

March 2, 2011

Minutes of a meeting of Senate held on the above date at 1:30 p.m. in the Senate Chamber, Room E3-262 Engineering and Information Technology Complex

Members Present

Dean R. Sigurdson, Chair
Prof. S. Abeysekera
Prof. John Anderson
Prof. Judy Anderson
Prof. J. Asadoorian
Prof. B. Bacon
Ms. C. Bone
Very Rev. R. Bozyk
Prof. M. Brabston
Rector D. Bracken
Dr. A. Chiu
Ms. A. Cipriano
Prof. L. Coar
Prof. K. Coombs
Dean D. Crooks
Dean E. Dawe
Dr. H. Dean
Dean J. Doering
Prof. M. Edwards
Dr. B. Elias
Prof. M. Eskin
Dr. E. Etcheverry
Mr. E. Forte
Dean H. Frankel
Prof. M. Freund
Prof. M. Gabbert
Prof. J. Gilchrist
Ms. S. Gottheil
Ms. J. Guise
Dean N. Halden
Prof. P. Hess
Dr. J. Hoskins
Dr. D. Jayas
Prof. E. Judd
Prof. W. Kinsner
Mr. B. Klassen
Prof. S. Kouritzin
Ms. H. Laube

Dr. A. MacDiarmid
Dr. J. Mactavish
Ms. K. Marcynuk
Prof. K. Matheos
Dr. R. McIlwraith
Prof. D. McMillan
Prof. E. Milliken
A/Dean C. Mossman
Prof. J. Owens
Prof. D. Polyzois
Dean B. Postl
Mr. S. Richardson
Dr. I. Ripstein
Ms. C. Rose
Ms. J. Rynar
Mr. M. Sadek
Ms. J. Sealey
Prof. M. Scanlon
Dean G. Sevenhuysen
Dr. L. Simard
Prof. W. Simpson
Dr. D. Smyth
Prof. H. Soliman
Dr. R. Tate
A/Dean L. Turnbull
Dr. K. van Ineveld
Prof. C. Van Winkle
Dean L. Wallace
Dean J. Watkinson
Dean M. Whitmore
Prof. K. Wilson-Baptist
Dr. D. Wirtzfeld
Dr. K. Wrogemann
Prof. A. Young
Mr. J. Leclerc,
University Secretary
Ms. M. Brolley,
Recording Secretary

Assessors Present

Dr. D. Collins
M. G. Csepregi
Ms. A. Ducas
Mr. P. Dueck
Dr. G. Glavin
Dr. B. Hann
Ms. M. Labine
Prof. C. Morrill
Dr. L. Smith

Regrets

Ms. K. Adams
Prof. S. Alward
Mr. M. Ates
Dr. D. Barnard
Prof. J. Bartlett
Prof. T. Booth
A/Dean D. Buchanan
Dr. C. Butterill
Prof. R. Cossar
Prof. J. Embree
Rectrice R. Gagné
Dr. K. Grant
Prof. J. Hanesiak
Prof. R. Hechter
Dean A. Iacopino
Prof. J. Irvine
Dr. A. Katz
Mr. J. Kearsey
Dr. J. Keselman
Mr. N. Marnoch
Mrs. D. McCallum
Prof. S. Pistorius
Prof. K. Plaizier
Prof. M. Pritchard
Mr. H. Sector
Dr. D. Smith

Dean M. Trevan
A/Dean L. Vercaigne
Dean J. Wiens
Prof. E. Worobec

Absent

Ms. N. Chislett
Prof. E. Comack
Dr. E. Cowden
Prof. I. Davidson-Hunt
Dr. M. Enns
Prof. Y. Gong
Mr. M. Gousseau
Mr. N. Grewal
Prof. J. Linklater
Prof. K. MacKendrick
Mr. M. Matychuk
Mr. J. Myskiw
Dr. J. Ristock
Ms. E. Romeo
Mr. N. Shamanski
Dr. R. Soni
Dean R. Stern
Prof. J. van Rees
Dr. M. Vrontakis
Mr. B. Weedmark
Ms. M. Wetzel

Also Present

Ms. S. Coyston
Ms. T. Joundi
Ms. M. Matthews
Mr. M. McDermid
Ms. M. Mayes-Wiebe
Prof. A. McNicol
Ms. H. Morris
Prof. M. Piercey-Normore

The Chair informed Senate that the speaker of the Senate Executive Committee was Professor Judith Owens.

