

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

AGENDA

I MATTERS TO BE CONSIDERED IN CLOSED SESSION

1. Report of the Senate Committee on Honorary Degrees

II MATTERS RECOMMENDED FOR CONCURRENCE WITHOUT DEBATE

1. Report of the Senate Committee on Medical Qualifications
 re: Dr. Rafay Page 17

III MATTERS FORWARDED FOR INFORMATION

1. Report of the Senate Committee on Awards- Part A Page 18
2. In Memoriam Professor Robert Sanford Page 30

IV REPORT OF THE PRESIDENT

V QUESTION PERIOD

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

VI CONSIDERATION OF THE MINUTES OF THE MEETING OF FEBRUARY 1, 2006

VII BUSINESS ARISING FROM THE MINUTES

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

1. Report of the Senate Executive Committee Page 31
2. Report of the Senate
 Planning and Priorities Committee

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

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

1. Report of the Faculty of Graduate Studies on graduate

program proposals – Ph.D in Applied Health Sciences

Page 32

**a) Report of the Senate
Planning and Priorities Committee**

Page 54

2. Report of the Senate Committee on Nominations

Page 56

X ADDITIONAL BUSINESS

XI ADJOURNMENT

Please Call Regrets to 474-6892.

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UNIVERSITY
OF MANITOBA

Faculty of Medicine

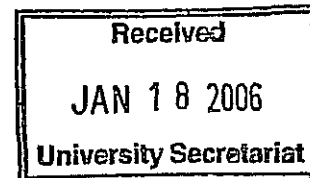
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January 17, 2006.

Mr. Jeff Leclerc,
University Secretary,
313 Administration Building,
Fort Garry Campus,
The University of Manitoba.

Dear Mr. Leclerc:

Re: Senate Committee Approval for Registration and Licensure of Dr.
Mubeen Rafay Under Section 64 of the Medical Act



The Senate Committee on Medical Qualifications met on December 20, 2005 to consider the above. All members (Dr. J. Anderson, Chair, Dr. Karen Grant, Dr. W. Pope, Dr. S. Barakat and Dr. A. Chochinov) reviewed the documentation, and all were present (Dr. Pope by conference call) except for Dr. Chochinov who had previously approved of the recommendation.

Dr. Rafay is a pediatric neurologist, specialized in Pediatric Stroke who has received enthusiastically positive letters of reference from senior academic physicians at the University of Toronto and the Hospital for Sick Children in Toronto. She has a very strong academic focus with publications in the area of pediatric stroke, and enrolled in MSc (Basic Sciences and Clinical Epidemiology) program during her most recent fellowship year.

In view of the above, and a review of her C.V., outstanding letters of reference and an interview in person with Dr. Rafay (Wednesday May 18th, 2005), the committee unanimously approved recommendation for Dr. Rafay's registration and licensure under Section 64 of the Medical Act in the area of Pediatric Neurology. Of 3 options for licensure that were outlined in my letter of January 6, 2006 to Dr. Rockman-Greenberg, the option for licensure under Section 64 is required since Dr. Rafay is not eligible to write the Royal College certification examinations in Neurology.

I therefore request that this application for registration and licensure under Section 64 of the Medical Act in the Province of Manitoba be granted by The University of Manitoba Senate.

Thank you for your consideration.

Sincerely,


J. Anderson, Ph.D., Associate Dean (Academic)

Copy to: Dr. C. Rockman-Greenberg
Dr. W. Pope

SECRETARIAL
The Secretary
The report to the Senate

Report of the Senate Committee on Awards respecting Awards - January 19, 2006

Preamble

The Senate Committee on Awards (SCOA) terms of reference include the following responsibility:

"On behalf of Senate, to approve and inform Senate of all new offers and amended offers of awards that meet the published guidelines presented to Senate on November 3, 1999, and as thereafter amended by Senate. Where, in the opinion of the Committee, acceptance is recommended for new offers and amended offers which do not meet the published guidelines or which otherwise appear to be discriminatory under Policy No. 419, such offers shall be submitted to Senate for approval." (Senate, April 5, 2000)

At its meeting on January 19, 2006 SCOA reviewed 15 new awards offers, three award amendments and three award withdrawals and reports as follows.

Observation

On behalf of Senate, the Senate Committee on Awards approved and recommends that the Board of Governors approve 15 new awards, three award amendments and three award withdrawals as set out in Appendix "A" of the Report of the Senate Committee on Awards (dated January 19, 2006). These award decisions comply with the published guidelines of November 3, 1999, and are reported to Senate for information.

Respectfully submitted,



Professor R. Baydack, Chair
Senate Committee on Awards

Comments of the Senate Executive Committee:
This report is in accordance with the
this report to Senate.

APPENDIX "A"

OFFERS

CARL SHAYKEWICH GRADUATE TRAVEL AWARD IN AGRICULTURAL METEOROLOGY

An endowment fund of \$5864.46 has been established at the University of Manitoba by Professor Carl Shaykewich to provide a travel award in the area of agricultural meteorology. The award, valued at the available annual interest, will be offered to a graduate student who:

- (1) is enrolled as a full-time student in the Faculty of Graduate Studies and is pursuing a M.Sc. or Ph.D. program in Agricultural and Food Sciences;
- (2) is specializing in the area of agricultural meteorology;
- (3) is attending a scientific conference and seeks assistance with the related expenses.

This endowment fund has received matching funds from the Edward Eric Hildebrand and Ann Palmer Hildebrand Memorial Scholarship Fund.

The recommendation for the award will be made by the Head of the Department of Soil Science to the Faculty of Agricultural and Food Sciences Awards Committee for approval.

**MANITOBA ASSOCIATION OF LANDSCAPE ARCHITECTS FELLOWSHIP
IN LANDSCAPE ARCHITECTURE**

The Manitoba Association of Landscape Architects (MALA) has established an endowment fund to provide fellowship support to students in the Department of Landscape Architecture. The fellowship, valued at the available annual interest, will be offered to a graduate student who:

- (1) is enrolled as a full-time student in the Faculty of Graduate Studies, in the Master's program in Landscape Architecture at the University of Manitoba;
- (2) has achieved a minimum cumulative grade point average of 3.3 on all courses completed in the Department of Landscape Architecture;
- (3) is a student member of the Manitoba Association of Landscape Architects;
- (4) has demonstrated a commitment to the profession of Landscape Architecture.

The fellowship may be divided at the discretion of the selection committee.

The selection committee will include the Head of the Department of Landscape Architecture (who will serve as chair), one full-time faculty member from the Department, the President of the MALA (or designate) and a member of the MALA who is an alumnus of the University of Manitoba.

ERIKA WICHA MEMORIAL SCHOLARSHIP

With an annual gift from Hari-Alfons Wicha, a scholarship valued at \$500 will be offered each year in memory of his mother, Erika Wicha, to a student in the Faculty of Music at the University of Manitoba. The scholarship will be offered to a student who:

- (1) has completed at least one year of study in the Faculty of Music at the University of Manitoba with a minimum cumulative grade point average of 3.0;
- (2) enrolls full-time in any year of the program in the Faculty of Music at the University of Manitoba in the year in which the award is tenable;
- (3) has declared a major in the practical study of voice and has shown promise as a vocalist.

The selection committee shall be named by the Dean of the Faculty of Music.

GUDMUNDUR P. PETERSON SCHOLARSHIP

In honour of Gudmundur P. Peterson and his extensive career in the area of aircraft engine design, most notably with Pratt and Whitney, an annual scholarship valued at \$1,000 has been established at the University of Manitoba. Beginning with the 2006-2007 academic session, the scholarship will be offered to a student who:

- (1) enrolls as a full-time student in the third year of the Mechanical Engineering program in the Faculty of Engineering, specifically in the Aerospace Option;
- (2) has achieved a minimum cumulative grade point average of 3.5.

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

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

WILLIAM AND NONA HEASLIP SCHOLARS

In 2006, with a donation of \$20,000 from Mr. William Heaslip and a matching contribution of \$10,000 from the Manitoba Scholarship and Bursary Initiative, two awards valued at \$15,000 each will be offered. Each year two new recipients will be selected so that beginning in 2008, with an annual donation of \$60,000 from Mr. William Heaslip and a matching contribution of \$30,000 from the Manitoba Scholarship and Bursary Initiative (as long as the program is available), there will be six annual recipients. The awards will be offered to undergraduate students who:

- (1) are enrolled full-time in the second year of study in the Faculty of Arts at the University of Manitoba;

SENATE COMMITTEE ON AWARDS REPORT TO SENATE - JANUARY 19, 2006

- (2) have achieved a minimum cumulative grade point average of 2.0;
- (3) have demonstrated university and/or community involvement (e.g., sports teams, student associations, volunteer work, etc.);
- (4) have demonstrated financial need as determined by the Financial Aid and Awards office.

