of biomolecules; the synthesis of DNA, RNA and proteins; and the regulation of these processes. This course is also given in Microbiology as MBIO 2370. Not to be held with CHEM 2371, CHEM 2780 (002.278), MBIO 2370, MBIO 2371 (060.237), or MBIO 2780 (060.278). Prerequisites: one of CHEM 2360, CHEM 2361 (002.236), MBIO 2360, or MBIO 2361 (060.236); and CHEM 2210 or CHEM 2211(002.221), both courses with a minimum grade of "C". NOTE: Students may hold this course for credit in the B.Sc. General Degree program, but may not use it to fulfill the minimum requirement of 12 credit hours in 2000 level Chemistry (pre-September 2008 regulations). Those students following the new General Degree regulations (effective 2008-09) are able to use this course as part of the 18 credit hours of advanced level Chemistry or Microbiology.

MBIO 1010 - Microbiology I (Lab Required) Topics will include the definition and history of microbiology, concepts of practical microbiology, prokaryotic cell structure, prokaryotic specialization in gene expression and transfer of genetic information, the role of microbes in environments including the human body, and applications of microbiology to food production and biotechnology. Not to be held with the former MBIO 2100 (MBIO 2101) or MBIO 2110 (MBIO 2111). Pre- or co-requisite: BIOL 1020

MBIO 2020 - Microbiology II (Lab Required) Topics will include bacterial growth, chromosome replication, the specifics of transcription and translation and their application to the regulation of microbial gene expression. Families of bacterial and animal viruses, their modes of reproduction and pathogenicity will be discussed. Mutation and gene transfer in bacterial will be introduced. Not to be held with the former MBIO 2110 (60.211). Prerequisites: MBIO 1XY0 and one of CHEM 1310, CHEM 1311 or CHEM 1320 (002.132) (C).

MBIO 3410 - Molecular Biology (Formerly 060.341) A rigorous treatment of the foundations of modern day molecular biology as it pertains to molecular disease, gene and cell manipulation, and cellular controls. Not to be held with MBIO 3411. Prerequisites: One of MBIO 2370, MBIO 2371 (060.237), CHEM 2370, CHEM 2371 (002.237), MBIO 2780 (060.278), or CHEM 2780 (002.278) (C); and one of MBIO 2110, MBIO 2111 (060.211), MBIO 2020 (C), BIOL 2520 (ZOOL 2280, ZOOL 2281, or 002.228) (C), or BIOL 2500 (BOTN 2460, BOTN 2461, or 001.246).

PLNT 3140 - Introductory Cytogenetics (Formerly 039.314) An introduction to the structure and function of eukaryotic genomes, from the gene to the chromosome. Topics include the cell cycle, meiosis, chromatin, chromosome and genome organization, karyotyping, changes in chromosome number and structure, physical mapping and chromosome evolution. Labs cover use of the microscope, meiosis, chromosome staining and banding, and bioinformatic analysis of chromosomes. Prerequisites: PLNT 2520 (or 039.252) or BOTN 2460 (or 001.246).

STAT 2000 - Basic Statistical Analysis 2 (Formerly 005.200) The study of estimation and hypothesis testing procedures for means and proportions in one, two and multiple sample situations, introduction to the analysis of variance; regression and correlation analysis; optional topics may include nonparametric procedures, design of experiments, probability models. Not to be held with STAT 2001. Prerequisite: STAT 1000 (005.100) (C), or STAT 1001 (C).

1.3 Educational Objectives: The current Honours and proposed majors program in Genetics includes all aspects of genetics from basic genetics to molecular, plant, human, population and applied genetics. This provides the students a complete understanding of the discipline in a variety of fields

1.4 Expected learning outcomes: Genetics is the Science of heredity dealing with the mechanisms of inheritance. Students enrolled in the proposed program will learn basic molecular processes involved in gene transfer, applicable to both plants and animals, to techniques employed for genetic manipulation and population level, statistical and mathematical techniques used in public health sectors. Employment opportunities in innovative fields are wide ranging.