I MATTERS TO BE CONSIDERED IN CLOSED SESSION - none

II MATTERS RECOMMENDED FOR CONCURRENCE WITHOUT DEBATE

1. **Report of the Executive Committee of the Faculty of Graduate Studies on course and curriculum changes in the Department of Agribusiness and Agricultural Economics** Page 3
2. **Report of the Executive Committee of the Faculty of Graduate Studies on course and curriculum changes in the Department of Biological Sciences and the Natural Resources Institute** Page 5

Professor Owens **MOVED**, on behalf of the Senate Executive Committee, **THAT** Senate approve the Reports of the Executive Committee of the Faculty of Graduate Studies regarding the Departments of Agribusiness and Agricultural Economics, Biological Sciences and the Natural Resources Institute.

CARRIED

III MATTERS FORWARDED FOR INFORMATION

1. **Report of the Senate Committee on Awards – Part A [January 24, 2011]** Page 7
2. **Report of the Senate Committee on Awards [dated February 2, 2011]** Page 17
3. **Annual Report of the University Discipline Committee** Page 19

The Chair noted that the University Discipline Committee is a committee of the Board of Governors which annually reports to Senate for information. Professor Anderson reported that the statistics in the report were generally consistent to those of previous years and that few matters were appealed beyond the level of the initial disciplinary authority.

4. **Student Advocacy Annual Report (2009-2010)** Page 95

The Chair noted that the Student Advocacy Office reports annually to Senate on its activities. Ms. Morris reported that 2009-2010 was a typical year.

5. **Senate Committee on Appeals**

Professor A. McNicol, Chair of the Committee, reported that the Committee had dealt with a number of appeals since the last report to Senate in May 2010. In keeping with convention these hearings were summarized without compromising the confidentiality of the appellant.

1. Appeal by a student against a decision by the Faculty of Engineering to remove them from the programme. The grounds of the appeal were compassionate. The appeal was granted.
2. Appeal by a student against a decision by the Faculty of Engineering to remove them from the programme. The grounds of the appeal were medical. The appeal was denied.
3. Appeal by a student from the Faculty of Graduate Studies requesting to write a final examination. The grounds of the appeal were medical and procedural. The appeal was returned the Faculty as all lower level avenues had not been exhausted.
4. Appeal by a student against a decision by University 1 to deny lifting a suspension. The Committee determined that the appeal was outside its jurisdiction.
5. Appeal by a student against a decision of the Faculty of Science to not award an Authorized Withdrawal. The grounds of the appeal were compassionate. The Committee determined that there were no grounds to hear the appeal.
6. Appeal by a student against a decision of the IH Asper School of Business to deny a request for a Letter of Permission for allow coursework to be taken elsewhere to count towards a degree. The grounds of the appeal were undue hardship. The appeal was granted.
7. Appeal by a student from the Faculty of Graduate Studies to remove them from the programme. The grounds were procedural. The Committee determined that there were no grounds to hear the appeal.
8. Appeal by a student against a decision by the Faculty of Engineering to remove them from the programme. The grounds of the appeal were medical. The appeal was granted.
9. Appeal by a student from the Faculty of Graduate Studies to remove them from the programme. The grounds were undue hardship. The Committee determined that there were no grounds to hear the appeal.
10. Appeal by a student against a decision by the Faculty of Engineering to remove them from the programme. The grounds of the appeal were undue hardship. The Committee determined that there were no grounds to hear the appeal.
11. Appeal by a student against a decision by the Faculty of Law to not reinstate them into the Faculty. The grounds of the appeal were compassionate. The appeal was granted.
12. Appeal by a student against a decision by the Faculty of Arts to deny a grade change request. The grounds of the appeal were procedural. The appeal was granted.
13. Appeal by a student against a decision by University 1 to deny Retroactive Voluntary Withdrawals. The Committee determined that this was an administrative issue and forwarded it to the Vice-Provost (Student Affairs).

