

BOARD OF GOVERNORS

Alan A. Borger Sr. Executive Conference Room
E1-270 Engineering Information and Technology Complex
Tuesday, September 28, 2010
4:00 p.m.

OPEN SESSION

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FOR ACTION

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If any member of the Board wants to ask a question, discuss or oppose an item that is marked for the consent agenda, the member can have an item removed from the consent agenda by contacting the Secretary of the Board prior to the meeting or by asking that it be removed before the Chair calls for a mover and seconder for the motion to approve or receive, by unanimous consent, the items listed.

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MOTION TO MOVE TO CLOSED AND CONFIDENTIAL SESSION
MOTION TO ADJOURN



**Minutes of the Meeting of the Board of Governors
Open Session
June 22, 2010**

The meeting was held at 4:00 p.m. in the Alan A. Borger Sr. Executive Conference Room, E1-270 EITC.

Present: T. Sargeant, Chair
J. Leclerc, University Secretary

M. Ates D. Barnard A. Berg P. Bovey R. Dhalla M. Forsen
G. Hatch M. Labine H. Laube J. Lederman R. Mahé M. Robertson
T. Strutt R. Zegalski

Assessors Present:

B. Austin-Smith J. Sealey

Officials Present:

J. Alho T. Hay K. Inskip D. Jayas J. Keselman D. McCallum

Regrets:

E. Bowness A. Curran J. Embree N. Halden J. Hoskins H. Milan
H. Sector

1. **Announcements**

Mr. Sargeant noted that there were a number of regrets for the meeting.

2. **Approval of the Agenda**

It was moved by Ms. Bovey and seconded by Ms. Forsen:

THAT the agenda for the June 22, 2010 Open Session be approved as circulated.

CARRIED

3. **Minutes**

3.1 Open Minutes

It was moved by Ms. Hatch and seconded by Mr. Robertson:

THAT the minutes of the May 18, 2010 Open Session be approved as circulated.

CARRIED

3.2 Business Arising – Mrs. McCallum noted that a report regarding debt financing would be provided to the Board at the September meeting.

4. **Unanimous Consent Agenda**

It was moved by Mr. Strutt and seconded by Ms. Labine that the Board of Governors approve and/or receive for information the following:

THAT the Board of Governors approve 22 new offers, 27 amended offers, and the withdrawal of four offers, as set out in Appendix A of the Report of the Senate Committee on Awards [dated April 5, 2010].

THAT the Board of Governors receive for information the financial statements of Smartpark Development Corporation for the year ended March 31, 2010.

THAT the Board of Governors receive for information the notice of implementation of the Ph.D. in Native Studies.

THAT the Board of Governors receive for information the notice of implementation of the DMD/Ph.D. in Dentistry.

CARRIED

5. **Report from the President**

Dr. Barnard noted that the Province was still considering proposals regarding professional tuition fee increases, and that if the Province accepts all or a portion of the recommendations; they will come forward to the Board of Governors for approval. He also discussed the upcoming annual President's Executive Team retreat, and that John Kearsy would be joining the University as the Vice-President (External) in mid-July.

6. **From Audit and Risk Management Committee**

6.1 Annual Financial Report

Ms. Lederman noted that the Audit and Risk Management Committee reviewed the submission and met with the internal auditor and members of the Office of the Auditor General. The members of the Office of the Auditor General remarked on the good working relationship established with the University's senior management.

Mr. Hay reviewed the statements with the Board, highlighting that the Office of the Auditor General was prepared to issue an unqualified opinion. He also discussed the recommendation from the Audit and Risk Management Committee to include a reference to the proposed loan agreement regarding the professional football stadium in the report from the Vice-President (Administration), rather than including a note in the statements.

It was moved by Ms. Lederman and seconded by Ms. Bovey:

THAT the Board of Governors approve the Consolidated Financial Statements of the University of Manitoba for the year ended March 31, 2010.

CARRIED

The Board of Governors received the following items for information:

8. **Reports**

8.1 Update from the UMSU and GSA Presidents

Ms. Laube discussed the recent successful UMSU retreat with UMSU executive members, Senior Sticks and UMSU representatives. Ms. Labine added that the GSA was planning their executive retreat and solidifying ideas for the upcoming year.

8.2 Thank You to the Chair

Dr. Barnard, on behalf of the entire University community, thanked Mr. Terry Sargeant for his service to the Board of Governors and the University of Manitoba as a member, Vice-Chair and Chair of the Board of Governors over the past nine years. He added that since he first met Mr. Sargeant, his enthusiasm for the University was unparalleled and that he had served the University with distinction.

Mr. Sargeant remarked that he had completed two degrees at the University, however the best learning experience by far has been being a member of the Board. It provided him with the opportunity to meet a wide range of fascinating people from the academic and administrative staff members, to dealing with an unbelievably wide range of issues from minor labour

resolutions to the stadium deal. He noted he would miss being a member of the Board and thanked the Board for their support.

Motion to Move to Closed and Confidential Session

It was moved by Ms. Bovey and seconded by Mr. Zegalski:

THAT the Board of Governors move into Closed and Confidential Session.

CARRIED

Motion to Adjourn

It was moved by Mr. Ates:

THAT the meeting adjourn.

CARRIED

Chair

University Secretary

PRESIDENT'S REPORT: September 28, 2010

GENERAL

Building on the University of Manitoba's increasing focus on arctic issues, I took advantage of a series of opportunities in recent months to further develop relationships with organizations undertaking arctic research and seeking to advance northern issues. At the invitation of program director Martin Bergmann, I traveled to Resolute to view first-hand the research being undertaken under the auspices of the Polar Continental Shelf Program and consider potential partnerships between the program and the University. In addition, I hosted a number of members of Manitoba's government and business communities on a trip to Churchill designed to increase their awareness of the work being done by the University of Manitoba, including the research on arctic sea ice being led by Dr. David Barber. Finally, I ended the summer by participating in the University of the Arctic (UARctic) Rectors' Forum in Alaska, and successfully bid for the University of Manitoba to host the Rector's Forum scheduled for late in 2011.

Along with John Kearsley, Vice-President (External) and John Alho, Associate Vice-President (External), I travelled recently to Hong Kong as part of the Premier's mission to China and Hong Kong. The mission included several opportunities to strengthen ties with University of Manitoba alumni and friends, including a large number of graduates at a reunion held for our Hong Kong alumni, a luncheon with members of the Canada-Hong Kong Chamber of Commerce, and a meeting with the Li Ka Shing Foundation, focused on further developing our already strong partnership with the Foundation.

Members of the Council on Post-Secondary Education met with the President, Vice-Presidents and the Chair of the Board of Governors to review the University's estimates of operating and capital requirements for 2011/2012. Assuming status quo operations, a base grant increase of 7.34% or \$21.15 million is required to sustain the 2010/11 programming levels. In addition to the requested base grant increase, an increase of \$6 million will be requested to support the priorities incorporated in the University's strategic planning framework.

Building on last year's enrolment increase, student numbers have increased again this fall. Enrolment is up again for the 2010 Fall Term, as first-day numbers suggest an increase of 1.0 per cent over 2009 from 27,262 students last fall to 27,540 this year. This includes increases in undergraduate enrolment of 1.4% and international student enrolment of 5.8%, partially offset by a slight reduction in graduate student enrolment of 1.7%.

ACADEMIC MATTERS

Staff Distinctions

- Terry Cook, History; Leslie Roos, Community Health Sciences; and George Toles, Arts, were elected to the Royal Society of Canada (RSC), the country's most esteemed association of scholars and scientists.
- Fouad Daayf, Plant Science, was elected Vice-President of the Canadian Phytopathological Society.

- Raymond Currie, Dean Emeritus, Arts, and Executive Director of the Canadian Research Data Centre Network, received the 2010 Lise Manchester Award "for his leadership role and vision in bringing the network to a high level of excellence in the promotion and use of a broad range of micro data for research work that has influenced the formation of social and health policies in Canada."
- Ronald Stewart, Environment and Geography, recently became a Fellow of the Canadian Meteorological and Oceanographic Society (CMOS). "The Society exists for the advancement of meteorology and oceanography in Canada".
- Kenneth Standing and Werner Ens, Physics and Astronomy, are the first University of Manitoba professors to win the Encana Principal Award, the highest honour granted by the Ernest C. Manning Awards Foundation. The award recognizes Canadians who have demonstrated recent innovative talent in developing and successfully marketing a new concept, process or procedure. The research team received the award for advancing the field of time-of-flight mass spectrometry. Mass spectrometry is used to identify compounds and their chemical composition. Standing/Ens introduced significant improvements which allows for a clearer picture of a compound's composition. Over the years, advances, including those of Standing and Ens, have enabled the analysis of larger biological molecules like proteins. Studying proteins is of tremendous importance to understanding biological processes and in designing more effective clinical diagnostic tools and pharmaceuticals. In 2003, members of the Standing/Ens research team helped identify and characterize key proteins of the SARS virus using mass spectrometry techniques. The research group has participated in projects that involve cancer treatments, tissue transplant rejection and disease resistance in wheat. Recently, they became involved in developing improved methods of biofuel production. Drs. Werner and Ens accepted the \$100,000 award at a gala dinner in Ottawa in September. This award is a first for faculty members at the University of Manitoba and only the second time it has been awarded to a Manitoba team: University of Manitoba alumnus Frank Gunston won the Principal Award in 1989.
- John Brewster, Statistics, was named president-elect of the Statistical Society of Canada (SSC) for the period July 1, 2010 to June 30, 2011. Brewster's term as President will commence July 1, 2011.
- David Williams, English, Film, and Theatre, was a short-listed finalist for the 2009 ACQL Gabrielle Roy Prize for Literary Criticism for his book entitled *Media, Memory, and the First World War*. His book entitled *Imagined Nations: Reflections on Media in Canadian Fiction* won the 2003 Gabrielle Roy Prize, a fact that makes this latest accolade all the more outstanding.

Student Honours

- Dylan MacKay, Food and Nutritional Sciences graduate student, recently won the Mission ImpULSEible: Food Development Competition, for his "Pea-rogy," a variation of the perogy made with a chickpea and wheat flour dough and infused with mashed chickpea and potato filling.
- Suresh Neethirajan, a recent Ph.D. graduate from Biosystems Engineering, was awarded the Armand BLANC Prize by the World Congress of the International Commission of Agricultural and Biological Engineering. The Armand BLANC prize is awarded to young researchers for presenting excellent technical and scientific papers at a CIGR World Congress. Suresh was also a recipient of the Best Ph.D. Thesis Award from the Canadian Society for Bioengineering.

- Heather Wilton, Animal Science undergraduate student, won the third-place award (of 5,000 registrants) for the Canadian regional competition for the Alltech Young Scientist Award. Entrants write a scientific paper based on a topic about animal feed technologies.
- Sherrie Rennie, School of Art undergraduate student, was the National Winner of the 2010 BMO 1st Art! Invitational Student Art Competition.

New Initiatives/Special Events

- This fall the School of Art proudly launched the Master of Fine Art program with the first contingent of graduate students. Four students are enrolled in the program and will immerse themselves in studio practice and research for the next 2 years. The School of Art also launched a new curriculum for first year students. The new courses are designed to provide students with a strong background in visual art, introduce them to more faculty members and to present the different studio areas of the school more quickly so that they may make crucial studio selections more confidently.
- The Faculty of Arts admitted the first (Fall 2010) cohort of students to the Bachelor of Arts: Integrated Studies. The degree provides a unique and much needed opportunity for graduates of selected certificate programs to ladder those credentials into a University of Manitoba degree program. The degree program is of significant interest to the nearly 3,000 adult students currently enrolled in Extended Education's certificate programs as well as our recent graduates.
- The Prime Minister of Iceland, Jóhanna Sigurðardóttir recently visited the University of Manitoba's Icelandic Collection in the Elizabeth Dafoe Library, hosted by Dean Richard Sigurdson.
- Summer Session had its best *Jazz Camp* ever with 91 enthusiastic participants, featuring Steve Kirby, Jimmy Greene, George Colligan, and new professor of Jazz Studies, Quincy Davis. The *Jazz on the Rooftop* evening concert was a sold out performance.
- A fire at the University of Manitoba's Downtown: Aboriginal Education Centre occurred on August 24. The space was deemed unusable and fall classes for the over 1,000 students have been relocated primarily to Fort Garry Campus. Affected programs include Aboriginal Focus Programs, English Language Studies, Continuing Education and Off-Campus (degree) Study.
- The department of Psychology has re-occupied the Duff Roblin building, and the Biological Sciences administrative offices are now located in the Duff Roblin trailers. The Biological Sciences department will be providing undergraduate teaching labs for seven courses in Duff Roblin 200-level this fall, as well as Machray Hall and the Allen Building.
- Over 20 actors and directors with roots in the Department of English, Film, and Theatre performed in and or directed shows in this year's Winnipeg Fringe Festival. Among those performing were Bill Kerr (Assistant Professor), who acted in and directed Enda Walsh's *Bedbound*. Megan Andres, one of this year's Faculty of Arts graduates, played Bill's daughter in the show. Chris Johnson (Professor) acted in and directed Sam Shepard's *Fool for Love*. Tim Bandfield (Theatre's teaching assistant) appeared in two shows, co-authoring one of them.

- The cover of the Summer 2010 issue of one of the world's leading publications, *Computer Music Journal*, features the music of Örjan Sandred, Music. The issue also includes one of his articles entitled "PWMC, a Constraint-Solving System for Generating Musical Scores". The recipient of a CFI grant, Faculty composer Örjan Sandred is a specialist in the area of electro-acoustic music, and director of the University of Manitoba's Studio FLAT.