The award is renewable for the third and fourth years of study provided that the recipients:

- (1) continue into the next consecutive year of full-time study in any undergraduate program at the University of Manitoba;
- (2) maintain a cumulative grade point average of 2.0;
- (3) demonstrate financial need as determined by the Financial Aid and Awards office.

Should a recipient not meet the renewal criteria, a new recipient will be selected based as soon as possible on the numbered criteria outlined above.

Selection for this bursary will be administered by the Financial Aid and Awards office.

AESES SCHOLARSHIP

The Association of Employees Supporting Education Services (AESES) will provide seven annual scholarships valued at \$500 each to the dependent children of its membership. One scholarship will be awarded in each of the following groupings:

- (1) University 1;
- (2) Arts;
- (3) Science;
- (4) Engineering, Environment, Earth, and Resources, Architecture, or Fine Art;
- (5) Management, Law, or Medicine;
- (6) Education, Physical Education and Recreation Studies, Music, or Social Work;
- (7) Agricultural and Food Sciences, Human Ecology, Dental Hygiene, Dentistry, Medical Rehabilitation, Nursing, or Pharmacy.

The scholarships will be offered to students who:

- (1) are enrolled full-time (minimum 60 percent course load) in a degree credit program at the University of Manitoba within one of the above defined groups;
- (2) are a dependent* child of a regular current (as defined in the AESES Collective Agreement), retired, or deceased AESES member**;
- (3) have successfully completed a minimum 60 percent course load in the last regular session;
- (4) have achieved the highest standing out of all applicants (minimum cumulative grade

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point average of 2.5);

- (5) enroll full-time (minimum 60 percent course load) in the next consecutive year of undergraduate study.

Applications will be made available through the AESES Business Office and must be returned to this office by June 30 each year.

Selection will be based in the Financial Aid and Awards Office and administered according to standard University of Manitoba practice.

***Dependent child means: any unmarried natural child, adopted child or step-child including any child for whom the member has been appointed legal guardian, who is chiefly dependent on the member for support and maintenance, up to 25 years of age. NOTE: A student who turns 25 years of age prior to the academic year in which the scholarship is tenable will not be eligible.

**Those members who have signed an AESES Membership Application.

DR. DIANE BIEHL BURSARY IN POST GRADUATE MEDICAL EDUCATION

Dr. Diane Biehl has established an endowment fund of \$56,000 which will be used to provide bursary support for education, research or travel for students in the Post-Graduate Medical Education program.

The bursaries, valued at the available annual interest, will be offered to students who:

- (1) are enrolled in the Post Graduate Medical Education (PGME) program at the University of Manitoba;
- (2) are residents in a Royal College of Physicians and Surgeons of Canada post graduate training program or have graduated from such a program within the past 12 months;
- (3) are pursuing further education and/or research that has been approved by the department, OR are travelling to a conference, seminar, or other approved event that is associated with their program;
- (4) submit proposals outlining the objectives to be achieved and how training will be enhanced by education, research or travel;
- (5) demonstrate financial need on the standard University of Manitoba bursary application form.

One or more bursaries may be offered annually at the discretion of the selection committee. The value of each bursary will depend on the recipient's level of involvement in the conference, seminar, or event, or on the activities associated with the approved education or research. Any unspent revenue, including the interest from those years where there are no eligible candidates, will be reinvested into the capital of the fund.

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The standard bursary application must be submitted to the Financial Aid and Awards office for assessment by the general bursary application deadline and all supplementary materials, including the proposal and a letter of reference from the applicant's mentor, must be submitted to the Associate Dean (Post Graduate Medical Education).

The selection committee will be named by the Dean of the Faculty of Medicine (their designate) in consultation with the Associate Dean (Post Graduate Medical Education).

MARGE AND MEL GUNSON MEMORIAL AWARD

An endowment fund has been established at the University of Manitoba in memory of Mel and Marge Gunson, who both received Bachelor of Education degrees from the University of Manitoba. Mel was a teacher and school principal in the Fort Garry School Division for most of his career and held the position of President of the Manitoba Association of Principals and Vice-Principals. Marge taught in the Norwood School Division for most of her career. The award, valued at the available annual interest, will be offered for the first time for the 2006-2007 academic session to a student who:

- (1) is enrolled full-time (80% course load) in the second year of study in the Faculty of Education at the University of Manitoba;
- (2) has achieved a minimum sessional grade point average of 3.0 based on their first year of study (minimum 80% course load); and
- (3) has indicated an intention to work after graduation as a school teacher in Manitoba.

Applicants will be required to submit a statement (maximum 250 words) outlining where they hope to teach after graduation.

The selection committee will be named by the Associate Dean (Undergraduate Programs) of the Faculty of Education.

LAUREL AUSTMAN MEMORIAL BURSARY IN EDUCATION

The family, friends and colleagues of Laurel Austman have established an endowment fund at the University of Manitoba to provide an annual bursary to assist and encourage single parents studying in the Faculty of Education at the University of Manitoba. Beginning in 2007, a bursary valued at the available annual interest will be offered to a student who:

- (1) enrolls as a full-time student in the two-year After-Degree Bachelor of Education program, in the Bachelor of Education / Bachelor of Music Integrated program, or the Bachelor of Education / Bachelor of Human Ecology Integrated program at the University of Manitoba;
- (2) has achieved a minimum sessional grade point average of 2.5 in the previous year of study;

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- (3) has demonstrated financial need on the standard University of Manitoba bursary application form;
- (4) is a single parent (an applicant's declaration of this status will be considered sufficient) with dependent children living in the home.

The selection committee shall be named by the Associate Dean (Undergraduate Programs) of the Faculty of Education.

MURRAY AND MURIEL SMITH FELLOWSHIP

An endowment fund of \$136,000 established by Murray and Muriel Smith has been designated to sponsor a fellowship to support graduate students from any discipline conducting research into aspects of public policy. The fellowship may be used in part for international travel. The first fellowship will be offered in the academic session 2006-2007 and will be valued at the available annual interest. The fellowship will be offered to a graduate student who:

- (1) is a part-time or full-time graduate (Master's or Ph.D.) student enrolled at the University of Manitoba or the University of Winnipeg;
- (2) has proposed or begun to conduct thesis research on any aspect of public policy (social, economic or environmental policy and the interdisciplinary interaction between these) related to the Manitoba Chair of United Nations Studies program;
- (3) is ranked by the selection committee among the top applicants for this fellowship, based on a combination of innovative quality of the proposal and the cumulative grade point average obtained on all graduate courses completed to date (minimum 3.5 based on at least 12 credit hours).

Advertising for this fellowship shall be undertaken by the Manitoba Chair of United Nations Studies program at the two Universities.

The selection committee will be named by the Chair of the Advisory Committee for the Manitoba Chair of United Nations Studies and will include faculty members drawn from both the Universities of Manitoba and Winnipeg. University of Manitoba representatives will constitute at least 50 percent of the selection committee. The selection committee contact will be the Chair of the Advisory Committee.

CANADIAN INFORMATION PROCESSING SOCIETY (CIPS) SCHOLARSHIP

Beginning in 2006, the Canadian Information Processing Society (CIPS) offers to provide a scholarship valued at \$1,000 to an undergraduate student who:

- (1) is enrolled as a full-time student in the I.H. Asper School of Business at the University of Manitoba;
- (2) has declared a major in Management Information Systems (MIS);

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- (3) has achieved a minimum cumulative grade point average of 3.0;
- (4) is a student member of CIPS and has attended at least one CIPS Professional Development activity by the end of February in the year in which the scholarship is offered;
- (5) has demonstrated community and extracurricular involvement or has previous work experience in the field of MIS.

Applicants will be required to complete and submit an application form and a statement (maximum 200 words) outlining their community and extracurricular involvement or their previous work experience.

CIPS will review their commitment to this scholarship on an annual basis and will notify the Financial Aid and Awards Office of their decision each spring.

The selection committee will be named by the Head of the Department of Accounting and Finance and will include a representative of CIPS.

JOYCE FROMSON MEMORIAL AWARD

Joyce Fromson joined the Faculty of Physical Education at the University of Manitoba in 1979. She was the founder and Director of Mini-University and Children's Programs. Children's Camps have evolved from 70 children in 1979 to more than 7000 in 2004. Joyce continued to direct Mini-University until 1996, making it a model that has been emulated throughout North America. An endowment fund of \$5,000 has been established to provide recognition of students who wish to help children and to commemorate Joyce Fromson's contributions to developing children. The award, valued at the available annual interest, will be offered to a student who:

- (1) is enrolled at the University of Manitoba in any Faculty of School;
- (2) has achieved a minimum cumulative grade point average of 3.0;
- (3) has been employed at least one full summer as a Mini-University Summer Staff member;
- (4) has demonstrated exceptional performance on the job.