Professor McNicol reported that the Committee had discussed the matter of jurisdiction following a submission from a faculty member regarding a decision by a Dean. The matter was forwarded to the President for final decision. He also reported that the Committee had closed the file on a student who appealed against a decision by the Faculty of Extended Education as the student had been permanently expelled from the University on disciplinary grounds. Professor McNicol noted that the Committee currently has four open files.

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| 7. | <u>Report on Research Contract Funds Received
July 1, 2010 – December 31, 2010</u> | Page 107 |
| 8. | <u>Report of the Senate Committee on Curriculum and Course
Changes RE: Deletion of lapsed undergraduate courses</u> | Page 111 |

IV REPORT OF THE PRESIDENT

Dr. Jayas spoke about Innovation at the University of Manitoba. He noted that the term innovation can be defined in many ways: “The act of introducing something new” (the American heritage dictionary); “A new idea, method or device” (Webster online); or “The introduction of new goods (...), new methods of production (...), the opening of new markets (...), the conquest of new sources of supply (...) and the carrying out of a new organization of any industry” (Joseph Schumpeter). He defined innovation as: Converting ideas to dollars where dollars are not only wealth creation but include improving the lives of people and enhancing the cultural experience thus defining dollars in the broader sense. With that definition, Dr. Jayas proceeded to give an overview of the University’s innovation.

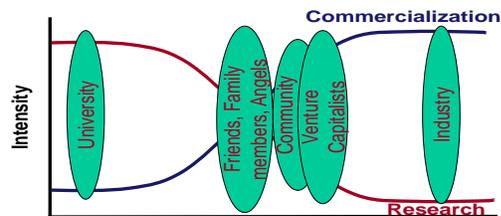
Dr. Jayas spoke of the mechanisms used for transferring the knowledge from universities as:

- Licensing of the ideas or technologies or innovations is quite common; and spin-offs, starting up a new company around an idea. These make up to two common mechanisms that the Technology Transfer Office (TTO) uses which could be around the products, the processes, or improvements to these products or processes.
- Knowledge transfer of products, processes, policies is another mechanism but it is difficult to attribute and the University does not get direct credit for the idea making this difficult to account for.
- Collaborative projects with partners which can improve products and processes is also difficult to attribute to the institution.
- Movement of highly qualified personnel (HQP) and the students who enrol in the programs and then work in the organizations.
- Outreach is another mechanism that is difficult to attribute but certainly units that have extension as part of their defined activities do more of this than some other units.

Dr. Jayas spoke about the spectrum of research to commercialization which locates universities at the far left in an area of high intensity. He referred to figure below where the red line represents the intensity of research and the blue line shows the commercialization. So universities are typically on the left hand side of the graph which essentially means that the intensity of research at universities is quite significant and a smaller amount of the commercialization side. On the other hand, if you look at the community colleges are more towards the right which means that research is limited but they contribute to the commercialization by developing prototypes. And while new ideas may not be generated they take existing ideas and develop into products. Industry has more emphasis on the commercialization. Commercialization in this context is the suite of activities which are required to convert the ideas to a useful, marketable product. Dr. Jayas referred to the place in between as the “valley of death” where a research idea is trying to move to the commercialization side and for some reason or another there is not enough investment, you run out of friends with money, or your own savings, and ideas die in this state. So this relies on the friends, family or other investors to take you out of that. If you get out, you move further along the commercialization line. When you have reached that you have something to market venture

capitalists come in and they try to buy you out and they get lots of money and you may get some money out of it. So the spectrum runs from an idea and, after a lot of investment from many people, it can reach commercialization and that is where the valuation factor comes in where you may think that the idea you have is worth a lot but does result in that. May be worth very little when it comes out as a product.

Research-to-Commercialization



Dr. Jayas next spoke of the transferring of the influx property which is the mechanism to transfer the knowledge from the university or the contribution to the innovation framework and the TTO at the University reports to the spin off companies involved including licenses to existing companies. The TTO refers all of the spin-offs to Eureka and the other Incubators in the province like BCC/NRC. The Incubators would provide support or nurture the companies by providing financial support, helping to fundraise for investment into research, legal issues, accounting issues, and management issues. Both major incubators have University of Manitoba startup companies as clients. For example Eureka is nurturing over 20 different companies including Diamedica (biopharmaceutical company focused on developing novel treatments for type 1 and 2 diabetes) and BCC/NRC has Firmion (a sensing system for organic compounds).