RESEARCH MATTERS

- Sara Kreindler, assistant professor in community health sciences, and researcher at the Winnipeg Regional Health Authority Research and Evaluation Unit received the Harkness Associate Award in Health Care Policy and Practice. This award is given to only two Canadian researchers each year and is distributed by the Commonwealth Fund's International Program in Health Policy and Practice. The fellows spend up to one year in the U.S. doing original research and working with leading American health policy experts.
- The Office of the Vice-President (Research) and Canadian Institutes of Health Research (CIHR) hosted the first of a series of six Café Scientifiques at McNally Robinson Grant Park on September 20, 2010 at 7:00 p.m. The remaining five Cafes will be held between October 2010 and March 2011. Dr. Peter Cattini, physiology and University CIHR Delegate, and Ms. Janine Harasymchuk, Research Communications & Marketing, were successful in obtaining funding for the series from CIHR's most recent competition for funds. The first Café is titled "Arthritis: Am I at risk? What can I do?" Café Scientifiques are an opportunity for members of the community to interact directly with scientists/researchers and discuss the health research they are doing. The five additional upcoming Cafes cover the topic areas of Vitamin D, Osteoporosis, Men's Health, Schizophrenia and Mobility in Older Adults.
- The 2010/11 season of the *Bringing Research to Life* public lecture series kicks off on September 29 at 7:00 p.m. in the Robert B. Schultz Lecture Theatre with Drs. David Levin and Richard Sparling presenting on "Bacteria: Refineries for Biofuel Production." The remaining five presentations in the series cover the topic areas of age-friendly communities (Dr. Verena Menec); Canada's water supply (Dr. Tricia Stadnyk); chemical contamination and climate change (Dr. Feiyue Wang); human rights (Dr. Karen Busby); and spatial cognition (Dr. Debbie Kelly).
- The latest issue of *ResearchLIFE* is out on campus. This issue marks the first 'theme' issue around northern research strengths at the University of Manitoba. Researchers highlighted include: Drs. Søren Rysgaard, David Barber, Bruce Martin, Peter Kulchyski and Chris Trottier.
- The Office of Research Services (ORS) conducted a SSHRC Partnerships Grants Workshop on August 19, 2010, co-presented by Brent Deere (ORS) and Eve Nimmo (Research Grants Facilitator) to the Faculty of Architecture.
- The Course in Human Subject Protection Program (CHRPP) is now available on-line for all students and staff at the University of Manitoba. After piloting a review of the tutorial over the past few months, the VP (Research) Office has purchased the license to CHRPP. This is a tutorial that is completed on-line. CHRPP addresses, with contemporary examples and some Canadian content, important ethical issues necessary for review by researchers and students working with human participants. CHRPP content is applicable to all research involving humans be it related to the study

of health, the social sciences, and the humanities. The link that follows further describes this resource <http://www.chrpp.ca/homepage/MAN/>

- On September 1, 2010, the Social Sciences and Humanities Research Council (SSHRC) announced \$2,515,327 in funding to 17 professors and 44 graduate students and fellows at the University of Manitoba. Below is a partial list of recipients (17 faculty members):

Researcher	Project Title	Amount
Benjamin Baader, history	German-Jewish Family Life: Class, Jewishness, and Gender in Letters and Diaries, 1813-1871	\$56,000
Hari Bapuji, business administration	Increasing Recalls and Smaller Rate of Returns: An Exploratory Research	\$39,125
Étienne Beaulieu, French, Spanish and Italian	Poétiques de la Prose Romantique Française	\$62,613
Joanna Black, education	Model New Media/Video Programs in Arts Education: Case Study Research	\$32,640
Kathleen Buddle-Crowe. Arthur V. Mauro Centre for Peace and Justice	De-ciphering Native gangs: Backstreet Sociality in a Prairie City	\$126,710
Joyce Chadya, history	From Dust to Dust: the Cultural Shift on the Zimbabwean Deathscape, 1890-2009	\$54,000
Judith Chipperfield, psychology	The Role of Control-Based Belief Systems in Achievement and Well-being	\$84,436
Iain Davidson-Hunt, Natural Resources Institute	Cultural Landscapes as Land-based Practice: Everyday life and the Conservation of Natural and Cultural Heritage; and Building an International Research Network for Collaborative Coastal Management: Sharing Experiences from Brazil and Canada	\$123,420 and \$60,000
Lawrence Deane, social work	Localization of Social Work Practice with Urban Migrant Workers in China	\$74,662
Norman Frohlich, business administration	Relating a Safety Net Theory of Distributive Justice to Liberal Democracy	\$37,290
Jijun Gao, business administration	The Dark Side of Corporations: Corporate Social Irresponsibility and its Causes	\$59,500
M. Sandy Hershcovis, business administration	Workplace Aggression from the Perspective of the Observer	\$75,719
Sandra Ingram, design engineering	An Exploratory Study on the Role of Cooperative Education Programs in Enhancing the Career Paths of Internationally Educated Engineers	\$26,270
Terry Janzen, linguistics	Designing a corpus of American sign language use in Canada	\$39,986
Janet Hua Jiang, economics	Financial Stability: an Experimental Study	\$17,262

Brian Lewthwaite, education	Culturally Responsive Teaching and School Development Processes for Yukon First Nation Settings	\$129,697
Dawne McCance, religion	Freud after Derrida	\$22,895
Elizabeth Millward, women's and gender studies	Making a Scene: a Cultural Geography of Lesbian Canada, 1964-1990	\$47,254
Susan Prentice, sociology	Advancing Work-family Reconciliation: Framing Gender and Generational Justice Across Canadian and European Social Movements and Policy	\$38,789
Kerstin Roger, family social sciences	Older Adults and Abuse: What is it	\$14,559

- Seven researchers received funding totalling \$879,850.12 for eight projects:

Researcher	Funder	Project Title	Amount
Jan Plaizier, animal science	Dairy Farmers of Manitoba	Reducing whole farm surpluses of phosphorous and potassium in intensive livestock operation: A case study of dairy farms	\$120,000
David Lobb, soil science	Deerwood Soil and Water Management Association	Manitoba WEBs II project in South Tobacco Creek Watershed	\$213,800
Kristopher Dick, biosystems engineering	Emercor Ltd.	Emercor structural insulated panels building envelope research programme - Phase 1	\$24,000
Denis Krause, animal science/medical microbiology	Manitoba Cattle Producers Association	Microbiome analysis and novel microbial based diagnostics for Johne's disease in cattle	\$255,000
Christina Lengyel, human nutritional sciences	Manitoba Food Processors Association (MFPA)	Consumer profiles of baby boomer and mature women residing in Manitoba: Key drivers and motivation for food choices	\$45,000
Brenda Hann, biological sciences	Manitoba Hydro	Trophic interactions and energy flow in the Lake Winnipeg ecosystem	\$82,050
John Eaton, libraries-law	Manitoba Law Foundation	E.K. Williams Law Library Grant 2010/11	\$69,000
Kristopher Dick, biosystems engineering	North Star Fibre Inc.	North Star Fibre cellulose building envelope research programme - Phase 1	\$24,000

Kristopher Dick, biosystems engineering	Octaform Systems Inc.	Building envelope research programme - Octaform Systems Phase 1	\$47,000
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- Networks Centres of Excellence (NCE) – eleven researchers received funding renewals (*) totalling \$389,868. One researcher received new funding. In 2009/10, there were 58 University of Manitoba researchers involved in eleven NCEs nationwide. A list of the awardees follows:

Researcher	NCE	Project	Funding
Carol Hitchon (NEW), internal medicine	Canadian Arthritis Network	The role of vitamin D and oral health in rheumatoid arthritis	\$44,800
Eric Bibeau*, mechanical & manufacturing engineering	Auto21	Battery Storage & Optimization for PHEV	\$27,000
Shaahin Filizadeh*, electrical & computer engineering	Auto21	Battery storage and optimization of plug-in hybrid vehicles	\$27,000
Ekram Hossain*, electrical & computer engineering	Auto21	Vehicular telematics over WiFi and WiMax multihop networks	\$26,700
Rick Linden*, sociology	Auto21	Anti-social behavior and the automobile: Understanding and preventing automobile-linked crime in Canada	\$30,318
Robert McLeod*, electrical & computer engineering	Auto21	A prototype framework for V21 application development and prototyping	\$26,700
Lynne Warda*, pediatrics & child health	Auto21	Childhood automobile safety: Booster seat use among Canadian children	\$20,000
John Sinclair*, Natural Resources Institute	Canadian Water Network	Governance for Watershed-Based Source Water Protection in Canada: A National Assessment	\$26,150
Al Woodbury*, civil engineering	Canadian Water Network	Towards economic and environmental sustainability in agriculture through the implementation of combined beneficial management practices and remedial approaches designed to minimize impacts to water quality	\$25,000
Ronald Stewart*, environment & geography	Canadian Water Network	Strategies for Managing the Effects of Climate Change on Microbial Contamination of Surface Water	\$33,000

		Supplies in Small and Aboriginal Communities	
Barbara Shay*, physical therapy	Canadian Arthritis Network	Automated tracking and assessment exercise system for telemedicine-based, long-term monitoring, support and medical management for rheumatoid arthritis of the hand	\$20,000
Tony Szturm*, physical therapy	Canadian Arthritis Network	Automated tracking and assessment exercise system for telemedicine-based, long-term monitoring, support and medical management for rheumatoid arthritis of the hand	\$22,000
James Peters*, electrical & computer engineering		Canadian Arthritis Network Automatic tracking and assessment exercise system for rheumatoid arthritis of the hand	\$106,000

- Sixty-four health researchers received funding totalling \$11,855,354 from 20 sponsors. Projects receiving more than \$250,000 are listed below:

Researcher	Funder	Project	Funding
S. Driedger, community health sciences	Canadian Cancer Society Research Institute	Advancing quality in cancer control and cancer system performance in the face of uncertainty	\$711,198
Andrew Halayko, internal medicine	Manitoba Health Research Council	Effects of statins on H1N1 influenza A infection and respiratory disease severity	\$300,000
Xin-Min Li, psychiatry	CIHR	CIHR team in Schizophrenia - Are oligodendrocytes the missing piece of the puzzle? A systematic study of the role of oligodendrocytes in schizophrenia from bench to bedside	\$500,000
Jonathan McGavock, pediatrics & child health	CIHR	The physical activity for overweight youth at risk for type 2 diabetes (POWER) trial	\$413,667
Redwan Moqbel, immunology	Manitoba Health Research Council	Tryptophan catabolism, kynurenines and glutamate in T-cell deviation in asthma	\$300,000
Michael Mowat, biochemistry/medical genetics/cell biology	Canadian Cancer Society Research Institute	Role of deleted in liver cancer (Dlc) tumor suppressors genes in mammary tumor metastasis and drug response	\$301,212

Francis Plummer, medical microbiology	CIHR	Identification and characterization of immunologically relevant T cell epitopes of HIV-1	\$358,392
Daniel Roberts, internal medicine	CIHR	Delineation of the relationships between proton pump inhibitor (PPI) use and the development of osteoporosis and osteoporosis related fractures	\$300,000
Cheryl Rockman-Greenberg, pediatrics/biochemistry/medical genetics	Enobia Pharma Inc.	Protocol: ENB-008-10 extension study of protocol ENB-006-09 evaluating the long-term safety and efficacy of ENB-0040 (Human recombinant tissue nonspecific alkaline phosphatase fusion protein) in children with hypophosphatasia	\$275,258
Cheryl Rockman-Greenberg, pediatrics/biochemistry/medical genetics	CIHR	Physical activity for overweight youth at risk for Type 2 diabetes (POWER) trial	\$300,000
Ronald Stewart, environment & geography	CIHR	The Canadian environment, health and social equity proof-of-concept project: Mobilizing knowledge for addressing urban environmental health inequities	\$300,000
Jude Uzonna, immunology	Manitoba Health Research Council	Immunity to parasites and beyond	\$410,000
Roberta Woodgate, nursing	Manitoba Health Research Council	Advancing our understanding of children's and youth's health and illness experiences	\$410,000

ADMINISTRATIVE MATTERS

- **Project ROSE** – A key milestone was reached over the summer months with the completion of Phase 2, the Design Phase. Over 400 University of Manitoba staff participated in collaborative workshops led by PricewaterhouseCoopers (PwC) at which specific administrative “as is” processes were reviewed and “to be” designs were developed. The “to be” designs, implementation plans and the benefits case for change for each stream were presented to the steering committee as the first step in the process to determine which options to move forward.

A detailed design document including recommendations for implementation was presented by PwC and reviewed by the project co-chairs and University stream leads. A series of discussions were held to review the final scope, timing and prioritization for all workstreams leading to the development of an implementation plan that will be discussed with Provost's and Executive Councils at a joint retreat on September 27 and 28, 2010.

The IT Bannatyne Deskside Services pilot commenced on July 21, 2010 and will run until September 30, 2010. The pilot is providing central IT supports to administrative users in the faculties of Dentistry, Medicine and Pharmacy at the Bannatyne Campus aiming to enhance the service, support and efficiency in providing services. The initiative is piloting a service model that could potentially be adapted and deployed university wide.

Early ROSE project savings have been realized via a number of initiatives including the renegotiation of supply-chain contracts (for e.g. Grand and Toy \$250,000, Unisource \$33,000). Further savings are expected through the negotiation of new or revised contracts for scientific equipment, print management and IT procurement.

The leveraging of technology will result in significant financial and environmental savings through the distribution of electronic materials such as e- paystubs, e- phone book, e- monthly reports, etc. So far over 5,000 employees have been converted to this more efficient process. A pilot group from five faculties is testing the delivery of electronic monthly operating reports. After testing is complete, production and distribution of the hard copy will cease. The University's Office of Sustainability has reported that by eliminating the paper based copies of the U of M telephone directory, the University will save approximately 16.2 trees, 36 Million BTU's of energy, 7600 lbs of CO₂, 19,800 gallons of water and about 2050 lbs of solid waste annually.

The contracting out of Catering and Conference Services is anticipated to save at least \$250,000 annually. The restructuring of Advocacy Services is resulting in an annual savings of \$100,000.

Other planned initiatives in the short term include an on-line travel and expense booking tool which will result in further savings and improved service. On the revenue generation side, funding has been set aside to seed initiatives that will enhance recruitment of international students and funding has also been made available from the University Investment Trust (UIT) to support the hiring of additional fundraising staff.

- **COPSE Critical Projects** – A submission has been prepared and forwarded requesting funding for major capital projects for 2011/12. The total funding required to address all major capital projects is \$317.92 million. The crucial projects identified as Priority 1 total \$13.47 million.
- **Restructuring Initiative - Office of Fair Practices and Legal Affairs** - Three offices have been brought together under the umbrella of the "**Office of Fair Practices and Legal Affairs**": Equity Advisor, Access and Privacy, and the Office of Legal Counsel. These units will operate independently of each other, but will take advantage of the synergies that can be realized by their closer cooperation. The position of Equity Advisor, renamed the Human Rights and Equity Advisor, has relocated to the former Office of the Ombudsman (406 University Centre). The new Human Rights and Advisory Services office will examine ways to streamline the equity complaints process and increase due diligence and education efforts, to ensure good decisions are made around human rights and harassment issues in the first instance, rather than relying heavily on a complaints-driven system.

The establishment of the Office of Fair Practices and Legal Affairs demonstrates the University's continued commitment to providing advocacy, advice and support services to students, faculty and staff. Although the Office of the University Ombudsman closed June 30, there are still many avenues available to obtain advice and assistance. The Human Rights and Equity Advisor will continue to work to prevent discrimination and harassment at the University by promoting, supporting and administering the University's *Respectful Work and Learning Environment Policy*.

- The **IST Help & Solutions Centre** is now located in 123 Fletcher Argue Building. Staff are available to address information technology needs including computer assistance such as password changes, wireless connectivity for portable computing devices and general computer assistance as well as Audio Visual Bookings, Special Event Bookings and Telecom services. The Centre can be reached by phone at 474-8600 or email at support@umanitoba.ca. The web address for computer information is umanitoba.ca/ist

- **High Performance Computing Centre** – The high performance computer purchased through the University's participation in the Westgrid consortium has now been received and is currently being uncrated and installed. Set up is anticipated to be complete by late December.
- **Wise Guys on Campus** - After a number of serious liquor legislation infractions, Wise Guys Bar in University Centre was shut down by the MLCC and their lease has been cancelled by the University as per the legal stipulations of the lease agreement. The space will be used as a catering venue that can be booked through Conference and Catering Services over the next four months as an interim plan before a longer term solution is identified.

