

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

Dr. D. Barnard, Chair
 Prof. A. Alessi-Severini
 Prof. J. Anderson
 Dean S. Baum
 Dean J. Beddoes
 Ms. L. Best
 Prof. R. Biscontri
 Dean J. Black-Branch
 Prof. P. Blunden
 Prof. T. Bone
 Prof. N. Boorberg
 Prof. O. Botar
 Very Rev. R. Bozyk
 Ms. T. Brenan
 Dean D. Brown
 Ms. R. Calotes
 Prof. T. Chen
 Prof. N. Cicek
 Prof. G. Clark
 Prof. S. Clark
 Dr. C. Cook
 Prof. R. Currie
 Prof. M. Czubryt
 Prof. S. Dhingra
 Ms. C. Dika
 Prof. M. Domaratzki
 Dean N. Dyck
 Prof. J. Frank
 Prof. M. Gabbert
 Mr. T. Gibbes
 Prof. J. Hare
 Prof. G. Hicks
 Prof. D. Ireland
 Dean G. Jacoby
 Ms. H. Jenkins
 Dean E. Jurkowski
 Mr. G. Kasbia
 Ms. N. Lam
 Prof. L. Landrum
 Ms. M.-L. Lê
 Prof. S. McClement
 Ms. K. Macalinao
 Dean D. Mandzuk

Prof. B. Mark
 Prof. C. Miller
 Ms. J. Minarik
 Prof. K. Nixon
 Prof. D. Oliver
 Prof. S. Olson
 Prof. J. Paliwal
 Prof. S. Passmore
 Ms. S. Penner
 Mr. D. Pinkerton
 Mr. E. Podaima
 Mr. J. Price
 Dean L. Raman-Wilms
 Prof. M. Rastegar
 Ms. G. Romund
 Mr. J. Sanderson
 Dean. M. Scanlon
 Prof. A. Schwann
 Mr. M. Shaw
 Acting Dean L. Simard
 Prof. M. Smith
 Mr. G. Sobie
 Prof. J. Sorensen
 Dean J. Taylor
 Ms. E. Thomas
 Prof. G. Tranmer
 Prof. J. van Lierop
 Prof. D. Walker
 Dean M. Yellow Bird
 Ms. L. Zapshala-Kelln
 Mr. J. Leclerc,
 University Secretary
 Dr. S. Coyston,
 Recording Secretary

Assessors Present

Mr. J. Adams
 Ms. S. Bonner-Proulx
 Dr. G. Glavin
 Prof. R. Lastra
 Mr. N. Marnoch
 Mr. C. Neumann
 Prof. G. Smith
 Dr. D. Stewart

Ms. S. Tombindo
 Ms. B. Usick
 Prof. D. Watt

Regrets

Dr. C. Adams
 Mr. J. Asaminew
 Rectrice S. Bouffard
 Prof. F. Burczynski
 Dr. J. Doering
 Mr. M. Garrett
 Dean N. Halden
 Prof. E. Haque
 Prof. J. Honeyford
 Dr. D. Jayas
 Ms. L. Johnson
 Mr. J. Kearsey
 Prof. W. Kinsner
 Prof. R. Koop
 Prof. K. MacKendrick
 Mr. J. McNicholl
 Chancellor A. Mahon
 Prof. K. Main
 Dr. T. Mondor
 Mr. J. Moon
 Ms. N. Nagra
 Ms. L. O'Hara
 Prof. J. Peeler
 Dean B. Postl
 Ms. M. Pozdirca
 Prof. S. Prentice
 Prof. T. Reeve
 Prof. B. Rice
 Dr. J. Ristock
 Prof. C. Schmidt
 Ms. L. Schnarr
 Prof. M. Tamtik
 Dr. M. Torchia
 Prof. C. Trott
 Dean R. Urbanowski

Absent

Prof. B. Albensi

Prof. C. Anderson
 Mr. K. Bhamra
 Dr. J. Blatz
 Ms. S. Cameron
 Ms. K. Casalla
 Dean A. Kelekis-Cholakias
 Mr. M. Colley
 Ms. S. Deibert
 Ms. K. Flattery
 Prof. D. Gardner
 Dr. D. Hiebert-Murphy
 Mr. B. Hill
 Ms. J. Peters
 Prof. A. Raouf
 Prof. A. Schultz
 Prof. R. Souleymanov
 Mr. E. Tahmasebian
 Mr. E. Teklemariam
 Prof. G. Thompson

Also Present

Mr. R. Daudet
 Ms. P. Gareau
 Ms. S. Utsunomiya
 Ms. M. Watson
 Mr. P. Wheatley
 Ms. M. Yoshida

The Chair informed Senate that the Speaker of the Senate Executive Committee was Professor Tina Chen, Faculty of Arts.