Applicants will be required to submit a completed application form, a statement that outlines why they qualify for the award (what they have done and will continue to do to benefit child development) and two letters of reference (i.e., previous employers, professors, volunteer coordinators, etc., who are not Mini-U staff).

The selection committee will be comprised of the Director of Children's Programs (who will act as Chair), the Coordinators of Children's Programs, the Dean of the Faculty of Physical Education and Recreation Studies (or designate) and a Mini-U student employee who is not an applicant for the award in the current year.

ARCHIE NUNN SCHOLARSHIP FOR WOMEN'S SOCCER

Archie Nunn was a dedicated volunteer in the soccer community for many years. As a member of the Manitoba Minor Soccer Association, he served in a number of positions including MMSA President 1974 - 1976. Archie's dream was to bring the game of soccer to as many children in Manitoba as possible, while at the same time increasing their skills and knowledge to help them compete on both national and international levels. This award in his memory helps recognize young women who exemplify the positive qualities of leadership, good sportsmanship and a commitment to achieving excellence, both playing soccer and in their everyday lives.

The scholarship will be valued at the available annual interest (minimum \$500) and will be offered beginning in 2006 to a student who:

- (1) has completed a minimum of one year of study at the University of Manitoba in any Faculty or School, and has completed a minimum of 18 credit hours in the previous academic year;
- (2) has achieved a minimum sessional grade point average of 3.0 in their previous academic year;
- (3) is a member of the University of Manitoba Women's Soccer team;
- (4) has demonstrated leadership and involvement within the soccer community in Manitoba;
- (5) enrolls as a full-time student in the year in which the scholarship is tenable.

The selection committee will consist of the Head Coach of the Bison Women's Soccer Team (or designate), a representative of the Nunn Family (or designate) and the Athletic Director (or designate) from the Faculty of Physical Education and Recreation Studies who will serve as chair.

(The terms of this award will be reviewed annually against the criteria of Canadian Interuniversity Sport governing "Athletic award - alumni, private, booster club and corporate funded", currently numbered 50.10.5.6 in the C.I.S. Manual).

WINNIPEG WOMEN'S SOCCER LEAGUE AWARD

Since its inception, the Winnipeg Women's Soccer League has been a leader in developing women's soccer in the province of Manitoba. Many of the players on the Bison roster have developed through the league and continue to compete annually. The Winnipeg Women's Soccer League has created this award to recognize those players from the league that wish to pursue further education and continue to compete in the sport of women's soccer at the CIS level. Beginning in 2006 a minimum of two awards, valued at a maximum of \$2,500 each, will be offered annually to student athletes who:

- (1) have completed a minimum of one year of study at the University of Manitoba in any Faculty or School, and have completed a minimum of 18 credit hours in the previous

SENATE COMMITTEE ON AWARDS REPORT TO SENATE - JANUARY 19, 2006

academic year;

- (2) have achieved a minimum sessional grade point average of 2.5 in their previous academic year;
- (3) play on the University of Manitoba Women's Soccer team;
- (4) play in the Winnipeg Women's Soccer League;
- (5) enroll as full-time students in the year in which the scholarship is tenable.

The selection committee will consist of the Head Coach of the Bison Women's Soccer Team (or designate), a representative of the Winnipeg Women's Soccer League (or designate) and the Athletic Director (or designate) from the Faculty of Physical Education and Recreation Studies who will serve as chair.

(The terms of this award will be reviewed annually against the criteria of Canadian Interuniversity Sport governing "Athletic award - alumni, private, booster club and corporate funded", currently numbered 50.10.5.6 in the C.I.S. Manual).

PRESIDENT'S SCHOLARSHIP

The University of Manitoba recognizes those students who enter the University of Manitoba with a minimum 95% high school average (based on the courses used for entrance scholarship purposes) as President's Scholars. President's Scholars will be eligible for total scholarship funding of at least \$1,000 in each of their second, third, and fourth years of study leading towards the completion of their first full degree providing they meet the renewal criteria. Where a President's Scholar has received other University of Manitoba Senate approved scholarships, the total cash value of the President's Scholarship will vary up to \$1,000, depending on the total value of all other awards received.

These scholarships, valued at up to \$1,000, will be offered to students who:

- (1) are enrolled as full-time students (minimum 80% course load) in any Faculty or School at the University of Manitoba;
- (2) are either Canadian citizens, permanent residents or international students (i.e., those entering Canada on study permits) who entered study at the University of Manitoba with a minimum 95% average as determined by the Financial Aid and Awards office for entrance scholarship purposes;
- (3) complete their first, second, and third years of study with a minimum grade point average of 4.0 based on course work completed during both the summer and regular academic sessions;
- (4) have not received scholarships totaling more than \$1,000 for the given year of study;
- (5) continue into the next consecutive year of study as full-time student (minimum 80%

SENATE COMMITTEE ON AWARDS REPORT TO SENATE - JANUARY 19, 2006

course load).

These scholarship offers will be made beginning on or after October 15 of every year after all other scholarship offers are made. Scholarship offers made after October 15 will not affect the value of the President's Scholarship.

Courses completed during the summer session will only be used in the calculation of grade point average.

Selection for these scholarships will be based in the Financial Aid and Awards Office.

Note: Students who receive either the Isabel Auld Entrance Scholarship, the Chancellor's Scholarship, Queen Elizabeth II Scholarship or the equivalent International Undergraduate Student Entrance Scholarship, would all be designated as President's Scholars, and, therefore, eligible for continued recognition as President's Scholars. All these awards require a minimum of 95% as the entering average. Should they continue to receive either the Isabel Auld or Chancellor's Scholarship, although they would still be recognized as President's Scholars, they would receive no additional funding.

AMENDMENTS

NANCIE J. MAURO (NEE TOOLEY) GRADUATE SCHOLARSHIP IN ONCOLOGY RESEARCH

The terms of reference for this scholarship will undergo one amendment. As part of the required application materials, applicants will be asked to submit their curriculum vitae and a letter of reference from the applicant's supervisor that supports their research.

HAROLD E. WELCH MEMORIAL GRADUATE SCHOLARSHIP

The terms of reference for this scholarship in Zoology will undergo one amendment. Currently, this scholarship cannot be held with a major scholarship or any other similar support valued at \$4,000 or more. This amount will now be increased to \$10,000.

GOLDIE GOLDSTEIN PRIZE IN NUTRITION

The value of this prize offered in the Faculty of Human Ecology will be increased to \$200 (from \$100).

WITHDRAWALS

WEYERHAEUSER COMMUNITY EDUCATION SCHOLARSHIP IN ENGINEERING WEYERHAEUSER COMMUNITY EDUCATION BURSARY

At the direction of the donor, these two awards will now be withdrawn.

SOKOLOFF FAMILY BURSARY

This undergraduate bursary will be withdrawn due to a lack of funding.

In Memory

ROBERT SANFORD

Dr. Robert Sanford passed away on December 2, 2005 in Victoria, BC. He was a school teacher in North Vancouver for many years prior to his time at the University of Manitoba. He taught S4 language arts (English) in the Department of Curriculum, Humanities and Social Sciences from 1970 until his retirement in 1988. He and his wife Jocelyn also went to China to teach on two separate occasions following his retirement.

Recent years had been spent largely at the family home on Texada Island in British Columbia and more recently in Victoria. Dr. Sanford will be greatly missed by his family and friends.

February 8, 2006

Report of the Senate Executive Committee

Preamble

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

Observations

1. Speaker for the Executive Committee of Senate

Dean Mark Whitmore will be the Speaker for the Executive Committee for the March meeting of Senate.

2. Comments of the Executive Committee of Senate

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

Respectfully submitted,

Dr. Richard Lobdell, Acting Chair
Senate Executive Committee

Terms of Reference: *Senate Handbook* (Revised 1992), Section 9.

/nis

Report of the Programs and Planning Committee of the Faculty of Graduate Studies on graduate program proposals.

Preamble

The Programs and Planning Committee (PPC) of the Faculty of Graduate Studies (FGS) has the responsibility of considering new graduate program proposals and to make recommendations to FGS Council. PPC met on March 21, 2005 and made the following recommendation regarding the proposal of a Ph.D. program in Applied Health Sciences.