- **Domino Project Update**

ART Lab – Piling, shoring, pile caps and excavation are 100% complete. Foundation wall pours, stair cores, elevator cores, weeping tile, underground piping, electronic conduit and waterproofing installations are underway.

Biological Sciences Building – Work is underway with significant interior renovations. Construction of a tunnel connecting the BSB and Fitzgerald Building to the University Centre-Allen Building tunnel is in progress.

New Student Residence – Erection of the steel members for East and West towers is in progress and the steel truss spanning over Pembina Hall connecting both towers has been erected. The crossbeam is the largest piece of structural steel ever erected in Manitoba construction history.

- **Space Shuffle** – The 'mini-domino' shuffle of a number of units and departments including CHERD, UTS, LDS, Equity Services, and Environment and Geography is now complete. The move was very successful and departments are now undergoing minor renovations to their spaces.
- **Stadium Community Meeting** – A community meeting was held in Fort Richmond on August 23 to discuss concerns over the new stadium. Key concerns were traffic congestion and noise. Alan Simms (Associate Vice-President Administration) and Dan Edwards (Creswin) spoke at the event. The University is working with Creswin to coordinate two open house meetings at the end of September on campus for University Heights and Fort Richmond residents.

- **University Centre** - The tiling project in University Centre has been delayed due to the unexpected discovery of poor substrate floor conditions that prevent the tile from bonding properly. In the interim, plywood planks have been secured on the floor and the project will resume during the University closure period in December.
- **205/207 University Centre** – Renovation is underway to convert Rooms 205/207 University Centre into a 55 seat licensed restaurant offering a full-service lunch-time dining experience. A late September launch is planned.
- **Smartpark** – The Smartpark Board of Directors approved plans for the new Eureka Project and the new Event Centre. The tender process is complete and construction must be substantially complete by March 31st, 2011.
- **Duff Roblin Fire Recovery Update** – The insurance claim to date of monies spent or committed between March 29, 2009 and August 25, 2010 totals \$17.6 M. Cost of restoration work to date is \$4.0 M and includes the new sprinkler system, new fire alarm, West side demolition and the new elevator. Re-occupancy of the East side began August 16 for Psychology and Anthropology. Although some administrative staff from Psychology have moved back into Duff a number of staff continue to work out of Chancellor's Hall to accommodate incoming students to minimize foot and elevator traffic while the move is underway. The West side re-occupancy date is still tentatively scheduled for September 2011 and anticipating tendering construction work by late September. All West side contents and equipment have been moved into a long term storage facility offsite. As of September 14th, 22 staff from Biological Sciences have moved into the trailers in B Lot until the West side re-occupancy. The use of temporary teaching labs on the 200 level of the West side of Duff Roblin began September 7th. The Biological Sciences Museum is open for use and viewing.
- **Portage Place Fire** - A fire in the leased premises in Portage Place downtown has displaced some programs offered through Extended Education. It is anticipated that they will be back in the premises by December 2010.
- **St. Paul's College Water Damage** – On August 30 and 31, St. Paul's College suffered significant water and mud damage to Theatre 100, Room 102 east and west. Rain was substantial and pumps that had been put in place by the contractor were unable to keep up with the incoming water from an exposed access tunnel. The College carried property insurance outside of the CURIE policy and is dealing with the contractor's insurance company to resume normal operations as soon as possible.
- **Power Failure** – On Sept. 1 at 10:48 PM the Fort Garry Campus experienced a power failure that impacted Fletcher Argue, Isbister, Tier, Drake, Tache, Mary Speechly and Pembina Hall. The last three buildings to have power restored were Tier, Fletcher Argue and Isbister at 12:00 PM on Friday, September 3.
- **Delta Marsh Field Station** – The Faculty of Science has made the decision to continue funding the operation of the DMFS at a reduced level of activity and funding. Because a large number of buildings are unsafe, consultant Ian Shaw is working with the Faculty to identify buildings to be demolished and to also identify a reduced budget business plan for the station moving forward.
- **Reorganization of Security Services** - Proper implementation of the new provincially mandated Security Guard Act is underway which includes all staff working in a 'security' capacity (with the

exception of special constables). The Act involves ensuring that the University is licensed as a formal Security Guard Employer and also involves training, screening and licensing processes for all security guard staff working for Residence Life and University Centre. Because the administrative process is ongoing and complex, the management of it will now be housed in Security Services which will coordinate and implement all security guard functions across campus and may also include the Bannatyne Campus. This 'merger' will ensure centralization and standardization of processes and will help prevent possible infractions.

- **Residences** - Occupancy for residences are full with a waiting list of 74 as of August 31. The number of double room offerings and acceptances continues to increase due to a housing shortage both on campus and off. Food services for residence students will be provided in the University Centre Multi-Purpose Room until December 2010, at which time it will be moved back into Pembina Hall. The erection of steel over Pembina Hall caused the closure until the end of the year.
- **Orientation** – Orientation was held on the Pedway for the first time as an alternative to the Quadrangle and the east entrance of University Centre.
- **UMSAFE Training** – On August 31 and September 1 the U of M Student Alcohol Function Education (UMSAFE) training was given to approximately 100 participants including student groups and council members involved with presenting licensed events. This year saw the inclusion to the program of a Student Event Risk Management (SERM) segment which was facilitated by Dr. Ian McGregor of McGregor and Associates. Dr. McGregor's participation was funded by our insurers, the Canadian Universities Reciprocal Insurance Exchange (CURIE).
- **Tree Lighting strategy** - In an effort to create a more lively and illuminated campus throughout the winter a tree lighting strategy is in place to hang lights in trees on the quadrangle and the Pedway.
- **AESES Security** - After AESES Security was locked out on Friday, August 20-24 (without incident), a new 3 year collective agreement was ratified by the members and they were back to work on Wednesday, August 25. The agreement provides no salary increase in 2010 and no salary increase in 2011, and the same salary increase for 2009 as was given to all other University staff.
- **CIO search** - The search is ongoing for the Chief Information Officer to replace Gerry Miller, Executive Director of Information Services and Technology. Interviews are expected to take place late September.
- **Recycling** – A new and expanded recycling program will be launched in November 2010 under Physical Plant supervision. The new program will include classroom and conference rooms, special event recycling, outdoor recycling and an emphasis on hosting zero-waste events. The beverage container recycling program will no longer be supervised and operated by UMREG.
- **U of M Buildings win Prairie Design Awards** - Three University of Manitoba projects have won 2010 Prairie Design Awards administered by the Manitoba, Saskatchewan and Alberta Architects Association. An Award of Excellence went to Cibinil Architects for the RTDS Building at 150 Innovation Drive in Smart Park. Awards of Merit were awarded to Cibinel Architects for the Apotex Centre and to LM Architectural Group for the John A. Russell Building exterior envelope replacement.

- **Staff Golf Tournament** – The 10th Annual all staff golf tournament was held on August 23, 2010. The event was the largest to date and over \$2,000 was raised for the food bank.
- **Homecoming Fun Run** – A 5K fun run is being hosted jointly by Recreation Services and the Alumni Association on Saturday, September 25 at 10:00 AM. The route will include volunteers giving short presentation at various sites to highlight the projects underway on campus.

EXTERNAL MATTERS

- **China Trade Mission:** John Kearsy, Vice-President (External) and John Alho, Associate Vice-President (External) travelled to China as part of the Premier's Mission. Advancement Services arranged meetings with donors and graduates in Beijing and Shanghai for John Alho and Dr. David Stangeland, Associate Dean of the IH Asper School of Business. They travelled to Beijing, Shanghai and Hong Kong in mid September 2010. Several graduates in each city were invited to receptions hosted by the Consuls General.

The Alumni Association of the University of Manitoba in Hong Kong is organized a reception there on September 18, 2010 at the Marco Polo Hong Kong Hotel. The event coincided with a delegation led by Premier Greg Selinger, who attended and brought greetings at the reception. Also in attendance were Lieutenant Governor Philip Lee, President and Vice-Chancellor David Barnard and John Kearsy, Vice-President (External). Rita Mui, president of the local association, chaired the event. Over 1500 invitations were sent out.

- **Community Report:** Public Affairs created an online community report in conjunction with having a prominent presence in the Thursday, September 23rd edition of the *Winnipeg Free Press*. All ads in the *Winnipeg Free Press* will link back to the online edition of the community report. (<http://ayearofmore.ca/>)

- **Event Updates**

The Joe Doupe Memorial Lecture and Celebration of the B.Sc. Med. Program was scheduled for Wednesday, September 8 from noon to 1:00PM in the Frederic Gaspard Theatre, Basic Medical Sciences Bldg. This year, the Faculty of Medicine welcomed Gregory Downey (B.Sc. Med./80, MD/80, FRCPC) who gave the lecture: "If it is so Easy to Mend a Broken Heart, why is it so Difficult to Heal the Injured Lung?" This annual lecture recognizes and honours Dr. Joseph Doupe's legacy within the University of Manitoba Faculty of Medicine and spirit of enquiry he instilled in his medical students.

The Government Relations Office hosted eight senior public servants from Ottawa who were part of the Advanced Leadership Program on September 20, 2010. The program included meetings with Aboriginal students and administrators, several members of the Arctic Research Team, and industry representatives from Smartpark.

Homecoming week was held from September 22 to 26th. During Homecoming week 51 of the 65 reunions planned took place.

On Thursday, September 30, the School of Medical Rehabilitation will hold an announcement of the establishment of the Professorship in Spine Biomechanics and Human Neurophysiology, funded by the Canadian Chiropractic Research Foundation.



AGENDA ITEM: Proposal for a Bachelor of Science (Major) and a Major Co-op Genetics

RECOMMENDED RESOLUTION:

THAT the Board of Governors approve the proposal for a Bachelor of Science (Major) and a Major Co-op in Genetics [as recommended by Senate September 8, 2010].

Action Requested: Approval Discussion/Advice Information

CONTEXT AND BACKGROUND:

All new programs require approval of the Board of Governors prior to being submitted to the Council on Post-Secondary Education (COPSE).

The Faculty of Science currently offers a B.Sc. (Honours) degree in Genetics. Studying for an honours degree requires students to be enrolled on a full time basis only. In addition, an honours program requires a high level of academic achievement to continue in the program. The proposed major would enable students to pursue this subject on a part time basis and will also enable students who do not meet the academic standards of an honours program the option of continuing to pursue a degree in genetics at the major level. Students currently in this latter situation must transfer to a major program in another department often resulting in adding additional year(s) to their studies.

RESOURCE REQUIREMENTS:

There are no new resources required to implement this program. The program would use existing instructional resources including instructors, computers and other laboratory equipment to deliver the program.

IMPLICATIONS:

This proposal will provide undergraduate students with more options to study in the genetics field.

CONSULTATION:

This proposal is forwarded to the Board of Governors by Senate after consideration by the Faculty of Science, SCCCC, and Senate Executive.



Board of Governors Submission

Routing to the Board of Governors:

<u>Reviewed</u>	<u>Recommended</u>	<u>By</u>	<u>Date</u>
x	x	Senate Committee on Curriculum and Course Changes	March 17, 2010
x	x	Senate Executive	August 25, 2010
x	x	Senate	September 8, 2010

Submission prepared by: Senate

Submission approved by: University Secretary.

Attachments

- Report of the Senate Committee on Curriculum and Course Changes [dated March 17, 2010]
- Program Proposal

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

	<u>Credit hours</u>
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 ZOO 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 ZOO 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 (ZOO 2280, ZOO 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
Kalajdziewska, 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
Therriault, 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.



AGENDA ITEM: Report of the Senate Committee on Awards [dated May 10, 2010]

RECOMMENDED RESOLUTION:

THAT the Board of Governors approve sixteen new offers and eighteen amended offers, as set out in Appendix A of the Report of the Senate Committee on Awards [dated May 10, 2010].

Action Requested: Approval Discussion/Advice Information

CONTEXT AND BACKGROUND:

At its meeting of May 10, 2010, the Senate Committee on Awards approved sixteen new offers and eighteen amended offers as set out in Appendix A of Report of the Senate Committee on Awards [dated May 10, 2010].

RESOURCE REQUIREMENTS:

Awards will be funded from the various sources of funding identified within the Report.

IMPLICATIONS:

N/A

ALTERNATIVES:

N/A

CONSULTATION: *[delete if not applicable]*

All of these award decisions meet the published guidelines for awards as approved by Senate and were reported to Senate for information on June 23, 2010.



Board of Governors Submission

Routing to the Board of Governors:

<u>Reviewed</u>	<u>Recommended</u>	<u>By</u>	<u>Date</u>
X	X	Senate Committee on Awards	May 10, 2010
X	X	Senate Executive	June 9, 2010
X	X	Senate	June 23, 2010
<input type="checkbox"/>	<input type="checkbox"/>		
<input type="checkbox"/>	<input type="checkbox"/>		
		Senate	

Submission prepared by:

Submission approved by: University Secretary

Attachments

- Report of the Senate Committee on Awards [May 10, 2010]

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 Awards*, such offers shall be submitted to Senate for approval. (Senate, October 7, 2009)

Observations

At its meeting of May 10, 2010, the Senate Committee on Awards approved sixteen new offers and eighteen amended offers, as set out in Appendix A of the *Report of the Senate Committee on Awards – Part A* (dated May 10, 2010).

Recommendations

On behalf of Senate, the Senate Committee on Awards recommends that the Board of Governors approve sixteen new offers and eighteen amended offers, as set out in Appendix A of the *Report of the Senate Committee on Awards – Part A* (dated May 10, 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
May 10, 2010

I. NEW OFFERS

Canadian Bio-Systems Inc. Graduate Scholarship

Canadian Bio-Systems Inc. provides \$5,000 annually to the University of Manitoba, to offer a scholarship for graduate students in the Department of Animal Science. The purpose of the award is to encourage qualified graduates of faculties other than the Faculty of Agricultural and Food Sciences, to explore the excellent career opportunities available in the area of animal nutrition. One scholarship will be offered to a graduate student who:

- (1) is a Canadian citizen or permanent resident;
- (2) has completed an undergraduate degree in a faculty other than the Faculty of Agricultural and Food Sciences (or equivalent);
- (3) is enrolled full-time in the Faculty of Graduate Studies, in the first year of the M.Sc. or Ph.D. in Animal Science;
- (4) has achieved a minimum degree grade point average of 3.5 (or equivalent) based on the last 60 credit hours;
- (5) has proposed to undertake thesis research in the area of nutritional biochemistry.

If, in any given year there is no qualified candidate who holds an undergraduate degree from a faculty other than Agricultural and Food Sciences (or equivalent), the Scholarship may be offered to another qualified candidate who meets criteria (1) and criteria (3) through (5).

Candidates will be required to submit an application that will consist of: (a) a description of their proposed research project (maximum 500 words), (b) a curriculum vitae, and (c) a current academic transcript(s).