Dr. Jayas indicated that there are many different mechanisms to transfer the knowledge and contribute to the innovation framework including collaborative projects with partners such as:

- Granting Agency – Partnership Programs (e.g., CRD, CURA, GSK Chairs)
- Industry Funded Projects - *Fee-for-Service* or *Technical Services Agreement* (agreements that do not involve the undertaking of research but rather the use of existing knowledge, skills or expertise to provide a service for a sponsor by charging a fee for each service performed). In these cases, the University would normally charge 65% overhead; *Research Contracts* (a legally enforceable agreement containing contractual terms and obligations between the University and a sponsor or provider of materials with respect to the performance of research and research-related activities or the use of materials). Dr. Jayas emphasized that the University has a policy not to do secret research, so that under the research agreement, students have the right to publish the results and defend their thesis. In exceptional cases, the publication (though not the defense) of the thesis may be delayed for six months or up to one year; *Research Grants* (funds that are provided by a sponsor to perform research and research-related activities without contractual terms or obligations).

Dr. Jayas spoke on how the University measures innovation activity considering the different mechanisms in place. Measurements include: the number of projects/funding, participation in tri-agency partnership programs, awards recognizing partnerships, awards recognizing innovation, other recognitions, and the provision of services.

Dr. Jayas noted that Research Grants & Contracts for 2009/10 included 864 research projects totalling \$93.3 million, 87 of these projects involved industry and totaled \$7.2 million. He notes that the University worked with 52 industry sponsors including: AECOM, Canadian Bio-Systems Inc, Canadian Wheat Board, Canola Council of Canada, GlaxoSmithKline, MacroGenics Inc, Manitoba Hydro, McCain Foods, Merck & Co., Inc., RTDS Technologies Inc, and The World Bank.

Dr. Jayas noted that the Networks of Centres of Excellence (NCEs) aims to foster multi-disciplinary, multi-sectoral partnerships between academia, industry, government and not-for-profit organizations. He noted that there are 48 University of Manitoba Researchers involved in 11 NCE projects totalling \$4,060,887 including: Advanced Foods & Materials Network, ArcticNet, Allergen, Auto21, Canadian Arthritis Network, Canadian Water Network, Canadian Water Network, Graphics, Animation and New Media Canada, GEOIDE, MITACS, PrioNet Canada.

Dr. Jayas indicated that the NSERC University/Industry Collaborative Research and Development (CRD) supports well-defined projects undertaken by university researchers and their private-sector partners. Direct project costs are shared by the industrial partner(s) and NSERC. He noted that the University is involved in 17 projects totaling \$847,209 in 2009/10.

The goal of the NSERC Strategic Projects & Networks is to increase research and training in targeted areas that could strongly enhance Canada's economy, society and/or environment within the next 10 years. The University is involved in 15 projects totaling \$2,291,975 for 2009/10.

The NSERC Industrial Research Chairs assist universities in building on existing strengths to achieve the critical mass required for a major research endeavour in science and engineering of interest to industry. In 2009/10, the University is involved with 6 projects totaling \$666,511.

Dr. Jayas gave a number of examples of Community Partnerships:

- The Centre on Aging researchers who created better living conditions to improve the health and well-being of seniors by establishing "age friendly" communities across Manitoba (through a 5 year CURA Project).
- The RESOLVE researchers who have been working to reduce the incidence and impact of violence and abuse.
- The Disability researchers who designed digital tools to allow Canadians and athletes with disabilities access to information, retail and public services during the 2010 Olympic games in Vancouver.
- The Family Social Science researchers who developed a unique program called "Positive Discipline" to teach parents to raise their children without corporal punishment and to prevent child maltreatment; he noted that this program had been adopted in several countries.
- Sociologists who have been working to suppress auto theft in Manitoba; since the strategy was implemented in 2005, Dr. Jayas noted that auto theft has been reduced by 75 percent.
- The Faculty of Music contributed to cultural innovation through a regular series of Jazz concerts held throughout the year in Winnipeg.
- The Film Studies program worked in collaboration with industry to provide unique training opportunities through placements in a number of locations such as New Line Cinema (Los

Angeles), Winnipeg Film Group and Video Pool (in Winnipeg). Several students have gone on to screen and win awards at film festivals nationally and internationally.