1.5 Selective admissions: Not applicable

1.6 Institutional Mission and planning priorities: In accordance with the 2009-2014 University of Manitoba Strategic Planning Framework. Academic Enhancement and innovations in academic programs is the number 1 priority. The proposed interdisciplinary 4 year Genetics (Major) program builds on “existing excellence”. Currently, part-time students cannot enrol in the Genetics (Honours) program this proposal will enhance accessibility for students in a number of faculties across and between the two campuses at the University of Manitoba. This fosters “experimentation and exploration” within the students enrolled in the program “maximising opportunities for learning”. The rigor and course requirements of the existing Honours Program will be maintained and the co-operative opportunities will be equally accessible to the Majors students. It is often the case that the “best” students do not pursue an Honours degree, therefore a Majors option will attract and retain these students.

Faculty of Science Strategic Plan: Strategic Priorities, as listed in the 2008 Faculty of Science Plan: “Science for Many Futures” includes the delivery of modern, innovative undergraduate programs which improve the quality of the undergraduate experience and motivate and support student access and success. The proposed B.Sc. 4 year Major in Genetics satisfies this priority by opening up access to a degree in Genetics. In addition, the proposed program is interdisciplinary, drawing from expertise throughout the University thus satisfying the priority to “build stronger ties with the community, both internal and

external”. The cooperative program will also build ties with the biotechnology sector in Manitoba, across the country and abroad.

1.7 Comparison to existing programs: Similar course and program offerings are available in most academic institutions across the country. However, there are no similar programs offered within the province of Manitoba even though both Brandon University and The University of Winnipeg offer equivalent basic genetics courses; 14:282 Genetics Principles and 05.2301/3 Genetics, respectively. A four year Major in Genetics provides a new option for students who do not wish to take full-time study and for those who either must exit or choose to exit the Honours Genetics Program. Further the proposed 4 year majors in genetics brings the program in line with similar programs across the country and also within the University of Manitoba, making it more comparable to the Majors and Honours options in related programs such as Biological Sciences, Microbiology and Plant Science.

SECTION II: MARKET NEED AND MARKET DEMAND FOR THE PROGRAM

2.1 Local and provincial needs for graduates: The Genetics program will generate students positioned to contribute to Manitoba’s Innovation Framework, either after graduation or following more advanced training. They will be involved in innovations in agriculture, medicine, health and biotechnology sectors. The faculties of Medicine, Agriculture, Science and Arts at the University of Manitoba were all involved in the development and formation of the program which underscores the interdisciplinary nature of the program and therefore employability of students graduating from the proposed Major’s program.

2.2 Probable Employment destinations: Depending on the emphasis a student places on the options of courses taken during the program, employment could include but would not be limited to, agricultural sectors, health science, biotechnology and government. The Genetics program with the Major’s option also allows students to further their education within a graduate program or a second degree within a health science related field such as, dentistry, pharmacy or medicine.

2.3 Consultation with relevant groups/agencies: The proposed program was developed by an interdisciplinary group from the Departments of Biological Sciences, Microbiology, Pediatrics, Biochemistry and Medical Genetics, Plant Science and Anthropology, from the faculties of Arts, Agriculture, Medicine and Science. So there has been wide consultation within the University drawing from a broad expertise of faculty. In the Cooperative option students have the potential of gaining work experience during the course of their degree and the faculty of Science is in constant communication with local industry (eg Cangene, Apotex, Biovail) in addition to the National Microbiology laboratories and the National Research Council.