The Canadian Bio-Systems Inc. Graduate Scholarship is to be offered in addition to the Department of Animal Science's minimum suggested level of graduate support for an M.Sc. or Ph.D. student, as appropriate.

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

Consulate General of the Republic of Poland Prize for Polish Studies

The Consulate General of the Republic of Poland has established a prize for Polish Studies at the University of Manitoba. The purpose of the prize is to encourage and support students in continuing their study of Polish language and culture. One prize valued at \$1,000 will be offered annually to an undergraduate student who:

- (1) has successfully completed any two of the following courses: *Introductory Polish* (currently numbered POL 1890), *Intermediate Polish* (currently numbered POL 2890), *Advanced Polish* (currently numbered POL 3890), *Polish Civilization* (POL 2530), *Polish Language and Culture* (POL 2690);
- (2) has achieved a minimum degree grade point average of 3.0;

- (3) has demonstrated an interest in the study of Polish language and culture through the submission of a 500-word statement outlining their reasons for pursuing studies in Polish language and culture.

The selection committee will be named by the Head of the Department of German and Slavic Studies and will include two faculty members in the Department, one of whom must be an instructor of Polish courses, and one representative of the Canadian Polish Congress (or designate).

Faculty of Medicine Student Accessibility Bursary

The Faculty of Medicine has established an endowment fund at the University of Manitoba, with an objective to provide bursary assistance to students enrolled in the Undergraduate Medical Education Program. The Faculty of Medicine Student Accessibility Bursary is supported by contributions from the Faculty of Medicine, members of the faculty, students, alumni, and friends of the Faculty. The available annual interest from the fund will be used to offer one or more bursaries to students who:

- (1) are enrolled full-time in the Undergraduate Medical Education Program in the Faculty of Medicine and are in good standing;
- (2) 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 and the level of financial need demonstrated by bursary candidates.

The selection committee will be named by the Dean of the Faculty of Medicine (or designate) and will ordinarily be chaired by the Assistant Dean Student Affairs.

Marianne Galpin and Bill Stevenson Bursary

In memory of his wife Marianne Galpin, Bill Stevenson has established an endowment fund at the University of Manitoba. 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 bursary to a student who:

- (1) is enrolled full time in the Marcel A. Desautels Faculty of Music;
- (2) (i) as an entering student, has achieved a minimum 70% (or equivalent) on those high school courses considered for admission, or (ii) as a continuing student, has achieved a minimum degree grade point average of 2.5;
- (3) has demonstrated financial need on the standard University of Manitoba bursary application form.

The selection committee will be the Scholarship and Awards Committee of the Marcel A. Desautels Faculty of Music.

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.

Peter Gosman Memorial Scholarship in Marketing

Through a generous donation from CN Rail, a scholarship fund has been established at the University of Manitoba in memory of Mr. Peter Gosman. The Manitoba Scholarship and Bursary Initiative has made a contribution to this fund. The available annual income from this fund will support a scholarship which will be offered to a student who:

- (1) is enrolled as a full-time student in the I.H. Asper School of Business at the University of Manitoba, specifically in the Marketing major;
- (2) has achieved a minimum degree grade point average of 3.5;
- (3) has demonstrated leadership skills and abilities, either within the University community or outside the University community.

Preference in selection shall be given to students who either are CN Rail employees or who are a son, daughter, or spouse of a CN Rail employee. Applicants for the scholarship will be required to submit: a) a brief statement (maximum 250 words) of their extracurricular involvement and leadership skill and abilities, and b) proof that the student is an employee of, or the dependent or the spouse of, an employee of CN Rail, if appropriate. The application will be submitted to the I.H. Asper School of Business each year on or before the designated deadline date.

The selection committee shall be named by the Dean of the I.H. Asper School of Business.

Dr. Lane Graham Honours Thesis Prize for Biological Sciences

Upon the occasion of his retirement, Dr. Lane Graham has established an endowment fund at the University of Manitoba, with additional gifts from colleagues and friends. The purpose of the fund is to offer a prize to the student who submits the top Honours thesis in the Department of Biological Sciences. The available annual interest from the fund will be used to offer the prize to a graduating student who:

- (1) has successfully completed the requirements for the Bachelor of Science (Honours) degree, in any theme of study offered by the Department of Biological Sciences;
- (2) has achieved a minimum degree grade point average of 3.5;
- (3) has submitted the top Honours thesis, as determined by the selection committee, with a minimum grade of 4.5.

The selection committee will be the Honours Committee of the Department of Biological 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.

Emil and Lynette Hain Scholarship for Oncology Research

Mr. Emil Hain (B.Sc.(C.E.)/59) and Mrs. Lynette Hain have established an endowment fund at the University of Manitoba, with an initial gift of \$25,000 in 2010. The purpose of the award is to support students undertaking oncology research. The available annual income from the fund will be used to offer one scholarship to a student who:

- (1) is enrolled full-time in either the (i) Faculty of Graduate Studies in a Masters or Doctoral program delivered by a department in the Faculty of Medicine or (ii) Postgraduate Medical Education Program, in the Faculty of Medicine, either as a resident or a fellow;

(2) has demonstrated excellence in the area of oncology research.

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

Graduate student recipients may hold the Emil and Lynette Hain Graduate Scholarship for Oncology Research with any other awards, consistent with policies in the Faculty of Graduate Studies. Postgraduate residents or fellows may hold the Scholarship with any other award.

The Dean of the Faculty of Medicine (or designate) and the Dean of the Faculty of Graduate Studies (or designate) will jointly name the selection committee and any graduate student recipients named to receive the scholarship under category (1)(ii) above will be reported through the Dean of the Faculty of Graduate Studies.

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

Dr. Alan H. Lipson Memorial Award in Medicine

In memory of Alan Harvey Lipson (M.D./81), his wife, Avis Raber, and his sons, Mark, Daniel, Jonathan, and Benjamin Lipson have established an annual prize for students in the Faculty of Medicine at the University of Manitoba. The Jewish Foundation of Manitoba, which stewards the capital used to generate the annual amount for the award, will confirm the award value with Financial Aid and Awards at the University on an annual basis. One prize will be offered to an undergraduate student who:

- (1) has completed the second or third year of study in the Undergraduate Medical Education Program and is in good academic standing;
- (2) has demonstrated participation and leadership through volunteer and extracurricular activities, either in the Faculty of Medicine or the community at large.

Preference may be given to candidates who have taken a leadership role in an administrative capacity.

Candidates will be required to submit an application that will consist of: (a) a statement (maximum 500 words) describing their volunteer activities and demonstrated leadership abilities, (b) a minimum of one up to a maximum of two letters of reference (maximum 500 words each). The letters of support should address the candidate's leadership abilities and volunteer activities.

A student may hold only one Dr. Alan H. Lipson Memorial Award in Medicine in his or her lifetime.

The status of the investment at the Jewish Foundation of Manitoba will be reviewed from time to time and, if the earnings on the fund permit, the number of awards may be increased to two or more.

The selection committee will be named by the Dean of the Faculty of Medicine (or designate) and will include at least one, and at most two of Dr. Alan Lipson's immediate family members or heirs (designate(s) to be named by the family, and who may change from time to time). If there is no heir (or designate) the selection committee shall proceed to distribute the award. Lack of an heir (or designate) shall never prevent the distribution of this award.

Mildred I. Lucky Scholarship in Nursing

Ms. Mildred I. Lucky has established an endowment fund at the University of Manitoba to provide a scholarship for Nursing students. The Manitoba Scholarship and Bursary Initiative has made a

contribution to the fund. The available annual income from the fund will be used to offer one scholarship to an undergraduate student who:

- (1) has completed the second year of full-time study in the Baccalaureate Nursing Program;
- (2) has achieved high standing, with a minimum degree grade point average of 3.5;
- (3) in the next ensuing academic session, is enrolled full-time in the third year of the Baccalaureate Nursing Program.

The selection committee shall be the Student Promotions and Awards Committee of the Faculty of Nursing.

Medicine Class of 1968 Bursary

The Medicine Class of 1968 has established an endowment fund at the University of Manitoba, which will be used to offer bursaries to undergraduate students in the Faculty of Medicine. The available annual income from the fund will be used to offer one or more bursaries to students who:

- (1) are enrolled full-time in any year of study in the Undergraduate Medical Education Program in the Faculty of Medicine and are in good standing;
- (2) have demonstrated financial need on the standard University of Manitoba bursary application form.

Preference may be given to students who have completed at least one year of the B.Sc.(Med.) program.

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

The selection committee for this award will be named by the Dean of the Faculty of Medicine (or designate).

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

Elsie C. Nesbitt Award

Mrs. Elsie C. Nesbitt (B.F.A./70) has bequeathed \$1,000 to the University of Manitoba. The gift will be used to offer a one-time scholarship to a student entering the first intake of the Master of Fine Arts program, in the 2010 – 2011 academic session. The scholarship, valued at \$1,000, will be offered to a student who:

- (1) is enrolled full-time in the Faculty of Graduate Studies, in the first year of the Master of Fine Arts;
- (2) has achieved a minimum degree grade point average of 3.5 (or equivalent) based on the last 60 credit hours of study;
- (3) is returning to post-secondary studies in order to pursue fine arts as his or her second career and possesses the qualities of commitment and determination exemplified by the Award's benefactor, Mrs. Elsie C. Nesbitt;
- (4) from among those candidates who meet criteria (1) through (3), has been ranked highest on his or her application for admission to the Master of Fine Arts program.

The Dean of the Faculty of Graduate Studies (or designate) will ask the Director of the School of Art (or designate) to name the selection committee.

Douglas Rennie Graduate Scholarship

In honour of Dr. Douglas Rennie, upon the occasion of his retirement, colleagues and friends established a fund at the University of Manitoba in 1996. The available annual income from the fund will be used to offer either the Douglas Rennie Graduate Scholarship or the Douglas Rennie Undergraduate Prize (Award #00000). In any year that the undergraduate prize is not offered, one scholarship will be offered to a graduate student who:

- (1) is enrolled full-time in the Faculty of Graduate Studies, in the pre-Master's, M.A., or Ph.D. in Sociology;
- (2) has achieved a minimum degree grade point average of 3.5 (or equivalent) based on the last 60 credit hours;
- (3) has demonstrated exceptional academic and research skills at either the undergraduate or graduate level, as determined by the selection committee.

If in any given year there is no suitable candidate for either the Douglas Rennie Graduate Scholarship or the Douglas Rennie Undergraduate Prize, no award will be offered and the interest will be capitalized.

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

Douglas Rennie Undergraduate Prize

In honour of Dr. Douglas Rennie, upon the occasion of his retirement, colleagues and friends established a fund at the University of Manitoba in 1996. The available annual income from the fund will be used to offer either the Douglas Rennie Graduate Scholarship (Award #00000) or the Douglas Rennie Undergraduate Prize. In any year that the graduate scholarship is not offered, one prize will be offered to an undergraduate student who:

- (1) has successfully completed the requirements for the Bachelor of Arts (Honours) in Sociology;
- (2) has achieved a minimum degree grade point average of 3.5;
- (3) has prepared an outstanding honours thesis, as determined by the selection committee.

If in any given year there is no suitable candidate for either the Douglas Rennie Graduate Scholarship or the Douglas Rennie Undergraduate Prize, no award will be offered and the interest will be capitalized.

The selection committee will be the Graduate Committee of the Department of Sociology.

Konrad Gordon Sigurdson Graduate Award

In memory of her dear friend, Konrad Gordon Sigurdson (B.A./66), Katherine Shotton has established an endowment fund at the University of Manitoba, with an initial gift of \$10,000 in 2010. The purpose of the fund is to provide scholarship support for students of Icelandic language and literature. It will be used to offer the Konrad Gordon Sigurdson Graduate Award and, in years where there is no qualified graduate candidate, the Konrad Gordon Sigurdson Undergraduate Award (Award #00000).

The available annual interest from the fund will be used to offer one scholarship to a graduate student who:

- (1) is enrolled full-time in the Faculty of Graduate Studies, in the M.A. in Icelandic;
- (2) has achieved a minimum degree grade point average of 3.5 (or equivalent) based on the last 60 credit hours;
- (3) is undertaking or has proposed to undertake thesis research pertaining to the history and /or culture of the Icelandic community in Canada.

Candidates must apply in writing indicating their suitability for the award.

The Dean of the Faculty of Graduate Studies (or designate) will ask the Head of the Department of Icelandic Language and Literature (or designate) to name the selection committee for this award.

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

Konrad Gordon Sigurdson Undergraduate Award

In memory of her dear friend, Konrad Gordon Sigurdson (B.A./66), Katherine Shotton has established an endowment fund at the University of Manitoba, with an initial gift of \$10,000 in 2010. The purpose of the fund is to provide scholarship support for students of Icelandic language and literature. The fund will be used to offer the Konrad Gordon Sigurdson Graduate Award (Award # 00000) or, in years where there is no qualified graduate candidate, the Konrad Gordon Sigurdson Undergraduate Award. The available annual interest from the fund will be used to offer one scholarship to an undergraduate student who:

- (1) is enrolled full-time in the Faculty of Arts, in either the Major or Honours program in Icelandic;
- (2) has achieved a minimum degree grade point average of 3.5;
- (3) has submitted the best essay in one of the following courses: *Contemporary Icelandic-Canadian Literature* (ICEL 2230), *Poetics of Immigration in Icelandic-Canadian Literature* (ICEL 2420), or *Translation of Cultures in Icelandic-Canadian Literature* (ICEL 2430).

Instructors for ICEL 2230, ICEL 2420, and ICEL 2430 will each nominate the student, in his or her course, who has prepared the best paper in the academic session immediately preceding that in which the award is tenable. Instructors must forward the name of the nominee, together with a copy of the student's paper, to the selection committee.

The selection committee will be named by the Head of the Department of Icelandic Language and Literature (or designate).

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

Mark Sobering Memorial Award

In memory of Mark Sobering (LL.B./06), friends and family have established an endowment fund at the University of Manitoba, in 2010, with an initial gift of \$18,770. The fund will be used to offer bursaries for students in the Faculty of Law. The donors have made an additional gift of \$882, which will be used to offer the initial bursary in the 2010-2011 academic session. In subsequent years, the

available annual interest from the fund will be used to offer one bursary to an undergraduate student who:

- (1) has completed the second year of the Bachelor of Laws program;
- (2) in the next ensuing academic session is enrolled full-time in the third year of the Bachelor of Laws program;
- (3) has achieved a minimum degree grade point average of 2.0;
- (4) has demonstrated an interest in Criminal Law;
- (5) has shown evidence of extra-curricular involvement outside of academics;
- (6) has demonstrated financial need on the standard University of Manitoba bursary application form.

The selection committee will be the Faculty of Law 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

BDO Dunwoody LLP Prize for Intermediate Accounting - Equities

The name of the BDO Dunwoody LLP Prize for Intermediate Accounting – Equities has been changed to: BDO Canada LLP Prize for Intermediate Accounting - Equities. Two references to the name of the donor have also been updated in the terms of reference.