- Research from CAST, Faculty of Architecture, has led to aesthetically pleasing columns and beams within built-in environments.

Dr. Jayas gave examples of partnerships in Health:

- A local partnership of the University, the Winnipeg Regional Health Authority, and Health Sciences Centre in the field of basic and clinical science in neuroimaging for disease diagnosis and new treatments.
- In the area of International Infectious Diseases Global Health Training Program, Dr. Fowke is leading the program and involves the University of Manitoba, the University of Nairobi, CIHR Gates, and the Province of Manitoba to educate and train local, Kenyan and international students in HIV biology and control. It has a symposium bringing students from different regions for training in Winnipeg.
- A partnership between the University and CancerCare Manitoba to develop mouse gene knockout models of common cancers.
- The Manitoba Institute of Child Health, a partnership between the University, the WRHA and HSC to focus research on the treatment of asthma and allergy in children.
- The GSK Chair, a partnership with CIHR and GlaxoSmithKlein, to focus on immunobiology of infections. He noted that this Chair will be filled shortly.

Dr. Jayas gave Senate an overview of some of the measures of innovation at the University.

Technology Transfer Metrics

	To-Date	09-10	April-Dec. 10
Total Active Patents	476		
New Patents (filed)		52	40
New Patents (issued)		4	2
Pending Patents	259		
Spin-offs (based on U of M Technology)	40	2	1
Total number of Active Licenses	123	19	18
Royalty Income in 2010		\$2.1M	\$1.4M
Partnering Events (attendance)		3 (319)	2(217)
Industry Visits		12	11

Technology Transfer Office Metrics 2002 – 2010

* After Re-Launch	02/03	03/04	04/05	05/06*	06/07*	07/08*	08/09*	09/10*
Honours	-	-	-	1	1	-	-	-
Licensing Revenue (\$millions)	2.4	2.3	1.6	2.8	2.1	1.9	2.0	2.1
Invention Disclosures	35	40	46	39	54	73	65	73
Number of Licenses	4	4	8	12	22	7	12	19
TTO Federal Grants (\$millions)	1.0	-	-	1.2	.3	.3	-	-
Patent Applications Filed	40	34	34	57	79	85	83	52
Start-ups	1	0	0	2	4	1	1	2
Corporate Visits	-	-	-	-	17	26	21	12

Dr. Jayas noted that Royalty Income is another metric that could be used to measure innovation at the University. He indicated that in comparison to other Canadian universities, the University of Manitoba ranks fourth in royalty income at 1.39 behind the University of Saskatchewan (2.67), The Hospital for Sick Children (1.60), and Queen’s University (1.48). He noted that the University should appear fifth but that Sherbrook was not included as their one technology puts them out of the graph. In terms of research expenditure per license, Dr. Jayas noted the University is in the middle to the group, within the top fifty percent of that metric.

Dr. Jayas spoke of Global Alliances the Technology Transfer Office develops with companies around the world, giving an idea of the portfolios the TTO manages.



Dr. Jayas noted that entrepreneurship is another area and one that has significant participation by the Asper School of Business; the University has had 46 first place finishes, a global record, in student entrepreneurship competitions worldwide. University of Manitoba students have launched over 20 companies with a market cap of \$400 million. He noted that the University’s students had been asked to close the NASDAQ twice in the last two years, one of few universities ever invited to do so. He further noted that the Asper School of Business had co-hosted the innovation summit held last year and that the Asper School is nominating a candidate for the Canadian Research Chair in Entrepreneurship with a focus on innovation management and building innovation capacity in companies.