Observations

1. The proposed interdisciplinary Ph.D. in Applied Health Sciences would be unique in Canada, with four participating Faculties: Medicine (School of Medical Rehabilitation), Physical Education and Recreation Studies, Nursing and Human Ecology.
2. The external review committee endorsed the proposed program, concluding that the program would produce a broadly marketable product and would be an excellent way to keep outstanding Manitoba students in the province.
3. The Library Support Statement indicated that the University of Manitoba Libraries is able to support all areas of the proposed Ph.D. However, on-going funds of \$4,263 are required for both monographs and journals and one-time funds of \$2,019 for monographs and journal back issues are needed as well.
4. The proposal received support statements from Student Records and IST.
5. The written proposal (including new course introduction forms and the Library Support Statement), external reviewer reports and the response to the external reviewer reports are attached.

Recommendation

The Programs and Planning Committee of the Faculty of Graduate Studies recommends that the Faculty Council of Graduate Studies endorse the Ph.D. proposal in Applied Health Sciences to Senate for approval.

Endorsed by the Faculty Council of Graduate Studies May 17, 2005

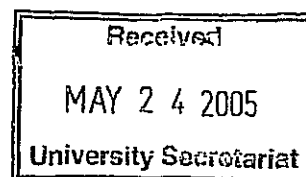
Comments of the Senate Executive Committee:
The Senate Executive Committee endorsed the report to Senate.



UNIVERSITY
OF MANITOBA

Faculty of Graduate Studies

Donald Smyth
Acting Dean



500 University Centre
Winnipeg, Manitoba
CANADA, R3T 2N2
Phone: (204) 474-7207
Fax: (204) 474-7553
E-Mail: dsmyth@cc.umanitoba.ca

MEMORANDUM

Date: May 24, 2005

To: Mr. Jeff LeClerc, University Senate Office 310 Administration
From: Dr. Donald Smyth, Acting Dean, Faculty of Graduate Studies *D. Smyth*
Subject: MOTIONS FROM THE FACULTY COUNCIL COMMITTEE OF GRADUATE STUDIES:

The Faculty Council of Graduate Studies met on May 17, 2005, and endorsed the proposed Ph.D. in Applied Health Sciences to Senate for its approval.

If you have any questions please do not hesitate to call Kevin Slippert at 9573.

/jc

(att.)

A. PROGRAM DESCRIPTION

1. Rationale, objectives, and features

I. Clearly state the rationale for the program

It is becoming increasingly recognized that health is multi-dimensional. Currently there are no Ph.D. programs that incorporate recognition of this fact into a comprehensive multi-faculty integrated approach. At the University of Manitoba, four academic units have decided to come together to offer a unique and timely Ph.D. program, which would include the treatment and discussion at a graduate level of applied health science as a multi-dimensional entity, while at the same time allowing for individualized high-quality health science research with an individual researcher, or small group of researchers. The uniqueness of the proposed program stems from the academic units involved (Physical Education and Recreation Studies, Nursing, Medical Rehabilitation, and Human Ecology), and the elements of applied health science that each "brings to the table" (treatment vs. prevention; the individual vs. community perspectives, as examples).

II. Clearly state the objectives of the program

The proposed program is a multi-faculty, research-based *Ph.D. in Applied Health Sciences* at the University of Manitoba. The four participating Faculties/Schools are: Physical Education and Recreation Studies, Nursing, Human Ecology, and Medical Rehabilitation.

Objectives of the program will be to:

- offer a unique *multi-dimensional research-based doctoral program of high quality* allowing the combination of knowledge bases in the Applied Health Sciences which complement one another.
- produce Ph.Ds with an understanding of the importance and pertinence of multi-dimensional and collaborative approaches to applied health sciences research.
- add to the body of knowledge in the important field of the interactive nature of the determinants of health
- provide for a formal platform for interaction and research collaboration among the four participating units, relative to applied health science issues

III. Indicate how the program fits within the research/academic priorities of the unit and faculty/school

The program is a high priority for all of the four units involved in this application. All four units indicate that graduates from this program would be competitive for faculty positions in their respective units, because of the unique multi-disciplinary nature of this program.

1) The Faculty of Nursing has been granted approval for a Ph.D. Program in Cancer Control (in collaboration with the Department of Community Health Sciences in the Faculty of Medicine). This proposed Ph.D. program is a specialized program focused on preparing a small number of cancer nurse researchers to meet the need for knowledge development and translation in the areas of oncology nursing, palliative care and cancer prevention. Graduates are expected to fulfil positions in academic and practice sites across the country.

There is also a need to prepare Ph.D. graduates who have research expertise in other substantive areas (e.g. community health, children's health, restorative processes, etc.). A Ph.D. program in Applied Health Sciences would meet this mandate, as well as provide students and faculty opportunities to develop interdisciplinary-based knowledge. Nursing is a practice based discipline which draws heavily on knowledge from physiological, social, and health sciences, as well as nursing sciences. Priorities in the Faculty of Nursing are to enhance research productivity and support for high quality graduate education. To achieve these priorities, the Faculty is re-structuring to develop and support research clusters to enhance research and scholarly productivity. Ph.D. students in the Applied Health Sciences Program (along with the students in the Cancer Control Program) would be integrated into these research clusters. Thus, in addition to the classroom based learning, students would have learning opportunities through the active participation in the ongoing work of the research clusters.

2) The Faculty of Physical Education and Recreation Studies (PERS) currently offers a Master of Arts in Recreation Studies (M.A.) and a Master of Science (M.Sc.) in Exercise & Sport Science. Graduate studies and research in the Faculty are housed in the Health, Leisure & Human Performance (HLHP) Research Institute, a multi-disciplinary unit with affiliate members who perform research in biophysical sciences, social sciences and humanities, and topics related to health, leisure, and human performance. As human health and well-being has increasingly been viewed as a multi-dimensional phenomenon, so the perceived role of the Institute as championing this approach through its research and dissemination activities has become potentially more significant. Individualised Ph.D. studies are currently available to students with supervisors who are affiliates of the Institute with cross-appointments to other faculties that have a Ph.D. program. At the present time, there are two Ph.D. students in the Institute who are in this category. The proposed Ph.D. in Applied Health Sciences is a necessary step in easing access of research affiliates in the Institute to doctoral students in this important area, thus moving the Institute to its next level of research impact and activity. The proposed program will also allow students to have interaction with researchers in all partner Faculties/Schools, through common courses, seminars, and advisory committee activities, an important multi-disciplinary component which does not currently exist. At the recent strategic plan, the development of a Ph.D. program in Applied Health Sciences was ranked as the number one priority for the next five-year cycle, for both the HLHP Research Institute, and the Faculty of PERS as a whole.

3) The Faculty of Human Ecology Ph.D. program is administered through the Interdepartmental Ph.D. program in Food & Nutritional Sciences with the Faculty of Agriculture and Food Sciences, or an Individual Interdisciplinary Program with the

Faculty of Graduate Studies. This Ph.D. program is designed to produce individuals who will teach in the nutrition or foods areas, train other researchers, design and execute major research projects, and serve as senior advisors and consultants in health, social or economic policy and planning. The Faculty of Human Ecology also offers Master's education. Focusing on issues that influence health, well-being and family relations, the M.Sc. program in the Department of Family Social Sciences provides a strong research foundation in family psychosocial health. The M.Sc. program in Human Nutritional Sciences is intended to meet industry and government demand for food and nutrition specialists skilled in planning, administering and evaluating programs, and includes training in biochemical and analytical methods. The M.Sc. program of the Department of Textile Sciences provides training in the performance of textile materials, consumer behaviour, marketing, and the supply chain channel for the Canadian textile complex. New areas of the program include the health related uses of textiles relevant to the health care industry.

Graduate education in the Faculty of Human Ecology needs additional choices for students who expect to function in modern health care teams. Health planning and care delivery are complex, which places increasing demands on professionals who need to understand and apply multi-dimensional and collaborative approaches. The interdisciplinary focus of the Ph.D. Program in Applied Health Sciences would fulfil this need by ensuring that learning experiences in other areas of expertise are offered to all students. The Ph.D. Program in Applied Health Sciences would involve graduate students in research that takes into account the interactive nature of the determinants of health and creates evidence for health planning. Research activity is a priority for the Faculty of Human Ecology and all staff members are engaged in research. An essential component of all research activity is graduate training. The Faculty of Human Ecology has made major investments in the graduate programs by hiring new staff with skills in dietetics, population and developmental health. New investments are being made to increase access to network services to all graduate students.