Botany Department Prizes

Terms of reference for the Botany Department Prize have been amended, to reflect administrative and curriculum changes that followed from the amalgamation of the Departments of Botany and Zoology several years ago, to create the Department of Biological Sciences.

- The name of the award has been changed to: Biological Sciences Department Prizes.
- The revised terms indicate that the award is offered by the Department of Biological Sciences, rather than the Department of Botany.
- Two prizes are offered each year to students who have achieved high standing in an Honours or Major program in Biological Sciences, rather than Botany; one to a student who has completed the third year and one to a student who has completed the fourth year.
- The selection committee will be named by the Head of the Department of Biological Sciences (or designate). Previously, the committee was named by the Head, Department of Botany.

Maxwell Cohen Family Award

A number of amendments have been made to the terms of reference for the Maxwell Cohen Family Award, which was formerly offered to the second or third year student who achieved highest standing in the course International Law (LAW 3740).

- The name of the award has been amended to: Dean Maxwell Cohen and Family Award.

- The value of the prize has been changed from: \$150 to: the available annual interest from the fund.
- The prize will now be offered to a third year student in the Faculty of Law who has excelled in International Law (LAW 3740) and at least one other of the following: Human Rights Law (LAW 3980, T07, CRN 15562), International Trade Law (LAW 3980, T02, CRN 22411), International Internships or Exchange Opportunities (LAW 0000), or such other related courses as may be included in the curriculum in the future.
- A number of editorial changes have been made.

Karen Hudson (Kowbel) Memorial Physiotherapy Award

The terms of reference for the Karen Hudson (Kowbel) Memorial Physiotherapy Award have been amended in order to convert the award from a bursary to a scholarship.

- The scholarship will be offered to a student who is enrolled full-time in the third year of the Bachelor of Medical Rehabilitation (Physical Therapy) program. Previously, the bursary was open to students in any year of the program.
- A requirement that the recipient has achieved the highest average in the Objective Structured Clinical Examinations (OSCE) for PT 2760 - *Orthopaedic Assessment and Management 1* and PT 2770 - *Orthopaedic Assessment and Management 2*, from among those students who meet other criteria for the scholarship, has been retained.
- In criterion (3), 'cumulative degree grade point average' has been replaced with 'degree grade point average.'
- A requirement that candidates have demonstrated financial need has been deleted.
- A number of editorial changes have been made.

Brad Jonk Award

The following amendments have been made to the terms of reference for the Brad Jonk Award.

- A monetary prize of \$300 will now be offered annually, in addition to the plaque that has been presented in past years.
- The course name and number for Farm Business Planning Project (65.062) have been updated to Management Planning Project 2, DAGR 0690.
- A number of editorial changes have been made.

Winston Leathers Award

Several amendments have been made to the terms of reference for the Winston Leathers Award, which is offered to students in Year 3 of a Bachelor of Environmental Design program.

- In criterion (2), City Planning has been deleted as an eligible Option and the Landscape Architecture Option has been updated to Landscape and Urbanism.
- In criterion (3), 'cumulative degree grade point average' has been replaced with 'degree grade point average.'
- A number of editorial changes have been made.

Graham C. Lount Family Foundation Bursary

The following amendments were made terms of reference for the Graham C. Lount Family Foundation Bursary.

- The pool of eligible undergraduate students has been expanded to include students in Years 3 and 4 of any Option within the Bachelor of Environmental Design program. Formerly, eligible undergraduate candidates were limited to students in Year 3 of the B.Env.D. (Architecture Option). Master of Architecture students will continue to be eligible for the Bursary but students in the pre-Master's Qualifying program will not, as the program has been closed.
- In criterion (3), two references to 'cumulative degree grade point average' have been updated to 'degree grade point average.' The revisions clarify that graduate students' degree gpa will be calculated based on the last 60 credit hours.
- A statement describing the donor's preference that the available funds be used to disburse ten bursaries of \$5,000 each among students in the different programs and years of study has been amended following changes to the pool of eligible candidates, as described above.
- A number of editorial changes have been made.

Manitoba Egg Producers Bursary

The name the Manitoba Egg Producers Bursary has been amended to: Manitoba Egg Farmers Bursary. In criterion (2), 'cumulative degree grade point average' has been updated to 'degree grade point average.'

Manitoba Egg Producers Scholarships

A number of amendments have been made to the terms of reference for the Manitoba Egg Producers Scholarships.

- The name of the award has been amended to: Manitoba Egg Farmers Scholarships.
- Course names and numbers have been updated, as follows:
 - from: Poultry Production (35:070) to: Poultry Production and Management (ANSC 0700)
 - from: Animal Biology and Nutrition (35:042) to: Animal Biology and Nutrition (ANSC 0420)
 - from: Avian Production 35:455 to: Avian Production Systems (ANSC 4550)
 - from: Food Chemistry (78:250) to: Food Chemistry (FOOD 2500)
 - from: Food Processing (78:301) to: Food Process 1 (FOOD 3010)
 - from: Engineering Fundamentals (34:353) to: Food Engineering Fundamentals (BIOE 3530)
- A number of editorial changes have been made.

Leon Provancher Prize in Systematic Zoology

Terms of reference for the Leon Provancher Prize in Systematic Zoology have been amended, to reflect administrative and curriculum changes that followed from the amalgamation of the

Departments of Botany and Zoology several years ago, to create the Department of Biological Sciences.

- The pool of candidates has been changed to undergraduate or pre-Master's students in the Department of Biological Sciences. Formerly, the award was open to students at the same levels of study in Zoology.
- The prize will continue to be offered to a student who prepares an outstanding zoological collection, undertakes a research project of merit pertaining to systematic zoology, or has been nominated for an outstanding performance on a suitable course assignment from any systematic zoology or animal taxonomy related course.
- The selection committee will be named by the Head of the Department of Biological Sciences (or designate). Previously, the committee was named by the Head of the Department of Zoology.
- A number of editorial changes have been made.

Marion Saydak Memorial Scholarship

The following amendments have been made to the terms of reference for the Marion Saydak Memorial Scholarship, which is open to students in the Master of Nursing Program.

- Criterion (1) has been amended to open the award to full-time students. Part-time students will continue to be eligible.
- In criterion (4), 'cumulative degree grade point average' has been updated to 'degree grade point average.'
- Criterion (5) has been amended to clarify that candidates must demonstrate a research/clinical/educational interest in one or both of the health of cancer patients and in follow-up support systems for family members. Previously, the terms required that candidates have demonstrated interest in both of these areas.
- The application deadline and the date by which a recipient must be selected have been deleted.

Peter and Dorothy Saydak Memorial Scholarship

The following amendments have been made to the terms of reference for the Peter and Dorothy Saydak Memorial Scholarship, which is open to students in the Master of Nursing Program.

- Criterion (1) opens the award to full-time students. Part-time students will continue to be eligible.
- The application deadline has been deleted.
- A number of editorial changes have been made.

William E. Sheets Scholarship and Bursary in Architecture

Several amendments have been made to the terms of reference for the William E. Sheets Scholarship and Bursary in Architecture.

- The pool of undergraduate candidates for the Bursary will be restricted to students in the final year (Year 4) of the Bachelor of Environmental Design (Architecture Option). Formerly,

undergraduate students in any year of the this program and options were eligible. The Bursary remains open to students in any year of the Master of Architecture program.

- A number of editorial changes have been made.

Sociology Graduate Student Entrance Scholarship

The following amendments have been made to the terms of reference for the Sociology Graduate Student Entrance Scholarship, which is open to students in the first year of either a Master's or PhD program offered through the Department of Sociology.

- The first paragraph now indicates that the endowment fund supporting the Scholarship was established by faculty and alumni of the Department of Sociology.
- The award value has been changed from: one scholarship of \$2,000 to: one or more scholarships. The selection committee will have the discretion to determine the number and value of awards offered each year based on the available revenue from the endowment fund.
- Given the change to the number and value of awards, the award can no longer be limited to the candidate with the highest degree grade point average. Criterion (3) has been amended to set a minimum required degree grade point average of 3.5 (or equivalent) based on the last 60 credit hours.
- In addition, candidates will now be required to have demonstrated strong potential in their proposed areas of thesis research, as judged by the selection committee.
- The description of the selection committee has been amended to reflect the role that the Faculty of Graduate Studies has in administering the University's graduate awards program.
- A number of editorial changes have been made.

Speechly/Tache Residents' Bursary Fund

The terms of reference for the Speechly/Tache Residents' Bursary Funds, which is used to provide bursaries to students who might otherwise be forced to leave residence for financial reasons, have been amended as follows.

- The name of the award has been changed to: Housing and Student Life Residence Bursary.
- The pool of candidates has been broadened from: residents of Speechly/Tache to: residents of any University of Manitoba residence.
- Applicants for the bursary must be referred by the Director or the Assistant Director of Housing and Student Life. Previously, the terms stated that applicants would most often be referred by the Office of Housing and Student Life or Speechly/Tache Residence.
- A statement that the fund is not to be capitalized but shall be held available for disbursement at any time has been deleted, as the capital funds have been invested in a specific trust within the University Investment Trust. The following statement has been added: 'The capital in the trust fund established for the Bursary will be available for spending.'
- A number of editorial changes have been made.

Ronald K. Stewart – Hay Memorial Bursary

Terms of reference for the Ronald K. Stewart – Hay Memorial Bursary have been amended, to reflect administrative and curriculum changes that followed from the amalgamation of the Departments of Botany and Zoology several years ago, to create the Department of Biological Sciences.

- The value of the award has been changed from: one bursary valued at \$300 to: one or more bursaries. The selection committee will have the discretion to determine the number and value of bursaries offered each year based on the available annual revenue from the fund.
- The pool of candidates has been amended from: students in the fourth year of the B.Sc.(Hons.) in Zoology to: students in the fourth year of the B.Sc.(Hons.) in Biological Sciences.
- In criterion (3), 'high standing' is now defined as a minimum degree grade point average of 3.0.
- Criterion (4) has been added to make explicit that candidates for the bursary must have demonstrated financial need on the standard University of Manitoba Bursary application form.
- The selection committee will be named by the Head of the Department of Biological Sciences (or designate). Previously, the committee was named by the Head, Department of Zoology.
- A number of editorial changes have been made.

University Gold Medal in Fine Art

The terms of reference for the University Gold Medal in Fine Art and the various Program Medals have been amended to indicate that the School accepts transfer courses and the grades obtained in these courses in consideration of the medals.

H.E. Welch Award of Excellence in Zoology

Terms of reference for the H.E. Welch Award of Excellence in Zoology have been amended, to reflect administrative and curriculum changes that followed from the amalgamation of the Departments of Botany and Zoology several years ago, to create the Department of Biological Sciences.

- The name of the award has been changed to: H.E. Welch Award of Excellence in Biological Sciences.
- The terms have been updated to reflect that the value of the prize is set at the available annual income from the fund.
- The prize will be offered to the student who has completed the requirements for a B.Sc.(Honours) or B.Sc.(Major) in Biological Sciences and has achieved highest standing in Biological Sciences core courses. The prize was formerly offered to graduates of a B.Sc.(Honours) or B.Sc.(Major) in Zoology or Ecology, who had achieved highest standing in Zoology core courses.
- The selection committee will be named by the Head of the Department of Biological Sciences (or designate).
- A number of editorial changes have been made.



AGENDA ITEM: Report of the Senate Committee on Awards – Part B [dated May 10, 2010]

RECOMMENDED RESOLUTION:

THAT the Board of Governors approve the Report of the Senate Committee on Awards – Part B [dated May 10, 2010].

Action Requested: Approval Discussion/Advice Information

CONTEXT AND BACKGROUND:

At its meeting on May 10, 2010, the Senate Committee on Awards reviewed one amended offer that appears to be discriminatory according to the policy on the Non-Acceptance of Discriminatory Awards.

Letters of support for the *NFL/Budweiser Recreation Services Aboriginal Student Development Award* were received from Dean Watkinson, Faculty of Kinesiology and Recreation Management and Ms. Kali Storm, Director Aboriginal Student Centre.

RESOURCE REQUIREMENTS:

There are no changes to the funding arrangements for this award.

IMPLICATIONS:

The proposed modifications to the terms for the *NFL/Budweiser Recreation Services Aboriginal Student Development Award* will serve to increase the number of Aboriginal students in the Faculty of Kinesiology and Recreation Management that are eligible for the award.

ALTERNATIVES:

N/A

CONSULTATION: *[delete if not applicable]*

The amendments to this award was approved by Senate on June 23, 2010.



Board of Governors Submission

Routing to the Board of Governors:

<u>Reviewed</u>	<u>Recommended</u>	<u>By</u>	<u>Date</u>
x	x	Senate Committee on Awards	May 10, 2010
x	x	Senate Executive	June 9, 2010
x	x	Senate	June 23, 2010
<input type="checkbox"/>	<input type="checkbox"/>		
<input type="checkbox"/>	<input type="checkbox"/>		

Senate

Submission prepared by:

Submission approved by:

University Secretary

Attachments

- Report of the Senate Committee on Awards – Part B [May 10, 2010]

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 Awards*, such offers shall be submitted to Senate for approval. (Senate, October 7, 2009)

Observations

At its meeting of May 10, 2010 the Senate Committee on Awards reviewed one amended offer that appears to be discriminatory according to the policy on the *Non-Acceptance of Discriminatory Awards*.

Recommendations

The Senate Committee on Awards recommends that Senate and the Board of Governors approve one amended offer, as set out in Appendix A of the *Report of the Senate Committee on Awards – Part B* (dated May 10, 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 May 10, 2010

2. AMENDED OFFERS

NFL / Budweiser Recreation Services Aboriginal Student Development Award

The following amendments have been made to criterion (1) of the terms of reference for the NFL / Budweiser Recreation Services Aboriginal Student Development Award.

- The required course load has been changed from: at least 80% of a full course load to: at least 60% of a full course load.
- The eligible programs have been expanded from: Recreation Management and Community Development to: any undergraduate degree program offered by the Faculty of Kinesiology and Recreation Management.

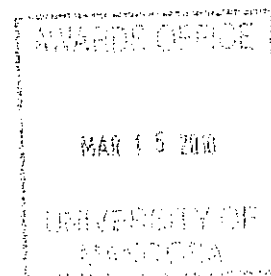
(Attachments I and II)



UNIVERSITY
OF MANITOBA

Faculty of Kinesiology
and Recreation Management

102 Frank Kennedy Centre
Winnipeg, Manitoba
Canada R3T 2N2



March 10, 2010

To: Dr. Phil Hultin, Chair, Senate Committee on Awards

From: Dr. Jane Watkinson, Dean

RE: Letter of Support for changes to NFL/Budweiser Recreation Services Aboriginal Student Development Award

Please accept this letter of support from the Faculty of Kinesiology and Recreation Management, who at the October 27, 2009 meeting of the Undergraduate Awards Committee passed a motion to make changes to the NFL/Budweiser Recreation Services Aboriginal Student Development Award.