2.4 Fit with provincial economic, social and cultural priorities: The proposed program will continue the University of Manitoba’s central role in contributing to Manitoba’s Innovation Framework. Both the existing Honours and proposed Majors programs in Genetics fit with

many of the priorities outlined in the 2008 Provincial Budget (Moving Forward: Manitoba's Priorities for the Future). Students graduating with a 4 year Majors degree in Genetics from the University of Manitoba will be well situated to contribute to both private and public sector employment markets. Biotechnology and pharmaceutical industries are obvious potential employers. In addition to the public health sector and government laboratories, such as the Department of Fisheries and Oceans and Environment Canada. The proposed Majors program improves accessibility to genetics as a discipline for those students who cannot study full time, this directly falls under the provincial priority to "improve education and training opportunities for young people here at home".

2.5 Potential job creation and research and development: The skills obtained as a graduate in the genetics program can be directly applied to employment in research and development. Further these skills are easily transferable for the entrepreneurial student who chooses to create a start-up company and foster job opportunities for future graduates from this or related programs.

SECTION III: STUDENT DEMAND FOR THE PROGRAM

3.1 Students the program will serve: With the inclusion of the Majors option in this program it is possible to take a part time degree and therefore professional development becomes an a possibility for those students that can neither afford the time or the money to enter into full time study

3.2 Existing programs: There are no equivalent programs offered in the Province of Manitoba

3.3 Evidence of student interest and demand for the program: Currently those students wishing to pursue a career utilising genetics and genetic techniques must enrol in the Honours program. Since the inception of the Honours Program 28 years ago the students advisors in the Faculty of Science at the University of Manitoba are routinely asked every year by students wishing to enrol in the genetics program, if there is an option for a 4 year Majors in Genetics. As previously stated the installation of a Majors program in Genetics will align this program with similar programs in the Departments of Plant Science, Microbiology, Biological Sciences and Anthropology, all contributing departments to this program.

3.4 Projected enrolments: Based on the current Honours program we expect approximately 15-20 students to opt for the major in the first year, with 15-20 students enrolling in the 2nd and 3rd years.

3.5 Existing programs projected to lose enrolment to this program: Presently and historically, students who wanted a genetics like majors program opted for the Biological Sciences or Microbiology majors as the alternative. It is possible that both these programs will lose students to this proposed program. The ideal situation is that students registered in the 3 year general B.Sc. program will be the major draw. This will benefit both the student, in terms of career development and the University will retain the motivated student for an additional year.

- 3.6 Proposed growth limits:** There are no anticipated growth limits to this program all interested students will be accommodated
- 3.7 Projected number of graduates for the first 3-5 years:** A low estimate would be 15 students a year with 45 full time students graduating after 3 years. At this stage it is difficult to estimate the number of part-time students within the program but it may reach as many as 5 per year, however, the duration of the degree for these students is hard to predict.
- 3.8 Participation and success in the under-represented groups:** The very nature of a Majors program, whereby students have the option to pursue full-time or part-time study, gives the flexibility and accessibility most often requested by under-represented groups. Students will be able to work, raise families, care for elderly, etc. and still succeed in receiving an advanced degree.
- 3.9 Availability to Part-Time Learners:** Yes, this proposal for a 4 years Majors in Genetics will readily accommodate part-time learners

SECTION IV: FACULTY REQUIREMENTS

4.1 Current faculty who will be involved in teaching the entrance, required and optional components of the Genetics Majors program

	Department	Position
Crow, Gary	Animal Science	Associate Professor
Burke, Stacie	Anthropology	Associate Professor
Merz, David	Biochem & Med. Genetics	Assistant Professor
Whyard, Steve	Biological Sciences	Associate Professor
Schroeder, Dana	Biological Sciences	Assistant Professor
Worley, Anne	Biological Sciences	Assistant Professor
Shaw, Michael	Biological Sciences	Senior Instructor
Scott, Kevin	Biological Sciences	Instructor II
Stacey, Joy	Biological Sciences	Instructor I
Sumner, Michael	Biological Sciences	Professor
Anderson, Gary	Biological Sciences	Assistant Professor
Campbell, Kevin	Biological Sciences	Associate Professor
Weihrauch, Dirk	Biological Sciences	Assistant Professor
Docker, Margaret	Biological Sciences	Assistant Professor
Heubner, Erwin	Biological Sciences	Professor
Cullen, John	Chemistry	Associate Professor
Smirnova, Elena	Chemistry	Senior Instructor
Xidos, James	Chemistry	Instructor
Bartels, Carl	Chemistry	Instructor
Koczanski, Krystyna	Chemistry	Instructor
Kroeker, Scott	Chemistry	Associate Professor
Gauvin, Francois	Chemistry	Instructor
Sorensen, John	Chemistry	Assistant Professor