Dr. Jayas noted another measure of innovation is the recognition through innovation awards. He noted the following recipients of NSERC Synergy Awards for Innovation, given for industry/university collaboration, noting that the University has eight of these awards second to UBC who has ten awards:

- Professor M. Butler, partnered with the Cangene Corporation, on a Mammalian Cells project.
- Professor A. Gole, partnered with RTDS Technologies, on a project on Simulating Power System Transients.
- Professor P. McLaren, partnered with ATP Power Technologies, for Detecting Power System Failures.
- Professor P. McVetty, partnered with CanAmera Foods, on a project on Rapeseed Cultivars.
- Professor A. Mufti, partnered with Vector Construction Group, on Innovative Structures Technology.
- Professor L. Shafai, partnered with InfoMagnetics Technolgies Corp., on Satellite and Wireless Antenna.
- Professor B. Slominski, partnered with Cd Bio-Systems Inc., on Feed Enzyme Development.
- Professor K. Standing, partnered with MDS Sciex, on Mass Spectrometry for Proteomics.

Dr. Jayas noted honourable mentions in the NSERC Innovation Challenge Awards which recognize graduate student research that moves from an idea to product development:

- In 2010, Suresh Neethirajan – CO₂ sensor for grain quality monitoring.
- In 2007, Babak Rezaia – Eco-friendly technology for wastewater treatment.
- In 2006, Behraad Behreyani – Micro-machined magnetic field sensor.

Dr. Jayas noted that the team led by Dr. Kenneth Standing and Dr. Werner Ens won the 2010 Encana Principle Award, the highest honour bestowed by the Ernest C. Manning Awards Foundation. He noted the team's strength in the field of time-of-flight (TOF) mass spectrometry and that, between 2000 and 2009, over 500 of these instruments were sold, generating over \$300 million in total sales revenue. He noted that the team was the first to describe the SARS virus proteins providing key evidence about how the virus infected cells.

Dr. Jayas indicated that the next steps for the Research Office included the current review of the Technology Transfer Office noting one of the first steps was an online survey which had received a good response. Dr. Jayas also indicated that the Research Office is developing mechanisms to enhance interactions with industry partners, particularly with respect to contracts, and working with legal services to improve the processes to create a welcoming environment for partners particularly in contract negotiations and the time it takes to negotiate contracts. He noted that Research Office is also working to enhance the recognition of the University's contributions to the economic, social, and cultural milieu of Manitoba.

Dean Turnbull thanked Dr. Jayas for elaborating on the kinds of mechanisms the University has for recognizing innovation as she felt that it was often difficult, in the social sciences, to feel that some of the work being done was clearly innovative and contributing to quality of life. She noted that some of this work was picked up in some of the metrics Dr. Jayas' mentioned and she also noted, referring to the final slide, that she appreciated that there were other ways of recognizing innovation, which was not necessarily about counting, as much of it was not countable, but innovation that obviously made a significant contribution.

Ms. Bone asked how discussion of the humanities enters into conversations on innovation noting that there was very little mention of the humanities in the presentation. Dr. Jayas

indicated that an example from Music had been noted but that there could also be examples from Art and from CAST, which is in the Architecture faculty which would be considered as a humanities example. He indicated that, for the next steps, the Research Office was looking at how to develop stories around innovation in the humanities. One example was to have an impact day or an impact evening where there would be examples from each area presented to the wider community with information on what impact the university was having on that area.

Professor Young noted that the core of humanities was still the literatures of different languages, including English, and history; she felt that art and architecture are not the core humanities. She noted her agreement with the previous comment that there was a significant gap with respect to the humanities. Dr. Jayas encouraged suggestions on how to account for the impact of the humanities and expressed his willingness to incorporate that in the impact day. He also encouraged the inclusion of stories related to the impact of the humanities in the Research Life magazine. He noted that the magazine currently included all of the books published and a highlighted section on the humanities but that he was open to other suggestions to highlight this area.

V QUESTION PERIOD

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

The following question was received from Professor Cameron Morrill, UMFA Assessor.

Is the University engaging in discussions regarding having a Confucius Institute on the University of Manitoba campus? If not, are there plans to do so? If so, at what stage are the discussions and when will full information come to Senate?