I MATTERS TO BE CONSIDERED IN CLOSED SESSION - none

II ELECTION OF SENATE REPRESENTATIVES

1. To the Senate Executive Committee Page 4

The Chair said one Senator was to be elected from among members of Senate elected by faculty and school councils, to serve as a leave replacement for Professor Austin-Smith, for a term ending June 30, 2020.

The University Secretary opened nominations.

On a motion duly moved and seconded, Professor John Anderson was nominated.

On a motion duly moved and seconded, nominations were closed.

Professor John Anderson was declared ELECTED to the Senate Executive Committee, for a term ending on June 30, 2020.

III MATTERS RECOMMENDED FOR CONCURRENCE WITHOUT DEBATE

1. Reports of the Senate Committee on Medical Qualifications

a) RE: Dr. Nicola Disma Page 5

b) RE: Dr. Leila Mameli Page 18

The Chair indicated that curriculum vitae of Dr. Disma and Dr. Mameli had been made available for inspection by members of Senate prior to the meeting, in the Office of the University Secretary and in the Dean's Office, Max Rady College of Medicine.

Professor Chen MOVED, on behalf of the Senate Executive Committee, THAT Senate approve the Reports of the Senate Committee on Medical Qualifications concerning Dr. Nicola Disma and Dr. Leila Mameli.

CARRIED

IV MATTERS FORWARDED FOR INFORMATION

1. Memo from University Secretary RE: Reminder, Location of April 1, 2020 Senate Meeting at Bannatyne Campus Page 28

The Chair reminded Senators that the April 1st Senate meeting would take place at the Bannatyne Campus. He referred Senators to the agenda for details on the meeting time and location.

2.	Report of the Senate Committee on Awards <u>[January 16, 2020]</u>	Page 29
3.	Report of the Senate Committee on Academic Review <u>RE: Undergraduate and Graduate Program Reviews</u>	Page 34
4.	Report of the Senate Committee on Curriculum and Course Changes RE: Corrections to the Reports of October 22, and <u>November 22, 2019</u>	Page 49
5.	<u>Correspondence from Provost and Vice-President (Academic)</u>	
a)	RE: Implementation of Bachelor of Arts (Double <u>Advanced Major) in History, Faculty of Arts</u>	Page 52
b)	RE: Implementation of Minor in Agronomy, <u>Faculty of Agricultural and Food Sciences</u>	Page 53
c)	RE: Implementation of Minor in Leadership for Business and Organizations, I.H. Asper School <u>of Business</u>	Page 54
d)	RE: Implementation of Manufacturing Stream (Concentration), Bachelor of Science in Engineering (Mechanical), Faculty of Engineering	Page 55
6.	Correspondence from Deputy Provost (Academic Planning and Programs) RE: Closure of Options in the Bachelor of <u>Science in Agribusiness</u>	Page 56

V REPORT OF THE PRESIDENT

1. President's Report

President Barnard invited Dr. Cook, Vice-President (Indigenous), to make a presentation.

2. Presentation by Vice-President (Indigenous)

Dr. Cook made a presentation on the *Office of the Vice-President (Indigenous)*, including its origins in the recommendations *University of Manitoba Indigenous Senior Leadership Report and Recommendations to the Provost and Vice-President (Academic) (August 31, 2019)*, actions that had been taken to date, and next steps for the Office. A copy of the presentation is appended to the minutes of the meeting.

Dr. Cook said, with respect to plans to establish an Elders Advisory Group / Indigenous Implementation Committee to guide the implementation recommendations, that she would be meeting with University Elders to share the Report and to seek their input on whether this would be the best structure. The purpose and role of the Elders Advisory Group would be reviewed annually and

would have a specific time frame. The description of the role for the newly established position of Vice-President (Indigenous) would also be reviewed.