Hultin, Philip	Chemistry	Professor
Hegmann, Torsten	Chemistry	Associate Professor
McKenna, Sean	Chemistry	Assistant Professor
Mark, Brian	Chemistry	Assistant Professor
Scoot, Ann	Chemistry	Senior Instructor
Loewen, Peter	Chemistry	Professor
Stetefeld, Joerg	Chemistry	Associate Professor
Van Wijngaarden, Jennifer	Chemistry	Assistant Professor
Thorne-Tjomsland, Gro	Chemistry	Research Associate
McKenna, Sean	Chemistry	Assistant Professor
O'Neil, Joseph	Chemistry	Professor
Kalajdzievska, Darja	Mathematics	Instructor
Schippers, Eric	Mathematics	Associate Professor
Craigen, Robert	Mathematics	Associate Professor
Kucera, Thomas	Mathematics	Associate Professor
Sichler, Jiri	Mathematics	Professor
Korytowski, William	Mathematics	Sessional Instructor
Portet, Stephanie	Mathematics	Assistant Professor
Doob, Michael	Mathematics	Professor
Arino, Julien	Mathematics	Assistant Professor
Davidson, Pamela	Mathematics	Instructor II
Gunderson, David	Mathematics	Assistant Professor
Coombs, Kevin	Medical Microbiology	Professor
Oresnik, Ivan	Microbiology	Associate Professor
Cardona, Silvia	Microbiology	Assistant Professor
Dibrov, Pavel	Microbiology	Associate Professor
Hausner, Georg	Microbiology	Associate Professor
Butler, Michael	Microbiology	Professor
Sparling, Richard	Microbiology	Associate Professor
Court, Deborah	Microbiology	Associate Professor
de Kievit, Teresa	Microbiology	Associate Professor
Worobec, Elizabeth	Microbiology	Associate Professor
Theriault, Steven	Microbiology	Adjunct Professor
Fristensky, Brian	Plant Science	Associate Professor
Tahir, Muhammad	Plant Science	Assistant Professor
Brule-Babel, Anita	Plant Science	Professor
Stasolla, Claudio	Plant Science	Associate Professor
Mateo, Zenaida	Statistics	Instructor
Loewen, David	Statistics	Instructor
Cheng, Smiley	Statistics	Professor
Loewen, David	Statistics	Instructor
Mateo, Zenaida	Statistics	Instructor
Paquette, Carrie	Statistics	Instructor
Harrigan, Thomas	Statistics	Sessional Instructor
Li, Xuan	Statistics	Sessional Instructor
Morris, Andrew	Statistics	Instructor

4.2 Will the program involve hiring new staff

No

SECTION V: COOPERATIVE ARRANGEMENTS

- 5.1 Cooperative arrangements with other institutions/organisations:** The University of Manitoba has many formal Student Exchange agreements with Universities world-wide. Students with an interest to study abroad will be encouraged to do so and will be assisted in selecting courses which will be readily transferred into their program.
- 5.2 Transfer Credit:** Block and transfer of credit is frequently accepted at the University of Manitoba at the discretion of Departments following assessment using existing processes
- 5.3 Internship/Practicum components:** Students will be encouraged to register in the Co-operative option, following guidelines and procedures in place for existing faculty of Science Co-operative programs. All Co-operative option students will spend at least 12 months (three – four month terms) in employment terms with a department approved employer. Co-operative option work placements are coordinated through the Faculty of Science Co-operative Program Office and are currently offered for the Genetics Honours students.
- 5.4 Provisions for prior experiential learning:** Transfer credit from other institutions in the province, country and around the world are assessed on a case by case basis within each department in the Faculty of Science.