The requested changes are intended to expand the number of undergraduate students in our Faculty who would be eligible to receive the award. Currently, the award is available to Aboriginal undergraduate students in the Bachelor of Recreation Management and Community Development only. As can be seen from the table below, figures from the Office of Institutional Statistics show the percentage of Aboriginal students in all of the Faculty's academic programs over the past five years has ranged from 1.0 to 2.0%. Coupled with the other award criteria, the number of eligible students has been so low that the award was not even given out last year.

Your support of this request would be greatly appreciated as we work to enhance our Aboriginal student numbers and opportunities for financial awards and recognition of their contributions to our field and our Faculty.

Number of Aboriginal Students in the Faculty of Kinesiology & Recreation Management as a Percent of University of Manitoba Students 2005 – 2009

2005		2006		2007		2008		2009	
N	%	N	%	N	%	N	%	N	%
17	1.0	21	1.3	33	2.0	24	1.4	34	1.8

Aboriginal Student Centre45 Curry Place
Winnipeg, MB
R3T 2N2Phone: 204-474-8850
Fax: 204-275-3142
E-mail: asc@umanitoba.ca

March 24, 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 revised terms being proposed for the NFL/Budweiser Recreation Services Aboriginal Student Development Award. This award is designed to assist Aboriginal students studying in the Faculty of Kinesiology and Recreation Management.

The number of Aboriginal students attending the University of Manitoba continues to increase and, I believe, is partially due to the financial assistance made available through initiatives such as this. The NFL/Budweiser Award is an example of a Faculty wanting to assist students pursuing an education in the Kinesiology and Recreation Management program.

The number of Aboriginal students reported in the Faculty of Kinesiology and Recreation Management has increased over the last 5 years but still reveals an under-representation of Aboriginal student participation. In 2003 when the award was first established there were only 12 self-identified Aboriginal students, or 1.3% of the Faculty undergraduate population. In 2009 the Office of Institutional Analysis has reported 34 self-declared Aboriginal students, or 1.8% of the Faculty population. Aboriginal Peoples represent closer to 12% of the Manitoba population and we need to continue to support initiatives that assist us in reaching a more equitable representation.

Offering a scholarship, such as the one being proposed by the Faculty is a great idea and one I would like to support. Kinesiology and Recreation Management is of growing interest in the Aboriginal communities and widely supported by our communities and our leaders.

I trust that the Senate committee will approve this scholarship and others like it, in the hopes of increasing the recruitment and retention of Aboriginal students in the Faculty of Kinesiology and Recreation Management.

In education, miiwetch!

Kari Storm, Director
Aboriginal Student CentreUNIVERSITY
OF MANITOBASTUDENT
AFFAIRS



AGENDA ITEM: Report of the Senate Committee on Awards [dated June 16, 2010] and Report of the Senate Committee on Awards [dated July 5, 2010]

RECOMMENDED RESOLUTION:

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].

THAT the Board of Governors approve one new offers as set out in Appendix A of the Report of the Senate Committee on Awards [dated July 5, 2010].

Action Requested: Approval Discussion/Advice Information

CONTEXT AND BACKGROUND:

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 Report of the Senate Committee on Awards [dated June 16, 2010].

In an electronic poll conducted between June 21 and July 5, 2010, the Senate Committee on Awards approved one new offer as set out in Appendix A of the Report of the Senate Committee on Awards – Part A [dated July 5, 2010].

RESOURCE REQUIREMENTS:

Awards will be funded from the various sources of funding identified within the Report.

IMPLICATIONS:

N/A

ALTERNATIVES:

N/A

CONSULTATION: *[delete if not applicable]*

All of these award decisions meet the published guidelines for awards as approved by Senate and were reported to Senate for information on June 23, 2010.



Board of Governors Submission

Routing to the Board of Governors:

<u>Reviewed</u>	<u>Recommended</u>	<u>By</u>	<u>Date</u>
X	X	Senate Committee on Awards	June 16, 2010 and July 5, 2010
X	X	Senate Executive	August 25, 2010
X	X	Senate	September 8, 2010
<input type="checkbox"/>	<input type="checkbox"/>		
<input type="checkbox"/>	<input type="checkbox"/>		
		Senate	

Submission prepared by:

Submission approved by: University Secretary

Attachments

- Report of the Senate Committee on Awards [June 16, 2010]
- Report of the Senate Committee on Awards – Part A [July 5, 2010]

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.



AGENDA ITEM: Report of the Senate Committee on Awards – Part B [dated July 5, 2010]

RECOMMENDED RESOLUTION:

THAT the Board of Governors approve the Report of the Senate Committee on Awards – Part B [dated July 5, 2010].

Action Requested: X Approval Discussion/Advice Information

CONTEXT AND BACKGROUND:

In an electronic poll conducted between June 21 and July 5, 2010, the Senate Committee on Awards reviewed one new offer which appears to be discriminatory according to the policy on the Non-Acceptance of Discriminatory Awards.

Letters of support for the *Lee Dunlop Anderson Centennial Bursary* were received from Dean Sevenhuysen, Faculty of Human Ecology and Ms. Kali Storm, Director Aboriginal Student Centre.

RESOURCE REQUIREMENTS:

In recognition of the 100th anniversary of the Faculty of Human Ecology, Lee Dunlop Anderson has established an endowment fund with an initial gift of \$20,792. The available annual interest from the fund will be to award the bursary.

IMPLICATIONS:

The *Lee Dunlop Anderson Centennial Bursary* will give preference to an Aboriginal student. This Bursary will serve to increase the representation of Aboriginal students in the Faculty of Human Ecology.

ALTERNATIVES:

N/A

CONSULTATION: *[delete if not applicable]*

The Bursary was approved by Senate on September 8, 2010.



Board of Governors Submission

Routing to the Board of Governors:

<u>Reviewed</u>	<u>Recommended</u>	<u>By</u>	<u>Date</u>
x	x	Senate Committee on Awards	July 5, 2010
x	x	Senate Executive	August 25, 2010
x	x	Senate	September 8, 2010
<input type="checkbox"/>	<input type="checkbox"/>		
<input type="checkbox"/>	<input type="checkbox"/>		

Senate

Submission prepared by:

Submission approved by:

University Secretary

Attachments

- Report of the Senate Committee on Awards – Part B [July 5, 2010]

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

209 Human Ecology
Winnipeg, Manitoba
Canada R3T 2N2
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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.

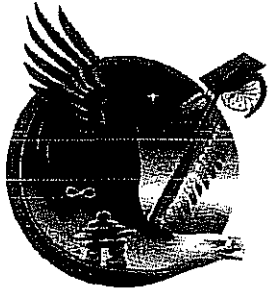
Sincerely,

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

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

AWARDS OFFICE

JUN 15 2010

UNIVERSITY OF
 MANITOBA

Aboriginal Student Centre
 45 Curry Place
 University of Manitoba
 Winnipeg, MB R3T 2N2

Phone: 204-474-8850
 Fax: 204-275-3142
 E-mail: asc@umanitoba.ca

**STUDENT
 AFFAIRS**

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UNIVERSITY
 OF MANITOBA



AGENDA ITEM: Proposal to Establish an Endowed Research Chair in Hepatology

RECOMMENDED RESOLUTION:

THAT the Board of Governors approve the establishment of an Endowed Research Chair in Hepatology.

Action Requested: Approval Discussion/Advice Information

CONTEXT AND BACKGROUND:

The Endowed Research Chair in Hepatology shall be held by an Internal Medicine specialist (FRCPC) with expertise in Hepatology and holding a current academic appointment at the rank of Professor. The incumbent will have a history of excellence in research, mentoring junior colleagues and investigators, and effective and production collaboration with intramural and extramural investigators and institutions.

The term of the appointment will be five years, renewable upon recommendation.

RESOURCE REQUIREMENTS:

Funding for the proposed Chair shall be derived from a \$3 million endowment that shall be jointly established by the Health Sciences Centre Foundation and the University of Manitoba.

IMPLICATIONS:

The establishment of the Endowed Research Chair in Hepatology will raise the research profile of the Department of Internal Medicine and the Faculty of Medicine. The incumbent will provide leadership and scholarship to the Department's research enterprise and play an important mentorship role to junior faculty members.

CONSULTATION:

In accordance with the University's policy on Chairs and Professorships, this proposal has been endorsed by the Vice-President (Academic) and Provost and the Senate Committee on University Research.

This proposal was considered and endorsed by Senate on June 23, 2010.



Board of Governors Submission

Routing to the Board of Governors:

<u>Reviewed</u>	<u>Recommended</u>	<u>By</u>	<u>Date</u>
X	X	Vice-President (Academic) & Provost	January 11, 2010
X	X	Senate Committee on University Research	May 28, 2010
X	X	Senate Executive	June 9, 2010
X	X	Senate	June 23, 2010
<input type="checkbox"/>	<input type="checkbox"/>		
<input type="checkbox"/>	<input type="checkbox"/>		
		Senate	

Submission prepared by:

Submission approved by:

University Secretary

Attachments

- Proposal to Establish an Endowed Chair in Surgical Research

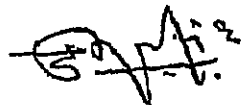


UNIVERSITY OF MANITOBA | OFFICE OF THE VICE-PRESIDENT (RESEARCH)

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) and Chair, Senate Committee on University Research 

DATE: May 28, 2010

SUBJECT: Proposal to establish an Endowed Research Chair in Hepatology

Attached is the proposal to establish the Endowed Research Chair in Hepatology. The Vice-President (Academic) and Provost, and the Senate Committee on University Research (SCUR), have endorsed this proposal, in accordance with the University's policy on *Chairs and Professorships*.

Please include this report and recommendation on the next Senate agenda. Please feel free to contact me should you require any further information.

Thank you.

DSJ/nis
Encl.

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

UNIVERSITY OF MANITOBA
JAN 12 2010
OFFICE OF THE VICE-PRESIDENT (RESEARCH)

4.2
208 Administration Building
Winnipeg, Manitoba
Canada R3T 2N2
Telephone (204) 480-1408
Fax (204) 275-1160

January 11, 2010

To: Digvir Jayas, Vice-President (Research)
From: Joanne C. Keselman, Vice-President (Academic) and Provost
Re: Endowed Research Chair in Hepatology

Dr. J. Dean Sandham, Dean of the Faculty of Medicine, has provided a letter of support for the proposal to establish an endowed research chair in hepatology in the Department of Internal Medicine.

The policy on Chairs and Professorships specifies that:

- (1) the chair be established consistent with the academic goals and objectives of the University;
- (2) the chair be fully funded from external sources, rather than University operating funds, and that the funds be sufficient to cover the salary and benefits of the incumbent and provide for an appropriate level of unrestricted research/scholarly support;
- (3) the funds for the chair be provided by way of an endowment or through a schedule of annual expendable gifts for a defined period of not less than five years, or by an appropriate combination of endowment and annual expendable gifts;
- (4) the chair shall be attached to a department, faculty, school, college, centre or institute of the University, and have goals consistent with the unit to which it is attached;
- (5) the establishment of the chair is not tied to the appointment of a particular individual;
- (6) individuals appointed to the chair normally shall have the academic qualifications commensurate with an appointment at the rank of Professor; and
- (7) the initial term of the appointment of the chair shall be 3-5 years, and if renewal is permitted, such renewal shall be subject to a successful performance review and the availability of funds.

The proposed chair in hepatology satisfies all of the above requirements. The funding for the chair shall be derived from a \$3 million endowment that shall be jointly established by the Health Sciences Centre Foundation and the University of Manitoba.

I am in support of the proposal from Medicine, and request that you present it to the Senate Committee on University Research for consideration and recommendation to Senate and then to the Board of Governors.

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

/encl.

c. Dr. J. Dean Sandham, Dean, Faculty of Medicine
Dr. Dan Roberts, Head, Department of Internal Medicine



UNIVERSITY
OF MANITOBA

Faculty of Medicine



Office of the Dean
260 Brodie Center
727 McDermot Avenue
Winnipeg, Manitoba
Canada R3E 3P5
Telephone (204) 789-3557
Fax (204) 789-3928

January 5, 2010

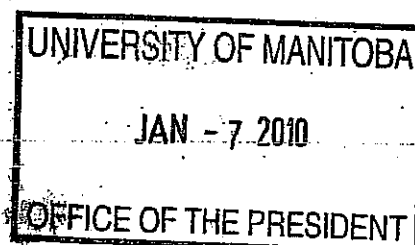
Dr. Joanne Keselman
Vice-President (Academic) & Provost
208 Administration Building
Fort Garry Campus
WINNIPEG, Manitoba

Dear Dr. Keselman:

RE: Application for Establishment of an
Endowed Research Chair in Hepatology

Dr. Dan Roberts, Professor and Head, Department of Internal Medicine, and Vice-Dean (Academic) Faculty of Medicine, has submitted an application for the establishment of an Endowed Research Chair in Hepatology. As outlined in the attached documents, this is a joint Chair with the Health Sciences Centre Foundation.

The Department of Internal Medicine, Faculty of Medicine and the Health Sciences Centre Foundation have major commitments to promote excellence in hepatobiliary disease research. To that end, they have committed a total of \$3 million to create an endowment to support establishment of this Chair.



.../2

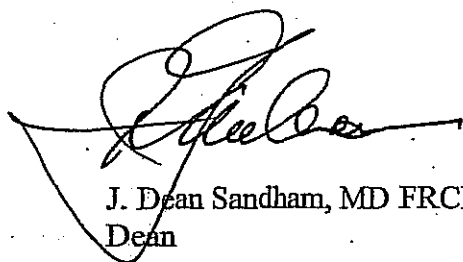
Dr. Joanne Keselman

January 5, 2010

Page Two

The Faculty of Medicine strongly supports this endeavour. The establishment of an Endowed Research Chair in Hepatology will raise the research profile of the Department and the Faculty. The recipient of this Endowed Chair will provide leadership to the Department's research enterprise and play an important mentorship role for junior faculty members.

Yours truly,

A handwritten signature in black ink, appearing to read "J. Dean Sandham". The signature is written in a cursive style with a long horizontal stroke extending to the right.

J. Dean Sandham, MD FRCPC FACP
Dean

A handwritten signature in black ink, appearing to read "Kevin M. Coombs". The signature is written in a cursive style.

Dr. Kevin Coombs
Associate Dean (Research)

JDS/KC:min



UNIVERSITY
OF MANITOBA

Faculty of Medicine
Department of Internal Medicine

Dr. Dan Roberts, Head
Department of Internal Medicine
GC430 - 820 Sherbrook Street
Winnipeg, MB R3A 1R9
Tel: (204) 787-7772
Fax: (204) 787-4826

MEMORANDUM

DATE: December 1, 2009

TO: Dr. K. Coombs

FROM: Dr. D. Roberts, MD, FRCPC
Head, Department of Internal Medicine

RE: Endowed Chair in Hepatology

Please find attached a copy of the proposal to establish an endowed Research Chair in Hepatology in the Department of Internal Medicine. This is a joint chair with the Health Sciences Centre Foundation. I have attached a copy of the proposal and other related documents for your information.

The Chair in Hepatology will provide leadership, scholarship and mentorship in hepatology at the University of Manitoba, in addition to the promotion of basic and translational research in Hepatobiliary research.