4) The School of Medical Rehabilitation currently offers a Master of Science (M.Sc.) in Rehabilitation. Currently, there are no local opportunities (and limited national) for the graduates of our M.Sc. program to progress in graduate training in the field of rehabilitation. An identified priority within the strategic plan of the School of Medical Rehabilitation and the entry-level professional programs housed within the school is to recruit academics with Ph.D.s in the applied or clinical arena. There is an identified, international shortage of researchers with this area of expertise. Remediation of this problem requires access to doctoral training programs (as proposed herein) by our M.Sc. graduates. Some Ph.D. students from other departments (Physiology, Computer Science, Anatomy) have successfully undertaken their primary work with cross-appointed supervisors within the School of Medical Rehabilitation, and within the laboratory facilities as a means of continued training in a related area. A recent poll of our M.Sc. graduates identified that having a Ph.D. program that permits inter-disciplinary work in the rehabilitation field is the preferred route of continuing their graduate training, rather than through a related department. The nature of rehabilitation research is inter-disciplinary and this Ph.D. proposal suits the development of high quality rehabilitation researchers who have been identified as necessary for further development of the

professions housed within the school (occupational therapy, physical therapy and respiratory therapy) through the accreditation processes. Further, the existence of doctoral students and the associated research culture will enhance the productivity and competitiveness of existing faculty.

IV. Highlight novel or innovative features of the program

The Program combines the strengths of the in-depth discipline specific learning needed to prepare Ph.D. graduates, with the benefits of collaborative learning with students and faculty in other disciplines. In particular, knowledge commonly used by several disciplines can be explored and critiqued as sources of theoretical and practical knowledge. While this happens, to some extent, when students from various disciplines participate together in courses, the systematic exploration of knowledge interpretation and utilization is not the central component of the course, and thus this process is not extended to the full potential. The participation of faculty and students from several disciplines in the exploration and use of knowledge will enhance students' capacity for critical appraisal of the sources and uses of knowledge.

2. Context

I. Indicate the extent to which the program responds to current or future needs of Manitoba and/or Canada.

1) The proposed program responds to several provincial and federal government priorities that have been articulated in Budget Speeches, Throne Speeches, and minutes of federal/provincial Health Ministers' meetings during the last 3 years. This information is included in Appendix B of this application. In general, these priorities enunciate the important roles for a holistic multi-dimensional view of health and health care, post-secondary education, promotion of healthy life-styles, and the prevention of avoidable diseases, in the health and welfare of Canadians in the future. These are among the central issues to be discussed in course-work and seminar formats in the proposed program, as well as being the focus of some of the research programs of participating students.

2) The fields of nursing, human ecology, medical rehabilitation, and physical education have all demonstrated significant evolutionary changes in their respective fields during the last decade. This evolution has paralleled the changing interpretation of health as a multi-dimensional component, and the interest among undergraduates in this type of training, leading to curriculum changes. As a result, the production of researchers in several fields, such as medical rehabilitation and kinesiology (the latter deriving originally from physical education programs, which were teacher-training programs) has been unable to keep up with the expansion of graduate programs, with the result that faculty are often hired in these fields with no post-doctoral training, and often without having completed a Ph.D. degree. With most Faculty hires in so-called "mother" disciplines, little possibility exists within each unit for discussion of applied health issues of a trans-disciplinary scope. The proposed program is conceived to follow from this natural evolution of these 4 programs. All four units agree that graduates from the

proposed Ph.D. in AHS would be competitive as candidates for recruitment to their units as tenure-track research professors.

3) An interesting way to assess need of the proposed program is to ask some of the individuals who have expressed interest in the program, and why they would prefer such a program over existing Ph.D. programs. Three such letters are included in Appendix C. One student, K.W. has decided to enroll in a Ph.D. program in Physiology following an M.Sc. degree in Physiotherapy. She states:

“Although I am confident that this program and department will meet my needs, I believe the institution of an Applied Health Ph.D. program would allow focus on specific research questions and provide training to suit the unique needs of Health Professionals. The establishment and presence of a program such as this would also encourage more Health Professionals to continue beyond a Master’s degree, at this time in which more professionals are demonstrating an interest in graduate studies and the professions are demanding a greater research focus. The existence of a program that is focused toward this unique group of professionals must exist to encourage professionals to continue with research training, and to assist in establishing evidence based practice.”

Another student, S.W., states:

“My personal interests are in the areas of applied exercise physiology, assessment and treatment of mobility limitations, post-operative physiotherapy exercise protocols, and evaluation of neuromuscular strength and endurance. The concept of a multi-faculty Applied Health Sciences degree with representation from Physical Education & Recreation Studies, Medical Rehabilitation, Nursing and Human Ecology appeals to me because this will provide a much larger pool of student advisors whose research will be more obviously relevant and interesting to those of us coming from a clinical background. I did not feel that the programs of study currently offered through the Faculties of Physiology, Anatomy or Community Health Sciences fit well with my interests. Through the Independent Interdisciplinary Program I have been able to put together a program that appeals to me, but, given the choice, I would have preferred to study in and receive a degree from a specific health-related program similar to the proposed Applied Health Sciences degree.”

A third student, A.S., who is enrolled in an Individualized Interdisciplinary Ph.D. program, states:

“This begs the question of why I would prefer the Applied Health Sciences degree to my existing PhD program which includes Psychology, Nursing, Community Health Sciences, and Physical Education. The answer to this can be summarized in one word... “marketability”. My advisor and everyone else I have consulted agree, that the letters “IIP” behind one’s name are much more vague than the term, “Applied Health Sciences”. Furthermore, there is a stigma attached to interdisciplinary degrees in which the holder is sometimes viewed as ‘fragmented’. These factors could definitely decrease one’s chances when applying for various career positions, and after working *this* long and hard, it would be a pity to be held back by something so mundane. In closing, I hope you will

consider granting students like me the opportunity to work towards an Applied Health Sciences PhD. In light of the interdisciplinary nature of health itself, it seems that educational trends like this will certainly prevail."

II. *What is (are) the particular strength(s) of the program? e.g., this program will be known for its strength in areas A, B, and C in the discipline.*

The program will be known for several components: 1) the uniqueness of the mixture of expertise existent in the four academic units, within the context of a single program; 2) the range of subject areas related to applied health sciences, including treatment and prevention, and ranging in content from biophysical sciences to humanities and social sciences; 3) the research flexibility allowed by the program, while at the same time considering the "common theme" of applied health science; and 4) the lack of barriers which are often characteristic of attempts at multi-dimensional research.

III. *What will outsiders know the program for in terms of areas of concentration or specialization?*

The program will be known for having a strong disciplinary focus, while at the same time promoting the acquisition of knowledge, and its interpretation in an applied health science context, from related disciplines. This will occur through focussed research of high quality within a specific discipline under the direction of a specified chosen researcher, in conjunction with course-work, which emphasizes "cross-pollination" among the disciplines and will contribute to the education process and development of expertise in each students program of study.

IV. *Indicate the extent to which the program extends or uses existing programs at The University of Manitoba as a foundation.*

The Program is designed so that it will make optimal use of resources, which currently are available to the four partners. For example, course-work will for the most part be derived from existing graduate courses within the four units (see Appendix D). Students study areas will be those currently available, with each student being situated in the unit which houses his/her principal research director. The research resources available to students will be those made available by the principal research director.

V. *Indicate the extent to which the program enhances co-operation among Manitoba's universities.*

The uniqueness of the Program will draw graduates from other universities in the Province. Graduates of the Program will be available for positions in relevant departments in provincial universities.

VI. Indicate the extent to which the program is likely to enhance the national/international reputation of The University of Manitoba.

The interdisciplinary nature and the uniqueness of the Program in itself will enhance the reputation of the Program and of the University of Manitoba. Structured linkages have the potential to progress to other types of partnerships in research and other endeavours.

VII. Indicate where similar programs are offered in Canada and North America.

Several Canadian universities offer “interdisciplinary studies graduate programs” which enable students to earn degrees “focusing on problems which cannot successfully be addressed within the bounds of a single established discipline” (from UBC Website). Several of the larger Canadian universities also offer “collaborative” or “multi-disciplinary” graduate programs. However, there are none in the field of applied health sciences as outlined in this proposal. A search of Canadian university websites revealed four Ph.D. programs that bear some similarity to the proposed Ph.D. in Applied Health Sciences. They are:

- the Aging and the Life-course collaborative graduate program at University of Toronto (emphasis on aging and health)
- the Institute for Health Promotion Research at UBC (individualized Ph.D.)
- the Ph.D. in Population Health at University of Ottawa (combining faculties of Medicine, Health Sciences, Sciences, Social Studies, Law, Administration, and Engineering); and
- the multi-disciplinary Ph.D. programs in Health Research Methodology, in Nursing, and Medical Sciences at McMaster University.