SECTION VI: LEARNING TECHNOLOGIES

- 6.1 Use of modern technologies:** Individual instructors will determine the method of instruction. Power-point, video, internet and audience response units (iClickers) are all available and presently used on campus. There are a number of advanced molecular biology labs that students will have access to during the course of their training.

SECTION VII: RESOURCE REQUIREMENTS

- 7.1 Library:** The current library resources are in place for the proposed Majors program
- 7.2 Computer facilities:** All the required computer facilities are on campus to support this proposal
- 7.3 Use of existing infrastructure and equipment:** No additional resources are required to support this proposal and the current infrastructure and equipment will support the majors program

7.4 Additional facilities: None required

Section VIII: Financial considerations

8.1 New resources: None required

8.2 Reallocation of existing funds or new funds: None required

8.3 Internal reallocation: None required

8.4 Program costs: We do not anticipate any new costs associated with this proposal

8.5 Enrolment impact: The proposed program will attract additional students to the 4 year majors thereby increasing the Universities tuition revenue.

8.6 Program funding if enrolment decreases: As no additional resources are required there will be no financial impact if enrolment does decline

SECTION IX: PROGRAM CONSULTATIONS AND EVALUATIONS

9.1 Consultations: This Program was developed by an interdisciplinary group represented by representative academics from the Faculties of Agriculture and Food Science, Department of Plant Science; the faculty of Arts, Department of Anthropology; Medicine, Departments of Pediatrics, and Biochemistry and Medical Genetics; and Science Departments of Biological Sciences and Microbiology at the University of Manitoba.

9.2 Evaluation of proposed program: This proposal was reviewed by the Faculty of Science Committee on Courses and Academic Programs, Faculty Executive, Faculty Council, Senate Curriculum and Course Change Committee, Senate Executive and Senate. As this proposal is an extension of an existing program here at the University of Manitoba it was not deemed necessary to seek outside consultation

9.3 Procedures for institutional evaluation: The proposed program will undergo the routine reviews of academic programs conducted at the University of Manitoba. Further to those evaluations described above annual meetings between representatives from the described departments that have run the Genetics Honours program will be held for yearly evaluation of the Majors and Honours Genetics programs.

Preamble

The terms of reference for the Senate Committee on Rules and Procedures are found in the following link:

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

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. The Faculty of Medicine submitted revised bylaws. There were several amendments made primarily addressing adjustments to membership to harmonize with the Faculty/School General Bylaws, clearly define quorum and membership and address issues linked to the 2011 Undergraduate Medical Education Accreditation.
2. One member of the Committee noted that the same individual position was called two different names, which subsequently has been changed by the Faculty to reflect only one name.
3. All members recommended The Faculty of Medicine revised Council bylaws for approval by Senate.

RECOMMENDATION

"THAT the revised Faculty of Medicine Faculty Council Bylaw, as of May 18th, 2010, be approved by Senate."

Respectfully submitted,

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

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

FACULTY OF MEDICINE BY-LAW
Approved by Faculty Council – April 7, 2010

I. Membership of Faculty Council

- a) The President.
- b) Vice-President designated by the President.
- c) The Dean of the Faculty of Medicine
- d) All full-time professors, associate professors, assistant professors, lecturers, senior instructors, instructors II and instructors I of the Faculty.
- e) Thirty students of the Faculty of Medicine: ten students shall be undergraduate medical students, one of whom shall be the President of the Manitoba Medical Students' Association; ten students shall be postgraduate medical students, one of whom shall be the President of the Interns' and Residents' Association; five shall be Medical Rehabilitation students, and five shall be graduate students. Student representatives shall be elected in a manner established by the appropriate student organizations.
- f) Nine members of the Faculty support staff, shall be duly elected by secret ballot from the support staff in the Faculty. A minimum of one of which shall be a full-time support staff member. The term shall be for 3 years and shall expire such that three members are elected in each representative year.
- g) The Head, Health Sciences Libraries.
- h) The Registrar of the College of Physicians and Surgeons of Manitoba.