Dr. Collins, on the question of whether the University is engaging in discussions regarding a Confucius Institute and if not what the plans are, indicated that he was aware that discussions about Confucius Institute had been initiated within the University by Extended Education and were ongoing. He indicated that he was not aware of interest elsewhere in the University community or of future plans in this regard but, having said that, indicated that individuals were certainly free to and were, in fact, encouraged to explore new opportunities as he could not rule out the possibility. He indicated that any current discussions were very preliminary and that there had been some discussions with his office and with the Office of International Relations. He noted that it was too early to know whether any discussions would result in a formal proposal by Extended Education but assured Senate that if a formal proposal was submitted, it would be channeled through the appropriate university committees and ultimately would be reviewed by Senate.

VI CONSIDERATION OF THE MINUTES OF THE MEETING OF FEBRUARY 2, 2011

Dean Doering MOVED, seconded by Professor Coombs THAT the minutes of the meeting of Senate held on February 2, 2011 be approved as circulated.

CARRIED

VII **BUSINESS ARISING FROM THE MINUTES** – none

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

1. **Report of the Senate Executive Committee** Page 117

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

Ms. Ducas reported that the committee is currently considering proposals for a Ph.D. in Nursing and for the establishment of a Composite Research Centre.

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

1. **Periodic Review of Research Centres and Institutes** Page 118
RE: Centre for Research and Treatment of Atherosclerosis

Dr. Jayas **MOVED**, on behalf of the Committee, **THAT** Senate approve the report of the Senate Committee on University Research regarding the Centre for Research and Treatment of Atherosclerosis.

CARRIED

2. **Proposal from the Senate Committee on University Research** Page 122
RE: Modification to Terms of Reference

Dr. Jayas **MOVED**, on behalf of the Committee, **THAT** Senate approve the proposal of the Senate Committee on University Research regarding the modification to the Committee's Terms of Reference.

CARRIED

3. **Reports of the Senate Committee on Instruction and Evaluation**

a) **RE: Modification to entry, continuation and graduation GPA** Page 125
requirements for the B.Sc. in Geological Sciences (Major)
Geology and Geophysics programs, Clayton H. Riddell
Faculty of Environment, Earth and Resources

Dr. Etcheverry **MOVED**, on behalf of the Committee, **THAT** Senate approve the report of the Senate Committee on Instruction and Evaluation regarding the Clayton H. Riddell Faculty of Environment, Earth and Resources.

CARRIED

b) **RE: Modification to Scholastic Standards and Academic** Page 127
Assessment Rules for Undergraduate Program, Faculty of
Kinesiology and Recreation Management

Dr. Etcheverry MOVED, on behalf of the Committee, THAT Senate approve the report of the Senate Committee on Instruction and Evaluation regarding the Faculty of Kinesiology and Recreation Management.

CARRIED

- 4. Report of the Senate Committee on Awards – Part B** Page 129
[January 24, 2011]

Mr. Dueck noted that this report comes before Senate according to the Policy for Non-Acceptance of Discriminatory Awards.

Ms. Gottheil MOVED, seconded by Dean Doering, THAT Senate approve and recommend to the Board of Governors the Report of the Senate Committee on Awards Part B regarding the Shell Canada ENGAP Scholarship.

CARRIED

- 5. Report of the Senate Committee on Admissions** Page 133
RE: School of Dental Hygiene

Ms. Gottheil reported that the proposed recommendations will clarify the admission requirements for this program. She noted that the committee's first recommendation requires a Criminal Record Check/Child Abuse Registry, the second that priority be given to Canadians and Permanent Residents and the third outlines what happens in case of a surplus of applicants.

Ms. Gottheil MOVED, on behalf of the Committee, THAT Senate approve the report of the Senate Committee on Admissions regarding the School of Dental Hygiene.

CARRIED

- 6. Proposal from the Senate Committee on University Research** Page 135
RE: Centres/Institutes Review Extension

Dr. Jayas MOVED, on behalf of the Committee, THAT Senate approve the proposal of the Senate Committee on University Research regarding the extension to Centre/Institutes review period.

CARRIED

X ADDITIONAL BUSINESS - none

XI ADJOURNMENT

The meeting was adjourned at 2:30 p.m.

These minutes, pages 1 to 12 combined with the agenda, pages 1 to 135, comprise the minutes of the meeting of Senate held on March 2, 2011.