Dr. Cook provided an overview of six project charters that she was developing, to guide the work of her office and the implementation of the recommendations in the August, 2019 report. The project charters, which were based on the Report, would be co-sponsored by the Offices of the President, and each of the Vice-Presidents, including:

- Indigenous representation in University governance and Executive and Senior Leadership (President's Office)
- Indigenous leadership and community (Office of the Vice-President Indigenous)
- Faculty partners for reconciliation (Office of the Provost and Vice-President, Academic)
- Supportive environment for Indigenous faculty, students, staff, and guests (Office of the Vice-President, Administration)
- Recognition of the Indigenous peoples and allies advancing Indigenous engagement at the University of Manitoba (Office of the Vice-President, External)
- Research that is respectful of Indigenous peoples and context (Office of the Vice-President, Research and International)

President Barnard thanked Dr. Cook for her presentation and for her willingness to take on the role of the inaugural Vice-President (Indigenous). He observed that Senators were eager to see the plans that she had described in her presentation develop and unfold.

VI QUESTION PERIOD

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

Professor Shaw, Faculty of Science Senator and UMFA Assessor, submitted several questions concerning the Horizon Manitoba project.

The Business Council of Manitoba is a corporate lobby group for small to medium sized businesses. Membership is by invitation only. Its members are exclusively Chief Executive Officers, and its current membership appears to be 73 men and 6 women. It also appears to be one of the driving partners in the "Horizon's Manitoba" project, which seeks to integrate the University's teaching and research programs into the perceived needs of private enterprise and the fluctuating demands of the labour market.

To our knowledge, the Administration has been working with this lobby group without having consulted Senate. The Administration has also recently hired a new project manager with the title "Horizons Manitoba Project Manager," presumably to implement the "Horizon Manitoba" recommendations.

This parallels two recent moves by the Manitoba Government: 1. shifting responsibility for the Post-Secondary sector to the Minister of Economic Development and Training, and 2. asserting that “Manitoba will be developing a new model for post-secondary funding based on performance” – a statement found in the Minister’s recent mandate letter to the Province’s post- secondary institutions.

Horizon Manitoba’s explicit mandate is the following: “In partnership, the government, post- secondary institutions, and the business sector are proposing to implement several key projects that will provide tangible benefits for the province and align with the economic strategy proposed by the Province of Manitoba.”

This corporate partnership will directly impact the academic functions of the University. We have the following questions:

1. Why has the University of Manitoba aligned itself with a corporate lobby group?
2. Who approved the University’s participation in the “Horizon Manitoba” project?
3. To what policies or programs has the University committed itself as a participant in this project?
4. To what extent is the University’s newly hired Horizons Project Manager charged with developing and carrying out the programs outlined in the Horizons Manitoba report?
5. To what extent will Senate approval be sought for the implementation of those proposals and programs?
6. What are the costs associated with participation in the Horizon Manitoba program?
7. What are the implications of this program for the University’s academic and budgetary autonomy?

President Barnard said he appreciated the questions being asked. He indicated that he would provide some background on Horizon Manitoba, but would invite Dr. Doering, Associate Vice-President (Partnerships) to speak about, and provide an overview of the initiative at the next meeting. Dr. Doering was part of the Project Team leading the federally-funded Industry-Academia Partnership Initiative that was often referred to as Horizon Manitoba. President Barnard said it was important, however, to distinguish between the Horizon Manitoba Report and the Industry-Academia Partnership Initiative funded by Western Economic Diversification Canada (WEDC).

President Barnard said that, in 2019, The Presidents’ Table of Post-Secondary Presidents in Manitoba had worked together with the Business Council of Manitoba (BCM) to create the Horizon Manitoba Report, which sets out broad goals for all post-secondary institutions in Manitoba. The aim of that project, most broadly, was to demonstrate collaboration and partnership already existing between the post-secondary education sector and the business sector. The Presidents’ Table had agreed that working with the BCM on this report offered the opportunity to build an external business

champion that would vouch for the importance of funding a strong post-secondary sector in Manitoba. President Barnard remarked that the federal funding that had been awarded as a result would suggest that this was what has taken place. Dr. Torchia, Dr. Fast, Dr. Doering and the University's Government Relations Director at the time had provided input into the Report. President Barnard said he had also participated as a member of the Presidents' Table. The goals of the Report, to a great extent, connect with work that the University has already been doing and align with the Strategic Plan. President Barnard observed that the Report had been well-received by both the federal and provincial governments and had led to productive meetings with Minister Eichler as well as funding from Western Economic Diversification Canada.