A Web-based search was conducted to identify academic programs in the U.S. similar to the proposed Applied Health Science Ph.D. program at the University of Manitoba. This research was conducted by Mr. Shaun P. Craig, Academic Advisor (Active Member of the National Academic Advising Association, NACADA), Red Deer College, and currently on academic leave in the Faculty of Graduate Studies, Master of Arts Recreation Studies, University of Manitoba. His summary is as follows;

“Results - Summary

While there are many interdisciplinary programs in title, there are few, truly interdisciplinary programs with both an interdisciplinary organizational design and an interdisciplinary curriculum delivery. This review of American university programs was not able to identify any programs exactly like the proposed University of Manitoba Ph.D. in Applied Health Sciences. The proposed Ph.D. in Applied Health Sciences appears to be a unique program with respect to participating discipline areas, and in its

interdisciplinary organizational structure. Therefore, I believe it will be the only program of its kind available in the United States and Canada.

Generally, the programs reviewed all provide some statement attesting to the growing concern and need for Ph.D. programs in health and wellness areas. The respective universities often document the recent increase in student interest in this type of program, but this should be attributed to recruitment strategies. This review did not pursue student enrolment claims as it is beyond the scope of the review.”

Details of the research methods and sources used in this study, and a description of the nine programs which were deemed as most closely resembling the proposed Ph.D. program in Applied Health Science, are given in Appendix A.

3. Specifics

I. *Indicate the credential (degree or diploma) to be granted. Where a new credential is being proposed, provide:*

a) Rationale for the name

The credential to be granted is Ph.D., since it will be a research degree.

b) An indication of whether the credential is offered under the same name, similar or different names elsewhere (and if different, state why a new name is chosen).

N/A

c) A list of those (individuals, groups, universities, organizations, etc.) consulted in arriving at the new name

N/A

d) An indication of whether accreditation for the new degree is required by an external body

Accreditation for the degree will not be required

II. *Describe the program under the following headings:*

a) Admission requirements

The potential pool of applicants to the Ph.D. program in Applied Health Sciences will be students possessing a Master's degree in one of the four participating disciplines/

professions, who are seeking a multi-dimensional doctoral experience in Applied Health Sciences. However, applications from other disciplines will be considered by the Committee on a case-by-case basis. They may come with a wide range of professional and research experiences, which will serve to enrich the group. The unique focus of this program will attract applicants from outside Manitoba, and most likely from outside Canada.

Application to this program will be presented to the *The Applied Health Sciences Ph.D. Committee (AHSPC)* (see composition and functions of this committee under “(f) Governance/Management of the Program”, below). Prior to admission to the Ph.D. program, each student will be required to specify his/her area of research interest, and to have corresponded with (an) eligible Ph.D. advisor(s) (member of the Faculty of Graduate Studies), who is (are) also willing to accept them into the program. It is expected, at least initially, that students will stay “within discipline” for their research director and major area of study, although eventually the situation may arise wherein the proposed project may guide the selection of the research director and the courses to be taken.

Applicants must meet the University of Manitoba Graduate Studies general regulations, and possess a Master’s degree in a discipline or profession consistent with Applied Health Sciences. Applicants will submit an application form (Appendix G) to the Chair of the Applied Health Sciences Ph.D. Committee (AHSPC), located initially in the HLHP Research Institute, 307 Max Bell Center, University of Manitoba. A complete application will include at least two letters of recommendation, including one from the student’s intended advisor(s), attesting to the suitability of the candidate for Ph.D. studies in this program, and the other from the student’s Master’s degree advisor.

Applications will be reviewed by the Applied Health Sciences Ph.D. Committee, with the following elements taken into consideration in determining the acceptance of the applicant into the program: grade-point average in Master’s courses, previous courses taken, specific research interest of the applicant, student’s rationale for choosing to apply to this program as opposed to a uni-discipline degree, current profile of students in the program, research funding and facilities availability through the proposed advisor(s) for the proposed research, and financial support for the applicant.

b) Course requirements

The course-work requirement will consist of a minimum of twelve credits of 700-level course-work consisting of at least three credits from each of any two of the four partners (6 credits). (See Appendix D for a list of Eligible Courses). Students will also be required to take the course, “Research and practice in applied health sciences” (3 credits), a lecture/seminar course in which faculty members from the 4 academic partners will participate. Students in the program will also take part in a monthly seminar in Applied Health Sciences with mandatory attendance for the first two years of their program, as well as yearly research-related activities (poster day, oral presentation day) involving student presentations. The remaining three credit hours can be chosen from a combination of graduate courses from the four partners or from other faculties outside the

four participating Faculties/Schools that offer graduate courses related to applied health sciences. The monthly seminars will consist of an admixture of presenters from the University of Manitoba and from outside, with the focus on applied health science issues. Poster and oral presentations will involve directed research projects, research proposals, and applied health sciences issues. The research program, culminating in the preparation and defence of a doctoral thesis, will be conducted with the approved faculty member(s) of the student's choice in accordance with the regulations of the Faculty of Graduate Studies.

c) Evaluation of students procedures

Within three months of registration into the Ph.D. program, each student will be assigned an Advisory Committee by the Applied Health Sciences Ph.D. Executive Committee. The Advisory Committee will consist of three professors, and will include the thesis advisor(s) and at least one professor from one of the four partner units other than the unit of the principal advisor. In the case where a student is co-advised, the committee may consist of four professors, with the co-advisors constituting a single voice. This committee will meet twice per year with the student, said meeting being chaired by the Chair of the Applied Health Sciences Ph.D. Committee or his/her designate. This meeting, which will last thirty to forty-five minutes, will involve discussion with the student on issues concerning basic knowledge, thesis research, progress in course-work, or any other issues which impact on the student experience in the Ph.D. program. The advisory committee will give immediate feedback to the student regarding his/her progress. After this meeting, each committee member will fill out and sign a Graduate Studies Annual Review form, which will be entered into the student's record. In the case of consensus among committee members of unsatisfactory performance, the student may be required to withdraw from the program.

d) Candidacy exam

Ph.D. students will be required to take a candidacy exam, before the end of the second year of their program. Each candidate will be given three questions from the advisory committee, which will require a written response involving reflection and synthesis of information. The candidate will choose two of the three questions submitted by the committee, and submit written responses to these questions to the Chair of the AHSPC within the time-frame designated by the committee, but being approximately three weeks. Responses will be distributed to all advisory committee members for evaluation. No later than one month following submission of the student's responses, and if the committee considers the written responses of sufficient quality, the student will take part in an oral candidacy exam with the advisory committee, and chaired by the Chair of the AHSPC or his/her designate. During the exam, which should take approximately two hours, committee members will be given the opportunity to question the candidate on issues arising from the written responses, or on any other issues that the committee deems pertinent. The student must pass the written and oral phases of the exam to be considered a candidate for the Ph.D. degree. Any student who fails this exam twice will be required to withdraw from the program.

e) Thesis

In accordance with the regulations of the Faculty of Graduate Studies, the student is required to demonstrate competence in planning and conducting a research project, and in disseminating the results. The research proposal must be approved by the advisory committee. The proposal itself will take the form of a document outlining the rationale and background for the study, specific objectives, and methods and procedures. A one-page abstract of the proposal will also be prepared by the candidate for posting. The proposal will be distributed to all members of the advisory committee and the Chair of the AHSPC. The proposal will be presented by the candidate in an oral format, lasting approximately forty-five minutes. This presentation will be open to all members of the University of Manitoba community.

The regulations of the Faculty of Graduate Studies of the University of Manitoba will govern thesis preparation and final thesis defence. The thesis examination committee will normally consist of members of the advisory committee, plus an external member.

(f) Governance/Management of the Program

The program will be administered by a multi-faculty Applied Health Sciences Ph.D. Committee. *The Applied Health Sciences Ph.D. Committee (AHSPC)* will consist of a Chair (elected by the Deans and Graduate Program Chairs of the four partner units, for a term of 3 years); the Chairs of the four partner graduate programs or their designates; four members-at-large elected from among approved faculty members of the four partners; the Dean of Graduate Studies or his/her designate; and, two graduate students. An Executive Committee will consist of the AHSPC Chair, the four Graduate Program Chairs or their designates, and one graduate student. This Committee will deal with and oversee issues such as: admissions, candidacy exams and thesis proposal committees, thesis defence committees, program and thesis plans, yearly evaluation of students, designation of potential Ph.D. advisors, participation program of Ph.D. students (poster day, seminars), thesis format as traditional vs. published manuscripts, and the like. This committee will meet at the call of the Chair. The Executive will report to the AHSPC, which will provide the forum for discussion of best practices, information sharing, problems, and feedback concerning the on going functioning of the program. An Administrative Assistant will provide support for both the AHSPC and the Executive Committee.