II. Meetings of the Faculty Council

- a) The Dean or designate shall be the presiding officer at all meetings of the Faculty Council, subject to the right of the President to take the chair at such meetings.
- b) The Faculty Council shall meet at least once yearly.
- c) Meetings shall be called at the discretion of the Dean of the Faculty or at the written request of any 35 members of the Faculty Council.
- d) At least one month's written notice of any regular Faculty Council meeting shall be given and at least 48 hours' notice for any special Faculty Council meeting.
- e) Faculty Council meetings shall be open, subject to the Council moving into closed session by the vote of a simple majority of those in attendance and voting.

- f) The quorum necessary for the transaction of business shall be 51 members including at least 43 academic members, 5 students and 3 support staff members.

III. Election of Members to Senate

- a) Eligibility for Nomination

All full-time members of the academic and support staff of the University who are members of a faculty/school council shall be eligible for election to Senate from the faculty/school council to which they belong or in which they have been accepted for purposes of Senate elections.

- b) Eligibility to Vote

All members of the academic and support staff (including *ex officio* members of Senate but excluding sessional and part-time support staff appointments) who are members of a faculty/school council having six or more members eligible for nomination are entitled to vote in Senate elections, provided that they are able to vote at the time and in the manner prescribed by the Senate and faculty/school council bylaws or regulations.

IV. Medical Faculty Executive Council

- a) Membership of Executive Council

There shall be an executive (hereinafter referred to as the “Executive Council”) composed of:

- i The President.
- ii Vice-President designated by the President.
- iii The Dean of the Faculty.
- iv Associate and Assistant Deans of the Faculty.
- v The Director of the School of Medical Rehabilitation and the Heads of the Departments of the School of Medical Rehabilitation.
- vi The Head of each academic department or school of the Faculty.
- vii The Executive Director of the Joint Operating Division
- viii The Director of Operations of the Faculty

- ix The Head, Health Sciences Libraries.
 - x The Head of Continuing Medical Education.
 - xi One member of each academic department with Faculty rank elected by the respective Department Councils.
 - xii Six additional members elected by the Faculty Council as hereinafter described.
 - xiii The Chair of the Faculty Curriculum Committee.
 - xiv Those Faculty members who have been elected to the Senate from the Faculty of Medicine.
 - xv Six students of the Faculty: two of these shall be undergraduate medical students, including the President of the Manitoba Medical Students' Association; two of these shall be postgraduate medical students, including the President of the Interns' and Residents' Association; one shall be a Medical Rehabilitation student, and one shall be a graduate student.
 - xvi Three members of the Faculty support staff. The term shall be for 3 years and shall expire such that one member is elected in each representative year.
 - xvii One member from the Faculty of Nursing elected by their Faculty Council.
 - xviii The Chief Medical Officers or their designates of the Health Sciences Centre and St. Boniface General Hospital and such other teaching hospitals as may be designated by the Faculty Council upon the recommendation of the Executive Council.
 - xix One member appointed by the Medical Staff council of the Health Sciences Centre and one member appointed by the Medical Advisory Committee of St. Boniface General Hospital.
 - xx One representative from the Council of the College of Physicians and Surgeons of Manitoba.
- b) Method of Election
- i At a duly constituted meeting, the Faculty Council shall meet to elect six of its members to the Executive Council. The term shall be for two years and shall expire such that three members are elected in each representative year.