Your support and approval of this submission on behalf of the Dean would be greatly appreciated. A letter of approval along with a copy of this proposal should be directed to the Vice-President of Academic.

Please let me know if you required additional information. We look forward to hearing from you soon.

DR/gs

Cc: Ms. B. Becker
Ms. E. Goldie
Dr. D. Sandham

This **MEMORANDUM OF UNDERSTANDING** effective the 21st day of February, 2008

BETWEEN:

HEALTH SCIENCES CENTRE FOUNDATION

and

THE UNIVERSITY OF MANITOBA

Notwithstanding any provision of this Memorandum of Understanding, the Health Sciences Centre Foundation and The University of Manitoba shall, at all times, operate in accordance with academic processes approved by the University Senate, and the academic freedom of its faculty members shall be maintained to the fullest extent.

1. PURPOSE

The purpose of this Memorandum of Understanding (MOU) between Health Sciences Centre Foundation and The University of Manitoba (hereinafter referred to as "Partners"), is to raise a minimum of \$3,000,000 to establish an endowed fund to support a Research Chair in Hepatology that will be a joint initiative between the Partners.

This MOU delineates the goal of this initiative, the financial contributions of each partner, guidelines for each partner, the review and approval process to establish the Chair, terms of reference for the Chair and the ongoing monitoring of progress.

The role of the Chair will be to contribute significantly to the body of scholarship on Hepatology. The Partners will negotiate in good faith as to the duties of the Chair and the terms upon which the Chair is to be employed or otherwise engaged.

2. THE PARTNERS

A. The Health Sciences Centre Foundation promotes health care excellence by funding medical research and clinical projects to the benefit of the diverse communities served by the Health Sciences Centre.

B. The University of Manitoba is the province's premier post-secondary educational institution and its only research-intensive university. It is Western Canada's first university and was founded in 1877. The university has an enrolment of approximately 24,000 undergraduate students and 3,000 graduate students. The university offers 82 degrees, 51 at the undergraduate level. Most academic units offer graduate studies programs leading to master's or doctoral degrees.

3. FUNDING OF RESEARCH CHAIR IN HEPATOLOGY

The two partners will raise a minimum of \$3,000,000 to be held in their own organizations' endowment fund to fund a Research Chair in Hepatology.

The Health Sciences Centre Foundation currently has \$1,100,000 in an endowment fund that will be directed to establishing this Research Chair in Hepatology.

The spending allocation from funds held by each Partner shall be used for the purposes authorized by this MOU. The investment, management and expenditure of all funds held by the University of Manitoba shall be in accordance with the University Investment Trust (*current policy attached as Addendum A*), as amended from time to time.

- a) The principal of the Fund held by The University of Manitoba shall be retained and administered by the University in accordance with the University Investment Trust.
- b) The spending allocation shall be used for the purposes described in Article 2.
- c) All appointments to the Chair will be conducted in accordance with the University policies on Academic Appointments (*attached as Addendum B*) and the Establishment of Chairs (*attached as Addendum C*), as amended from time to time.

4. PROSPECT CLEARANCE

Each Partner will agree on prospects to be approached by each Partner. Names of prospects are to be submitted to each Partner with an agreement on which partner will approach.

5. APPROVAL PROCESS FOR ENDOWED CHAIRS

Subject to the University's policy on establishing Chairs and Professorships a formal proposal for an endowed Chair will be made by the appropriate Unit Head with approval by the Dean of the Faculty of Medicine and the Vice-President (Academic) in consultation with the Vice-President (Research). Endowed Chairs must be approved by the University Senate and, following recommendation by the Senate, the Board of Governors of the University.

The Senate Committee on University Research will make a recommendation to the Senate on the establishment of a Research Chair in Hepatology.

6. NAMING OF CHAIR

Should the Partners, upon mutual agreement, wish to honour a donor, or at the request of a donor, the Chair may be formally named in accordance with University policy on Naming of Chairs and Professorships (*attached as Addendum C*). The incumbent will acknowledge both Partners and, if applicable, the Donor(s) after which the Chair is named, in all publications, lectures, and any other activities supported through the Fund.

7. ACCOUNTABILITY

Each Partner will report annually on the status of their Fund to the other Partner.

The holder of the Chair will provide an annual report of his/her teaching and research activities to the Dean of the Faculty of Medicine and the Head of the Department of Internal Medicine, where the Chair is housed. The Dean of the Faculty of Medicine will provide a copy to each Partner for information.

8. CHANGE OF CIRCUMSTANCE

If circumstances change so that the entire amount of the funds required to support an endowment fund for the Chair are not received by the Partners, the Partners will consult as to options available at that time.

The focus of the academic priorities may shift over time, and it may become impossible, inadvisable or impractical to apply the spending allocation from the endowed Fund for the purposes set out above. If the University is of the opinion that a revised purpose is appropriate, the University shall exercise its discretion, in consultation with the Dean of Medicine, the Health Sciences Centre Foundation and, if applicable, the Donor(s) where possible, and use the spending allocation from the endowed Fund to the best advantage of the University for other purposes consonant with the spirit and intent of this agreement.

9. OBLIGATIONS OF THE PARTNERS

In signing this MOU, the Partners assume full responsibility for the administration of the funds held for the Research Chair within their organization.

10. CONFIDENTIALITY

The confidential information of each Partner is the exclusive property of that Partner. The Partners agree that they have not and shall not acquire any rights title or interest in the confidential information of the other Parties. The Partners agree that any Partner may at any time, upon written notification, request the return of confidential information.

Except as may be reasonably required for the purposes of performing this MOU, or as specified below, no Partner shall, without the prior consent of the other Partner, disclose

in any manner whatsoever in whole or part confidential information of that other Partner to any other party, and shall take reasonable precautions to prevent its employees or agents from using or disclosing such confidential information.

A. A. Kief
Witness

**HEALTH SCIENCES CENTRE
FOUNDATION**

Per: Sally G. Funtos
President & CEO

THE UNIVERSITY OF MANITOBA

Imanand
Witness

Per: Richard M. Ell
Vice-President (Administration)

**PROPOSAL TO ESTABLISH AN ENDOWED RESEARCH CHAIR
IN HEPATOLOGY
AT THE UNIVERSITY OF MANITOBA**

EXECUTIVE SUMMARY:

In accordance with the procedures and mechanisms for establishing Chairs at the University of Manitoba, the following is presented:

TYPE OF APPOINTMENT: Chair

NAME OF CHAIR: Endowed Research Chair in Hepatology

PURPOSE AND OBJECTIVES OF CHAIR:

The Chair in Hepatology is a joint initiative between the University of Manitoba and the Health Sciences Centre Foundation. The Chair will provide leadership, scholarship, and mentorship in Hepatology. The specific objectives of the Chair will include:

- o The promotion of basic and translational research in hepatobiliary disorders
- o Enhance the competitiveness of the University of Manitoba at national and international peer reviewed funding agencies such as CIHR, NIH, and Canadian Liver Foundation in the area of hepatobiliary disorders research.
- o The establishment and sustenance of critical intramural and extramural links and collaboration that serve to promote research in liver disorders at the University of Manitoba
- o Research in the area of hepatobiliary disorders will promote health care excellence and benefit the diverse communities served by the Health Sciences Centre.
- o The provision of mentorship and opportunities for young investigators embarking on careers focused on research and hepatobiliary disorders.
- o The pursuit of research topics that will lead to cures or improved health for individuals with hepatobiliary problems, and to ensure that high quality and timely care is available for Manitobans.

RELATIONSHIP TO THE PROPOSING UNIT

(Section of Hepatology, Department of Internal Medicine, Faculty of Medicine):

The Faculty of Medicine and the Department of Internal Medicine at the University of Manitoba the Health Sciences Centre Foundation have a major academic commitment to achieving the highest level of excellence in hepatobiliary disease research. Moreover, there exists within the Faculty of Medicine a number of excellent opportunities for state-of-the-art collaborative research between basic and clinical investigators focused on viral and immune mediated diseases and liver cancer. The proposed Chair would serve to

enhance research activity in hepatobiliary diseases and, in doing so, the overall research profile of the Department of Internal Medicine and Faculty of Medicine.

- By promoting basic, clinical and epidemiological research in Hepatology, the Section of Hepatology will meet its academic objectives of achieving excellence in hepatobiliary disease research.
- The promotion of research excellence in Hepatology is highly congruent with the academic mission of the Department of Internal Medicine and Faculty of Medicine at the University of Manitoba and the Health Sciences Centre Foundation.

The Chair will support an individual Clinician-Scientist by providing salary support and operating funds to pursue independent research in hepatobiliary diseases. This support will allow the recipient to maximize his/her research activity and effectiveness, as well as lead research activity in the Faculty in this strategically important area. Excellence of the candidate will be the first priority.

THE METHOD BY WHICH THE CHAIR WILL BE FUNDED:

Interest accrued for the initial endowment of \$3,000,000.

FUNDING METHOD:

The Health Sciences Centre Foundation currently holds \$1,000,000 in an endowment fund that will be directed to establishing the Research Chair in Hepatology. The Health Sciences Centre Research Foundation has obtained an additional \$1,000,000 in funding. The Department of Internal Medicine has committed to fund a further \$1,000,000. This brings the current total commitment to \$3,000,000. Further fund raising will continue by the University of Manitoba and the Health Sciences Centre Foundation to seek the balance of the money required through both private and industry support. It is anticipated that funding of the Chair would be from the interest accrued on this endowment.

The revenue generated from this fund will support a portion of the salary for the appointee as well as an appropriate level of unrestricted research support for the Chair in the form of operating funds. In addition, opportunities to leverage these funds will be explored through programs offered by the CIHR.

GENERAL AND SPECIFIC REQUIREMENTS FOR THE CHAIR

In accordance with the policy and procedures for establishing chairs at the University of Manitoba, individuals appointed to the Endowed Chair in Hepatology will have the following qualifications:

- Canadian citizen or permanent resident.
- Internal Medicine specialist (FRCPC) with expertise in Hepatology
- Holding a current academic appointment at the rank of Professor.

- History of excellence in research as evidenced by a strong publication record in high impact journals and acquisition of national or international peer reviewed grants and contracts.
- History of mentoring junior colleagues and investigators.
- History of effective and productive collaboration with intramural and extramural investigators and institutions.

TERM OF APPOINTMENT:

- The initial term of the appointment will be five years, biennial and final year progress report
- Internal midterm evaluation
- The renewal of the appointment for an additional term(s) will be subject to a successful review of the incumbent's performance within the context of the Faculty of Medicine's research strategy, such a review to be carried out during the fourth year of the term.

A successful performance review will provide evidence of the following:

- Personal research productivity in the form of external grants, presentations, and peer-reviewed publications. It is expected that funding from one or more national agencies would be expected along with additional funding from local sources.
- Evidence of mentoring including having one or more full-time research trainees or supervision of clinical fellows in their research year.
- Evidence of publication in the range of 3-5 publications/year with 1 or more in a high impact journal.
- Evidence of linkages, collaboration and multi-disciplinary research within the University and between the University and other research institutions.

PREAMBLE:

The Department of Internal Medicine at the University of Manitoba has become a major international influence in Hepatology research. A computerized database of patients with hepatobiliary disease, established in 1987, is the first and one of the largest in North America. Its scientists have been recognized as world leaders in researching and treating viral hepatitis, cirrhosis and liver cancer. Globally, the University of Manitoba leads all other centres in describing the impact of liver disease in Aboriginal Populations.

Research from the University of Manitoba, Section of Hepatology has shown that although Aboriginal people are more often exposed to the viruses that cause liver disease (Hepatitis A, B and C) they have an inherent ability to clear the virus and prevent long-term infections, more so than non-Aboriginal people. Laboratory studies to determine why that is the case, have revealed that the immune response of Aboriginal people to hepatitis viruses is stronger and more robust. The latter finding may also explain why Aboriginal people are more likely to develop immune-mediated diseases of the liver (additional findings from researchers in the Section). Once established, these viruses and

immune-mediated diseases of the liver will often progress to cirrhosis and liver cancer. Researchers in the Section have been successful in identifying the mechanisms whereby cirrhosis develops and are actively pursuing a vaccine that will prevent further scar tissue formation. Finally, Section researchers have identified that liver cancers have a different electrical charge than adjacent non-cancerous liver (more positively charged). Quite exciting are results of recent laboratory experiments in which changing the electrical charge from being positive to negative results in the cancer cells returning to a healthy, non-cancerous state.

Despite the above success, the Department lacks funding to recruit and support additional Hepatologists and scientists, who are needed to help continue the growth of the research program. As more researchers treat patients in clinics and hospitals, fewer doctors have the time to conduct research. To address these challenges, the Department intends to raise \$3 Million for a research chair in Hepatology, which will support the present staff and permit the hiring of two additional researchers. This initiative will also help the Department build on its achievements and secure its standing as a premier centre of Hepatology in North America.

The Section of Hepatology in the Department of Internal Medicine is committed to nurturing a staff of superb clinician and research scientists who will give Manitobans state-of-the-art care and establish leading research programs in hepatobiliary disorders including viral hepatitis, non-alcoholic steatohepatitis, autoimmune liver disease and cirrhosis and liver cancer.

The Section of Hepatology has three full-time clinician-scientists, and 17 research and support staff. The research group includes collaborators from the National Microbiology Laboratory (NML), Institute for Biodiagnostics, National Research Council, the Public Health Agency of Canada, Health Canada, the Cadham Provincial Laboratory and CancerCare Manitoba. Its staff provides direct care to patients at the two University hospitals. The only Canadian postgraduate fellowship program in Hepatology was launched in 1994. To date five Hepatologists have been trained.

The work being performed by the Section is helping to discover what causes hepatobiliary diseases and how to improve the lives of sufferers. For example, working jointly with National Research Council Institute for Biodiagnostics in Winnipeg, researchers will explore new methods of diagnosing liver and bile duct cancers. These will include applying magnetic resonance spectroscopy to patients with those liver disorders that place them at increased risk of developing bile duct cancer.

In addition:

- Dr. Gerald Minuk, Professor, has received a 5 year grant from Health Canada as a part of the International Polar Year (IPY) wherein his research team will determine whether mutations to the hepatitis B virus are responsible for the development of cirrhosis and liver cancer in the Canadian Inuit population. The same study will also document whether individuals with occult hepatitis B infections are at increased risk of developing these complications. Most recently,

Dr. Minuk has received separate grants from Health Canada, PHAC and the Canadian Liver Foundation to determine whether blue-green algae contamination of the country's drinking water is responsible in part for the increase in liver cancer rates nationally and the mechanism whereby those toxins could initiate carcinogenesis.