Besides these academic matters, the AHSPC will be responsible for recommending allocation of funds available for the functioning of the program. The budget for the program will be administered by the office of the Dean of Graduate Studies. Recommendations for allocation of funds for the program will be made to DGS by the AHSPC by vote of the committee members.

Summary of Responsibilities and Terms of Reference

Chair of AHSPC. Chair meetings of the AHSPC and Executive Committee. Convey decisions made at these meetings to FGS for action. Provide leadership with respect to

evolution of the program. Elected for a 3-year term, renewable once, by the Deans/Directors and Graduate Chairs of the four participating units.

Administrative Assistant. Provide assistance in maintaining records of students, receiving applications, communicating with FGS, take minutes of AHSPC meetings, and communicate regularly with the Chair on issues concerning the program.

AHSP Committee. Consists of the AHSPC Chair, the four partner Graduate Program Chairs or their designates, four members-at-large elected from among approved faculty members of the four partners, the Dean of Graduate Studies or his/her designate, and two graduate students. This voting committee is responsible for all decisions made regarding the program, including funding and academic matters.

AHSP Executive Committee. Consists of the AHSPC Chair, the four partner Graduate Program Chairs or their designates, and one graduate student (one of the two graduate students from the AHSPC) who will deal with and oversee regular on-going functioning of the program. Deals with issues such as: admissions, candidacy exams and thesis proposal committees, thesis defence committees, program and thesis plans, yearly evaluation of students, designation of potential Ph.D. advisors, participation program of Ph.D. students (poster day, seminars), thesis format as traditional vs. published manuscripts, and the like. This committee will meet at the call of the Chair. Makes recommendations to the AHSPC which will be voted on at that level.

III. Ability to transfer courses into the program

Credit for courses completed prior to admission to the Ph.D. program will be considered on an individual basis, consistent with the guidelines of the FGS.

IV. Other procedures and regulations specific to the program, but not covered above – Supplemental Regulations

See Appendix H

4. Projections and implementations

I. Provide a sample program listing for a typical student in the program and a timeline for completion of their studies leading to the credential proposed.

Year 1	Course - Research & Practice in Applied Health Science (three credits) Seminar in Applied Health Science (mandatory attendance) Course – from grad calendar of Faculty A
Year 2	Course – from Grad calendar of Faculty B Course – from Grad calendar of Faculty A, B, or other Seminar in Applied Health, Science (mandatory attendance) Research Candidacy exam

- Year 3 Research
 Presentation at congresses
- Year 4 Complete research, thesis defense

II. Estimate the enrolment for the first five years of the program and provide the evidence on which the projection is based.

We believe that the program will be popular, and that we will attract excellent candidates. In Year 1 we will accept six students, such that the six principal research directors will be spread among the four partner units. In Year 2 we will accept six more, and in Year 3, six more. In Year 4, and every year thereafter, we will accept as many as necessary to make up the full complement of twenty students.

III. State whether there is an intent to provide some aspects of the program through distance education and if so, how will this be effected.

There are no plans for this provision at the present time.

IV. Provide a schedule for implementation.

December 2005 – establishment of the AHSP committees

January-March 2006 Meeting of AHSP committee to finalize publicity of the program, application procedures, acceptance procedures.

June 2006. Finalization of new courses for the Program. Receipt of applications.

June 1, 2006. Deadline for application to program.

July 1, 2006. Notification of acceptance to applicants.

September, 2006. Program begins with 6 students.

B. HUMAN RESOURCES

1. Faculty

List all faculty members associated with the program (include adjuncts).

I. For research-based programs (i.e., thesis) indicate their expected association as:

- a) *Thesis advisors*
- b) *Thesis committee members*
- c) *Course teachers*

See Appendix F

II. For non-research-based programs (i.e., practicum or comprehensive) indicate their expected association as

- a) Student program advisors*
- b) Course teachers*

Provide an abbreviated CV for thesis advisors and student program advisors. For others, provide only a list (by year) of graduate courses taught over the last 5 years or a rationale for the individual's inclusion in their respective category.

See Appendix L

Indicate the extent of participation of thesis advisors listed in Ia) above in other programs and anticipated participation in the proposed program (using relative measures, e.g., 80/20 split program A/program B).

See Appendix F

Describe the impact of the proposed program on teaching loads.

Most of the coursework implicated in the new program will involve existing graduate courses in the four academic units. The new course – Research and Practice in Applied Health Sciences (see Appendix E) – and the Seminar in Applied Health Sciences - will be team-taught by faculty from the four partners, with coordination of these courses determined on a rotating basis among the four units. We are requesting support equivalent to the salary of a beginning assistant professor, to be shared among the 4 partners, to offset teaching that is necessary to accommodate the introduction of this new course and Seminar.

2. Support Staff

Indicate the role or participation, if any, of clerical or technical support staff in the delivery or administration of the program.

The Faculty of Nursing has a full time Program Assistant for the Master of Nursing Program. This individual also will provide support to the new proposed Ph.D. Program in Cancer Control. Additional support will likely be needed for the Chair of the Ph.D. Committee (when this individual is from the Faculty of Nursing). The Faculty of Nursing has a full time senior systems analyst and a full time computer technician. Services of these individuals would be available for support for web-based instruction.

The Faculty of Physical Education & Recreational Studies has a graduate program assistant assigned to the existent Masters' programs, who will be able to provide significant assistance to the Chair of the Ph.D. committee at least during the first two years. The Faculty of PERS also has two full-time computer technicians and a laboratory technician as support for students and research in this program.

The Faculty of Human Ecology will have an assistant for research programs and this person can also provide support for the Ph.D. students. The Faculty also has two technicians who support research. These persons will provide support for the Ph.D. students. A part-time computer technician and a web design specialist will support the delivery courses.

The School of Medical Rehabilitation has one support staff with dedicated time for the support of the existing M.Sc. program. This person will provide additional support for the Ph.D. students. In addition, a full time IST technician is available for support of research activities of the Ph.D. students.

3. *Other*

Indicate the participation in the program, if any, of individuals or groups external to the University of Manitoba and provide a rationale for their participation. List the credentials for each individual/group supporting their involvement.

N/A

C. *PHYSICAL RESOURCES*

1. *Space*

Describe the physical space in which the students will carry out this program of study and in which this program will be administered. (Classrooms for existing courses are assumed in place and no comment is required, but may be included if desired.)

The Faculty of Nursing is housed in the new state-of-the-art Helen Glass Centre for Nursing which opened in 2000. Space has been allocated on the fourth floor of the building to house the Ph.D. Program in Cancer Control and this proposed program. This space includes study space, group work space, reading resources, and computers for the Ph.D. students.

Research in the Faculty of Physical Education and Recreation Studies is housed in both the Max Bell Center and the Frank Kennedy Building. The Faculty has devoted a space of approximately 400 sq. ft. in the Health, Leisure and Human Performance Research Institute for graduate student study carrels.

The Faculty of Human Ecology currently has dedicated space for graduate students in several locations. The space for graduate students is being expanded and the expansion of spaces includes the needs of Ph.D. students.

The School of Medical Rehabilitation has three distinct locations for graduate student research activities, including the recently remodelled space at 771 McDermot which houses seminar rooms and a newly renovated Sun Life Rehabilitation Exercise Laboratory (shared with the undergraduate program), some office space within the Old Basic Sciences Building and the entire third floor of the Rehabilitation Hospital (800

Sherbrook) which houses 4 major research laboratories (>4000 sq ft), a seminar room, a classroom and student common space (>1000 sq ft). These spaces can be shared with the current contingent of M.Sc. Rehabilitation students.

See Appendix I for a 'resource implication' statement from the Director of Student Records.

I. Students

Student offices, study carrels, study/reading rooms, rooms with computer connections (if not included in other space), laboratory space, other research or study space as may be appropriate for the program.

Each of the four partner units will have a maximum of five Ph.D. students assigned to researchers in their units, and in the AHS program, at any given time. Each unit will house these five students and provide the necessary lab space, and student offices (see above).

II. Administrative

General office, graduate chair office (if applicable).

A full-time administrative assistant responsible for this program will be required. This person will be responsible for accepting applications, communicating with the Chair of the program on a regular basis, arranging meetings of the Program Committee, preparing and distributing minutes of meetings, and maintaining files of the students. Office space will be provided by the unit of the Chair.

2. Equipment

Equipment needs include a computer with monitor, desk, filing cabinets (eight drawers), telephone, fax.

I. Teaching

Instructional equipment needed in delivery of courses/workshops/seminars in the program (projectors, video, computers, etc.)

The instructional equipment needed is already in place among the four participating units.

II. Research

Major research equipment accessible to graduate students in the program, plans to retire/upgrade equipment or to obtain new equipment over the next five years.

Research equipment accessible to graduate students in this program is already in place.