- ii A person shall cease to be a member of the Executive Council upon ceasing to be a member of the Faculty Council.
 - iii Subject to section III, subsection a), clause xi, the student representatives shall be elected in a manner established by the appropriate student organizations.
 - iv The support staff representatives shall be duly elected by secret ballot from the support staff in the Faculty. Support staff shall sit until replaced by election providing their term is not extended by more than 3 months.
- c) Meetings of Executive Council
- i Notwithstanding the President's right to preside over the council, the Dean or designate shall be the presiding officer at all meetings of the Executive Council.
 - ii The Executive Council shall meet at least five times per year with no more than 90 days between meetings.
 - iii Meetings shall be called at the discretion of the President or the Dean of the Faculty or at the request of 10 members of the Executive Council.
 - iv At least five days' written notice of any regular Executive Council meeting shall be given or at least 24 hours' notice for any special Executive Council meeting.
 - v The quorum necessary for the transaction of business shall be 18 members and at least five academic administrators of the faculty, five faculty members, one representative of senate, two students representatives, one representative of the support staff and at least one representative from a group outside of the University.
 - vi Guests or presenters can be invited to the Executive Council meeting by the presiding officer. Guests and presenters shall have no motioning or voting rights.
- d) Standing Committees
- i There shall be standing committees as required by the Senate and as deemed necessary by the Faculty Executive Council.
 - ii Students shall be represented on such committees, in such numbers and with such rights of participation as provided for in the terms of reference and composition of the committees.

V. Powers of the Executive Council

- a) All powers granted to the Faculty Council under the Faculty and School General By-Law shall be exercised by the Executive Council except:
 - i The Faculty Council shall retain the power to elect members to and remove members from Senate.
 - ii The Faculty Council shall have concurrent powers to make such recommendations as it may deem proper for promoting medical education, the advancement of medical science or the interest of the University.
- b) The Executive Council, subject to the plenary powers of the Board of Governors and the general charge of all matters of an academic character vested in the Senate shall, have the power:
 - i To provide for the regulation and conduct of its meetings and proceedings.
 - ii 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.
 - iii To make and administer regulations with respect to the attendance, professionalism and progress of students who are registered in the Faculty or School.
 - iv To administer the rules and regulations of the Senate and the Board as they affect the students registered in the Faculty or School.
 - v To prepare and publish Faculty or School timetables.
 - vi To consider academic appeals by students from a decision of a member of the academic staff or the Faculty or School.
 - vii To establish departmental councils and, following guidelines approved by Senate, prescribe how they shall be constituted.
- c) The Executive Council shall have the power to make such recommendations as it may deem proper for promoting medical education, the advance of medical science or the interest of the University to the appropriate persons or bodies and without restricting the generality of the foregoing may make recommendations concerning:
 - i The conferring of the title professor Emeritus/Emerita, Dean Emeritus/Emerita;

- ii Athletic, social or other extra-curricular activities of students;
 - iii The establishment of, the abolition of, or any changes in divisions, departments, chairs, lectureships in the Faculty or School;
 - iv The establishment of, the abolition of, or any changes in exhibitions, bursaries, scholarships, and prizes to be awarded to students registered in the Faculty or School;
 - v The conditions of admission to the Faculty or School and all matters relating thereto;
 - vi The regulations, methods and limits of instruction in the Faculty or School;
 - vii The academic standing of all students in the Faculty or School;
 - viii The conditions on which candidates shall be received for examination and the conduct and results of examinations in the Faculty or School;
 - ix The degrees, diplomas and certificates of proficiency to be granted by the University pertaining to courses of study in the Faculty or School and the persons to whom they shall be granted and the course of study required for any such degree, diploma and certificate of proficiency;
 - x The discipline of students registered in the Faculty or School;
 - xi The acquisition and use of facilities within the Faculty or School;
 - xii The requires for lecture rooms and other facilities;
 - xiii The dates for the beginning and ending of lectures in the Faculty or School;
- d) In addition to the powers set out above, the Executive Council shall have the power:
- i To appoint representatives to such other bodies concerned with medical education, the advancement of medical science or the interest of the University, as it deems advisable.
 - ii To make recommendations for the management and conduct of the Neil John Maclean Health Sciences Library.