- Dr. Kelly Kaita, Associate Professor, is one of the country's foremost clinical trials investigators, having been at the forefront of identifying and applying new antiviral agents to Canadians with chronic hepatitis B and C infections.
- Dr. Stephen Wong, Assistant Professor, has been actively studying the mechanism whereby fatty infiltration of the liver causes liver disease and identifying unique therapeutic approaches to resolving the disorder.
- Dr. Julia Rempel, Assistant Professor, is responsible for having documented the immune response of Aboriginal individuals to the hepatitis C virus. Her work is particularly important with respect to developing a future vaccine for this virus.
- Dr. Julia Uhanova, Lecturer, has amalgamated six distinct databases to create the largest and most extensive viral hepatitis database on the continent. Her work will serve to document the prevalence of viral hepatitis in various ethnic populations, the natural history of the disease, effects of antiviral therapy and costs to the health care system.
- Dr. Yüewen Gong, Professor, has discerned the molecular pathways in the development of cirrhosis and identified target proteins for which effective vaccines are being developed.
- In the near future, the Section hopes to identify and recruit a transplant Hepatologist who will not only be involved in the management of pre- and post-transplant patients but also, develop an active research program around liver transplantation and related topics.
- Despite the above accomplishments, the Section presently lacks funds to support its research and clinical programs. The challenges are to recruit and retain top qualified Hepatologists and to maintain the quality of the program against the pressures of increased clinical demand.

In the past 10 years, the Section of Hepatology at the University of Manitoba has attracted more than \$10 million from granting agencies and contract research with industry. Presently, twelve research staff are employed from those grants.

Research findings from the Section have appeared in the *New England Journal of Medicine*, *Lancet*, *Annals of Internal Medicine*, *Hepatology*, *Gastroenterology* and other influential academic journals, as well as the international media. Although the accomplishments are significant, so are the challenges. Without dedicated funds for research, the program will suffer and risk losing its gifted scientists. A Chair in Hepatology that funds experienced researchers and new talent, will help maintain momentum and better serve Manitobans who rightly expect excellence from their health care system.

OTHER PROVISIONS:

- 1) The selection and appointment of an individual to the Research Chair in Hepatology shall be conducted in accordance with section 2.2 of University Policy on Chairs and Professorships.
- 2) The duties and responsibilities of the individual appointed to the proposed Chair will be in accordance with section 2.3 of University on Chairs and Professorships
- 3) The Chair holder will have an appointment in the Department of Internal Medicine and some restricted clinical activity to ensure a clinical profile. Cross-appointment to an appropriate basic science department may also be considered. The Chair holder will participate in an appropriate amount of teaching activity, including undergraduate and post-graduate medical trainees and graduate students, where appropriate..
- 4) The role of the Chair will be to contribute significantly to the body of research and scholarship in the Department of Internal Medicine, Accordingly, the appointment of the Chair will be made by the Department of Internal Medicine and shall be conducted in accordance with the University policy in Academic Appointments and the guidelines or the establishment of Chairs.
- 5) It is understood that the Chair would be structured with a five year maximum term with an option of renewal subject to satisfactory performance of the incumbent, but also with the understanding that the research focus could be changed at such intervals according to the changing needs of the Department of Internal Medicine as determined by the Head, Department of Internal Medicine and subject to approval by the University of Manitoba, and the Health Sciences Centre Foundation.



AGENDA ITEM: Tuition Fees – Professional Programs

RECOMMENDED RESOLUTION:

That the Board of Governors approve tuition fee increases as follows:

- 20% per year for both 2010/11 and 2011/12 for Faculty of Dentistry programs (excluding those offered by the School of Dental Hygiene)
- 25% per year for both 2011/12 and 2012/13 for students commencing the Asper School of Business Master of Business Administration (MBA) program in August 2010 or later.

Action Requested: Approval Discussion/Advice Information

CONTEXT AND BACKGROUND:

In response to discussions earlier in the spring between the University of Manitoba and representatives from the Province of Manitoba regarding the potential for the University to propose more significant fee adjustments for professional programs, Deans responsible for these programs were asked to consider their program offerings to ascertain which among them would be in a position to advance a reasonable proposal.

Following a review of the submissions received, the President advanced to COPSE proposals for discussion to increase tuition for the following programs:

- The Faculty of Agricultural and Food Sciences Bachelor program;
- The School of Agriculture diploma program;
- The Asper School of Business Bachelor of Commerce and Master of Business Administration program;
- The Faculty of Dentistry dental degree program;
- The School of Dental Hygiene dental hygiene programs;
- The Faculty of Medicine undergraduate medical education program;
- The School of Medical Rehabilitation Master of Occupational Therapy program;
- The Faculty of Nursing Bachelor of Nursing program; and
- The Faculty of Pharmacy Bachelor of Science program.

On June 25, 2010 the Province issued a news release which advised that the Minister of Advanced Education and Literacy had accepted recommendations from COPSE to turn down eight of the twelve requests forwarded by the University of Manitoba and the University of Winnipeg. The remaining four requests which included tuition increases in the School of Dental Hygiene, the Faculty of Dentistry, the Faculty of Medicine and the Asper School of Business Master of Business Administration (MBA) program were passed onto the Department of

Advanced Education and Literacy for further review.

The Minister subsequently declined a request of 20 percent per year for the next two years in the dental hygiene diploma program because the requested increase was not in line with future income expected to be generated by graduates.

The Minister also declined a request to increase tuition for students in the Faculty of Medicine but instead announced a \$1 M initiative over the next two years (\$400,000 10/11, \$600,000 11/12) to sustain increased enrolment, help encourage students to practice family medicine and fund other school improvements.

The Minister accepted a 20% per year increase in tuition fees for dental students for the next two years with the proviso that 15 per cent of the revenue generated from the increase be invested in student bursaries.

The Minister accepted an annual 25% increase in tuition fees over two years in the Asper MBA program starting in 2011. The increase will not apply to students currently enrolled in the program, however students commencing the MBA program in August 2010 or later will pay the higher fee levels in 2011. The Province has stipulated that 25 % of the revenue generated from the increases will be invested in bursaries.

On May 18, 2010 the Board of Governors approved a tuition fee increase on all programs of 5% in conjunction with the approval of the operating budget. As the Province subsequently advised that they would accept a greater increase for the Faculty of Dentistry programs (10/11 and 11/12) and for the Asper MBA program (11/12 and 12/13), approval for the implementation of these proposed increases now is being requested.

RESOURCE REQUIREMENTS:

Revenue from increased tuition levels will provide financial resources for the enhancement of academic offerings and the provision of increased student support.

CONNECTION TO THE UNIVERSITY PLANNING FRAMEWORK:

The increased tuition revenues will support activities that will significantly enhance the academic offerings and the student supports provided which directly supports the University's goal to enhance academic offering by focusing on issues relevant to our world today and through delivering an exceptional student experience

In the Faculty of Dentistry, revenues from the proposed tuition increase would be used to partially fund the following clinic enhancements: installation of imaging technology (new CT Scan methodologies and digital radiography equipment), implementation of an electronic patient record/management system for dental schools (axiUm) and renovations to support chair-side computers.

In the MBA program, the proposed increase in tuition would be used as follows: promote the MBA program to enhance our reputation in Manitoba, Canada and internationally, increase course and

section offerings, enhance student services including career management, job placement initiatives, academic student counseling and enhance accessibility (scholarships and bursaries).

IMPLICATIONS:

Some students may face financial difficulty as a result of increased tuition fees, however, this will be offset by the new funding made available for bursaries.

The reputation of these programs will be enhanced as a result of the direct benefits provided to the students in these programs.

ALTERNATIVES:

The University could attempt to secure increased Provincial funding in lieu of increasing tuition however the likelihood of receiving such funding is extremely low as significant effort has already been made for enhanced funding. Another alternative to increasing tuition fees is to decrease the intake of students in both the MBA and Dentistry programs but this would negatively impact the needs of Manitobans.

CONSULTATION:

The Dean of the Asper School of Business e-mailed a letter to every student in the MBA program which included an information and FAQ sheet and encouraged them to attend a town hall which was held on April 10, 2010. The town hall meeting at which the Dean presented the proposed increase and use of additional revenues was well attended and substantial student support was expressed. The Dean also consulted widely with stakeholders including Faculty Council and the Associates. Both the Faculty and the business community were highly supportive.

The Dean of Dentistry held consultation sessions with student representatives and classes. Approximately 75% of students signed petitions supporting the increase.



Board of Governors Submission

Routing to the Board of Governors:

<u>Reviewed</u>	<u>Recommended</u>	<u>By</u>	<u>Date</u>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<u>Deborah J. McCallum</u>	<u>June 30/10</u>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<u>Deborah J. McCallum</u>	<u>Jun 30, 2010</u>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<u>Exec & Gov Off</u>	<u>5 July 2010</u>
<input type="checkbox"/>	<input type="checkbox"/>	_____	_____
<input type="checkbox"/>	<input type="checkbox"/>	_____	_____

Submission prepared by: Joanne Dyer, University Budget Officer and E.A. to the V.P. (Administration)

Submission approved by: Deborah J. McCallum, Vice-President (Administration)

Attachments

Please list any related material attached. Ideally attachments for any given submission will not exceed ten (10) pages.

June 25, 2010 Manitoba News Release



NewsRelease

June 25, 2010

TEN OUT OF 12 REQUESTS FOR TUITION FEE INCREASES DECLINED

Government Balances Student Affordability with the Needs of Universities: McGifford

Advanced Education and Literacy Minister Diane McGifford today announced 10 out of 12 requests made by university professional faculties to increase tuition fees beyond the five per cent already approved by government have been declined.

"We have worked hard to strike the appropriate balance between education affordability for students and the financial needs of some faculties," said McGifford. "We believe this announcement will now allow students and institutions to plan appropriately for the upcoming year."

Earlier this spring, the University of Manitoba and the University of Winnipeg submitted 12 requests to increase fees in professional faculties to the Council on Post Secondary Education (COPSE).

The minister accepted eight recommendations from COPSE to turn down the tuition fee requests.

An additional four requests were passed onto the Department of Advanced Education and Literacy for further review including increases in tuition fees in the department of dental hygiene, the schools of medicine and dentistry as well as the master of business administration program.

Following a review, the following decisions were made by the minister:

- To decline a request of 20 per cent per year for the next two years in the dental hygiene diploma program because the requested increase was not in line with future income expected to be generated by graduates.
- To decline a request of nearly 73 per cent over three years for first-year students in the University of Manitoba's school of medicine to ensure that recruitment of additional doctors is not compromised. The province has instead announced a new \$1-million initiative to increase the supply of family doctors throughout Manitoba.
- To accept a 20-per-cent increase in tuition fees for dental students per year for the next two years, with 15 per cent of the revenue generated from the increase to be invested in student bursaries.

- To allow an annual 25-per-cent increase in tuition fees over two years in the master of business administration program starting in 2011. The increase will not apply to students currently enrolled in the program and 25 per cent of the revenue generated from the increases will be invested in bursaries. The university had requested a higher increase of 88 per cent over three years.

Since 1999, operating grant increases to universities combined with property-tax savings have resulted in a \$157 million or 73-per-cent increase in available operating funds for the institutions. The minister said she is committed to continuing working with all institutions to ensure education quality is preserved and enhanced.

"Our government is committed to ensuring that student success is based upon their ability and their passion to succeed, not on their ability to pay," said McGifford. "The decisions made by COPSE and our government stay true to this fundamental principle."

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FOR INFORMATION ONLY



UNIVERSITY
OF MANITOBA

Board of Governors Submission

AGENDA ITEM: Implementation of Bachelor of Arts: Integrated Studies

RECOMMENDED RESOLUTION:

For information only.

Action Requested: Approval Discussion/Advice Information

CONTEXT AND BACKGROUND:

The BA: Integrated Studies was approved by the Board of Governors on March 16, 2010, and subsequently by the Council on Post-Secondary Education (COPSE) on May 14, 2010. The Vice-President (Academic) and Provost has authorized the implementation of this program in September 2010.

RESOURCE REQUIREMENTS:

This new program requires no additional financial resources.

IMPLICATIONS:

N/A

ALTERNATIVES:

N/A



Board of Governors Submission

Routing to the Board of Governors:

<u>Reviewed</u>	<u>Recommended</u>	<u>By</u>	<u>Date</u>
x	<input type="checkbox"/>	Senate Executive	June 9, 2010
x	<input type="checkbox"/>	Senate	June 23, 2010
<input type="checkbox"/>	<input type="checkbox"/>		
<input type="checkbox"/>	<input type="checkbox"/>		
		Senate	

Submission prepared by:

Submission approved by: University Secretary

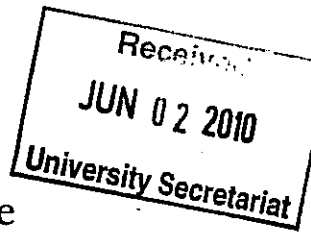
Attachments

- Correspondence from Vice-President (Academic) and Provost



UNIVERSITY
OF MANITOBA

Office of the
Vice-President (Academic) & Provost



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

May 28, 2010

TO: ✓ Richard Sigurdson, Dean, Faculty of Arts
Lori Wallace, Dean, Extended Education Division

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

SUBJECT: Implementation of B.A. Integrated Studies

At its meeting of 14 May 2010, the COPSE Council approved our proposal for the establishment of the B.A. Integrated Studies program.

Because this new program requires no additional financial resources, I hereby approve its implementation with effect from September 2010.

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

cc Richard Lobdell, Vice-Provost (Programs)
Neil Marnoch, Registrar
✓ Jeff Leclerc, University Secretary



AGENDA ITEM: Implementation of Ph.D. in Food Science and Ph.D. in Human Nutritional Sciences

RECOMMENDED RESOLUTION:

For information only.

Action Requested: Approval Discussion/Advice Information

CONTEXT AND BACKGROUND:

The Ph.D. in Food Science and the Ph.D. in Human Nutritional Sciences were approved by the Board of Governors on March 16, 2010, and subsequently by the Council on Post-Secondary Education (COPSE). The Vice-President (Academic) and Provost has authorized the implementation of these programs in September 2010.

RESOURCE REQUIREMENTS:

No additional resources will be required to implement this proposed program. The existing human and physical laboratory resources currently allocated to the delivery of the Inter-departmental PhD in Food and Nutritional Sciences by the Departments of Food Science and Human Nutritional Sciences will be used to deliver the proposed PhD programs.

IMPLICATIONS:

N/A

ALTERNATIVES:

N/A



Board of Governors Submission

Routing to the Board of Governors:

<u>Reviewed</u>	<u>Recommended</u>	<u>By</u>	<u>Date</u>
x	<input type="checkbox"/>	Senate Executive	August 25, 2010
x	<input type="checkbox"/>	Senate	September 8, 2010
<input type="checkbox"/>	<input type="checkbox"/>		
<input type="checkbox"/>	<input type="checkbox"/>		
		Senate	

Submission prepared by:

Submission approved by: University Secretary

Attachments

- Correspondence from Vice-President (Academic) and Provost



UNIVERSITY
OF MANITOBA

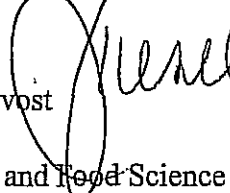
Received
JUN 16 2010
University Secretariat

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Vice-President (Academic) & Provost

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Telephone (204) 480-1408
Fax (204) 275-1160

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