*See Appendix I for a 'resource implication' statement from the
Director of Information Services Technology*

3. Computer

Facilities available to graduate students in the program (laptops, PC's, mainframe, scanners, printers, etc.), and anticipated usage of open areas, facilities reserved for students in the program, availability of a University account for use with email, internet access, etc.

Access to computers is available for all Ph.D. students in the Faculty of Nursing on a twenty-four-hour basis. These computers are maintained by the Faculty of Nursing.

In the Faculty of Physical Education and Recreation Studies, computers are available to all graduate students in the Health, Leisure and Human Performance Research Institute, where the graduate program is administered, and where all proposed Ph.D. advisors are research affiliates. Within the Institute there are a fax machine and photocopier, which are available for use by research affiliates and their students.

Graduate students in the Faculty of Human Ecology will have individual access to the University network, email and internet.

Full access to computing facilities including printing and fax is available on the Rehabilitation Hospital research space in the School of Medical Rehabilitation. In addition, general computing access is available in the Brodie Centre.

4. Library

a) Describe existing resources available for use in the program

The resources available for the program include the University of Manitoba libraries, including eleven libraries on the Fort Garry Campus and one on the Bannatyne Campus. Together they contain over two million volumes, subscribe to nine thousand serials, hold a variety of materials in microform and multimedia formats, and provide access to both local and remote databases.

b) Describe new resources required

Based on the extensive analysis of library resources presumed to be necessary for the proposed program, we are requesting on-going funds of \$4,500.00/yr for the costs of monographs and journal subscriptions. One-time funds of \$2,019 for monographs and back issues of one journal are needed as well. No additional library resources will be required, given the current holdings needed for the Masters' programs in the participating units.

See Appendix I for a 'resource implication' statement from the Director of Libraries.

D. FINANCIAL RESOURCES

1. Delivery costs

List and describe immediate and projected additional costs involved in running the program.

I. Costs associated with Human Resources implications under the headings B. 1, 2 & 3

One Administrative Assistant to the Chair of the Applied Health Sciences Ph.D. Committee - \$ 40,000/yr.

See Appendix K for a memo from Dr. Robert Kerr, Vice-President (Academic) confirming that funding for this position will be covered by his office.

Funds equivalent to the salary of an assistant professor to accommodate course workload associated with the new program.

II. Costs associated with Physical Resources implications under the above headings B. 1, 2 & 3

We estimate an additional \$ 16,000/yr will be necessary to operate the program. This includes costs of hosting the presentation day, invited speakers, rental of poster boards. Each unit will contribute equally to these expenses from existing operating budgets.

III. Costs associated with research not covered above.

For the categories above indicate which costs are to be covered by internal (to unit) reallocation of existing budget(s) and which costs represent need for new funds.

N/A

2. Student support

Indicate how and to what extent support of students is anticipated and indicate what commitment is made for student recruitment.

Students will be strongly encouraged to apply for fellowships/scholarships through federal (CIHR, SSHRC, NSERC, Heart & Stroke, Canadian Diabetes) and provincial (MHRC, Manitoba Heart & Stroke) agencies. Many potential Ph.D. research advisors will possess research funds with which to pay student stipends.

3. Identification of new financial resources

Indicate any new sources of funds that are anticipated for supporting the program.

There are none.

4. Balance sheet

Provide a financial statement summarizing the expected costs and the revenue anticipated. Present a financial plan that includes all costs from start-up to achievement of a "steady-state" operation of the program. Include such items as capital start-up needs and phasing in of FTE growth.

	Year 1	Year 2	Year 3	Year 4
	(2006-7)	(2007-8)	(2008-9)	(2009-10)
<hr/>				
COSTS				
Salary support ¹	\$68,000	\$69,360	\$70,747	\$72,162
Unit contributions ²	\$16,000	\$16,320	\$16,646	\$16,979
Admin. Ass't ³	\$40,000	\$40,800	\$41,616	\$42,448
REVENUES				
Tuition fees	\$25,200 ⁴	\$50,400 ⁵	\$54,444 ⁶	\$59,836 ⁷
<hr/>				

¹ \$68,000, equivalent to the salary of an assistant professor (indexed at 2%/annum). This will be shared by the 4 units to offset teaching loads of those professors who will teach courses and coordinate seminars in the program. This support will be requested from COPSE, but with the understanding that if funds are not available from COPSE, the 4 partners will attempt to develop strategies which will allow this program to run.

² Each unit will contribute \$4,000 from its annual budget to the program, for general operational costs (indexed at 2%/yr)

³ Salary of an administrative assistant for the program (indexed at 2%/yr). This is being supplied by the office of the VP Academic (see letter in Appendix K).

⁴ assuming six students in the program, each paying tuition fees of \$4,200/yr

⁵ twelve students in the program, each paying tuition fees of \$4,200/yr

⁶ eighteen students now in the program. Six are now paying continuing fees (\$674/yr) since they have already paid full tuition for two years

⁷ twenty students in program. Twelve are paying full tuition (four newly accepted this year), eight are paying continuing fees, four have completed.

5. Supporting documents

Provide letters of support from departments/faculties/units and outside groups/agencies/organizations as appropriate.

See Appendix J for "Letters of Support".

Report of the Senate Planning and Priorities Committee on the Proposal to introduce a Ph.D. in Applied Health Sciences

Preamble

1. The terms of reference of the Senate Planning and Priorities Committee (SPPC) are found in the *Senate Handbook*, Section 8.32, wherein SPPC is charged with making recommendations to Senate regarding proposed academic programs.
2. The Councils of Faculties of Human Ecology, Nursing, Physical Education and Recreation Studies and the School of Medical Rehabilitation have approved the Proposal for a Ph.D. Program in Applied Health Sciences and have recommended it to Faculty of Graduate Studies for Approval.
3. The Programs and Planning Committee of the Faculty of Graduate Studies (FGS) has the responsibility of reviewing new graduate programs and makes recommendations to FGS Council.
4. On the basis of such a recommendation from the Programs and Planning Committee, The FGS has approved the proposal and recommends that Senate approve a new Ph.D. Program in Applied Health Sciences.

Observations

1. It is important to note that four academic units have come together to propose this unique, timely, collaborative multi-faculty, research-based Ph.D. Program in Applied Health Sciences, which will provide access for students to the unique mixture of expertise in the four academic units, and an array of subject areas related health sciences. Also it will serve to reduce discipline specific barriers around the complex "multi-dimensional" concept of health.
2. The documentation indicates that the program is a high priority for all of the four units involved in this application. The applicants have demonstrated the need for this program to develop staff for work in the health professions and to serve as faculty members in a range of academic programs both at the University of Manitoba and other Universities across Canada.
3. The Committee observed that the proposed academic component of this degree program could be reviewed for approval at this point with the understanding that the participating academic units would develop supplementary regulations that would be approved by the Faculty of Graduate Studies at some future date.

4. The proponents have proposed an appropriate workable governance structure for this unique multi-faculty program which will require a great deal of collaborative efforts in all aspects of the program administration.
5. The Library has indicated that no additional library resources will be required given the nature of current holdings needed for the Master's programs in the participating units.
6. This program will require relatively modest additional resources. Academic staff will be drawn from the participating units which will also contribute equally to the program's operating costs. The Provost has agreed to fund one administrative assistant position. Tuition revenues would also contribute to the program's operating expenses. Nonetheless, additional funds will be required for sessional academic appointments. In total, these funds would be the equivalent of an entry-level Assistant Professor's salary and will be sought from the Council of Post-Secondary Education.
7. The Committee noted that this proposal provided a reasonable estimate of the real costs of this program. It thought this program was an efficient innovative way to respond to the nature of the need for this educational program. It felt that this form of innovative interdisciplinary programming was worthwhile pursuing.

Recommendations:

The SPPC recommends that:

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

Respectfully submitted,

Norman Hunter, Chair
Senate Planning and Priorities Committee

REPORT OF THE SENATE COMMITTEE ON NOMINATIONS

Preamble

1. Since last reporting to Senate (June 29, 2005), the Senate Committee on Nominations (SCN) met on February 9, 2006 to consider nominations to fill vacancies on the standing committees of Senate.
2. The terms of reference for the SCN are found in Section 8.31 of the *Senate Handbook* (online version).

Observation

1. The vacancies listed below exist due to one retirement by a committee member and one vacant position.

Recommendation

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

Committee	Nominee(s)	Faculty/School	Term Ending
Senate Committee on Appeals	Udaya Annakkage	Engineering	31.05.07
	Brian Amiro*	Agricultural & Food Sciences	31.05.06

* Alternate position.

Respectfully submitted,

Prof. B. Dronzek, Chair

/lrj