VI. Standing Rules

The Executive Council may enact or amend standing rules and procedures for conduct of the affairs of the Faculty by a majority vote of those members of the Executive Council presenting and voting at the time of the vote calling provided that five days' notice of the proposed standing rules has been given to all members of the Executive Council prior to the meeting at which such enactment or amending is to be made.

VII. General Provision

Unless otherwise provided for in the resolution referring the matter to the Faculty Council, such matters shall be referred to and dealt with by the Executive Council.

VIII. Rules of Order

Except where otherwise provided in the standing rules, "Rules and Procedures governing meetings of the Senate of the University of Manitoba" shall govern the conduct of the Faculty Council and Executive Council meetings.

Version Approved By Senate:
May 13, 1998

REPORT OF THE SENATE COMMITTEE ON ACADEMIC DRESS

Preamble

The Committee on Academic Dress met on June 23, 2010 to consider hood colours for the following degrees:

- Master of Public Health
- Master of Physician Assistant Studies

The terms of reference for the Senate Committee on Academic Dress can be found on the University Governance website. www.umanitoba.ca/governance

Observations

1. The degree, Master of Public Health, was approved by Senate at its meeting of October 5, 2005 and the Board of Governors at its meeting of November 22, 2005. The suggested hood colours were endorsed by the Faculty of Medicine Executive Committee at its meeting of December 3, 2008 and by the Faculty Council of Graduate Studies at its meeting of May 21, 2009.
2. The degree, Master of Physician Assistant Studies was approved by Senate at its meeting of April 2, 2008 and the Board of Governors at its meeting of April 22, 2008. The suggested hood colours were endorsed by the Faculty of Medicine Executive Committee at its meeting of December 3, 2008 and the Faculty Council of Graduate Studies at its meeting of May 21, 2009.

Recommendation

The Senate Committee on Academic Dress recommends to Senate:

1. THAT the lining of the hood for the degree, Master of Public Health, be Bougainvillea (Pantone color 17-3725) with a 10.2 cm chevron in Drizzle (Pantone color 16-4402).
2. THAT the lining of the hood for the degree, Master of Physician Assistant Studies, be the Purple used in the existing Doctor of Medicine hood, with a 10.2 cm wide chevron in Pale Gold (Pantone color 15-0927).

Respectfully submitted,

Prof. Paul Hess, Chair
Senate Committee on Academic Dress

/lrjl

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

Report of the Senate Committee on Nominations

Preamble

1. Since last reporting to Senate May 19, 2010, the Senate Committee on Nominations (SCN) met on August 26, 2010 to consider nominations to fill vacancies on the standing committees of Senate.
2. The terms of reference for the SCN are found on the University Governance website.

Observation

1. Listed below are all committees having vacancies to be filled, along with the names of the nominees being proposed, their faculty/school, and the expiry date of their terms.

Recommendation

1. The SCN recommends to Senate the following list of nominees:

COMMITTEE	NOMINEE(S)	FACULTY/SCHOOL	TERM END DATE
Senate Committee on Awards	Prof. Elizabeth Ready	Kinesiology & Recreation Management	2011.08.31
	Prof. Lean Chee	Pharmacy	2013.05.31
Senate Committee on Admissions	Dean John Wiens	Education	2011.05.31
Senate Committee on University Research	Prof. Mostafa Fayek	Environment, Earth, and Resources	2011.05.31
Senate Committee on Libraries	Dean Dauna Crooks	Nursing	2013.05.31

Respectfully submitted,

Dr. Emily Etcheverry, Chair
Senate Committee on Nominations

/lrjl