President Barnard clarified that the WEDC had not provided funding to support action on all of the pillars of the Horizon Manitoba Report. He said Dr. Doering would speak to this further at the next meeting.

President Barnard provided the background to the Horizon Manitoba Report. The WEDC had invited the BCM and Manitoba's post-secondary institutions to submit a funding proposal to fund key activities outlined in the Horizon Manitoba Report. The Universities of Manitoba and Winnipeg and Red River College collaborated with the BCM to prepare the application. At the end of July 2019, the WEDC notified the partners that they had been awarded \$2.2 million over three years, to implement key aspects of Horizon Manitoba. The WEDC funding represents 50 percent of the total project costs (\$4,360,415). The balance of the costs would be supported by in-kind funding from the three post-secondary institutions and industry funding through the BCM. The University of Manitoba had received the contract from the WEDC and it had been fully executed. The project title is, "Promote industry-academia alignment in support of economic development in Manitoba."

President Barnard said key areas of focus of the Horizon Manitoba Project include: accelerating opportunities for Indigenous and non-traditional students; identifying opportunities for post-secondary students to experience work-integrated learning through avenues such as apprenticeships, co-op placements and applied research projects; and stimulating economic growth through technology transfer and innovation. The proposed project would be carried out in two phases over three years. In phase one, post-secondary institutions and the BCM would promote conversation in the ecosystem through a series of engagement tables and complete a detailed implementation plan. Engagement tables would bring together leaders from a variety of sectors including digital media, financial institutions, digital agriculture, transportation, and manufacturing. In phase two, several initiatives from the implementation plan would be delivered. The initiatives would identify opportunities for post-secondary students to experience work-integrated learning through apprenticeships, co-op placements or applied research projects. Post-secondary institutions and the BCM would work in partnership with Indigenous communities, government, and business toward significantly increasing Indigenous participation in the post-secondary sector and in the labour market.

President Barnard said he viewed the Horizon Manitoba Project as a positive activity for the University and the post-secondary sector in the province. The federally-funded initiative was a direct result of the work that was done to create the Horizon Manitoba Report. The intention behind the Horizon Report was a positive, productive collaboration both within and between post-secondary institutions. President Barnard said he would

welcome conversations on how the University would move forward with all the pillars of the Horizon Manitoba Report.

President Barnard responded to each of the questions asked by Professor Shaw.

Why has the University of Manitoba aligned itself with a corporate lobby group?

President Barnard said The President's Table viewed the partnership with the BCM as an opportunity to build an external business champion that would vouch for the importance of funding a strong post-secondary sector in Manitoba. The BCM and its members, had been strong advocates for the University and post-secondary education in Manitoba and it made sense to work with them on these priority areas.

Who approved the University's participation in the "Horizon Manitoba" project?

President Barnard said he had approved the University's participation in the project, as a member of The President's Table.

To what policies or programs has the University committed itself as a participant in this project?

President Barnard said that, beyond the programs that are funded as part of the WEDC project, being a part of the Horizon Manitoba Project is a broad commitment to move forward in advancing progress in the areas identified in the Report. There was no specific commitment to any policies.

To what extent is the University's newly hired Horizons Project Manager charged with developing and carrying out the programs outlined in the Horizons Manitoba report?

President Barnard said the Project Manager would be working to implement the WEDC-funded project that he had described earlier.

To what extent will Senate approval be sought for the implementation of those proposals and programs?

President Barnard said that if any policies or proposals were to come forward that would require Senate approval, that approval would be sought in accordance with the University's processes.

What are the costs associated with participation in the Horizon Manitoba program?

President Barnard noted that he had addressed this question in his response.

What are the implications of this program for the University's academic and budgetary autonomy?

President Barnard said there were no implications for the University's autonomy. The University was working together with others involved in the Project to advance shared goals. The University was not compelled to do anything that it did not want to do as a result of being a part of this Project.

President Barnard said there would be an opportunity for a more fulsome interchange with Dr. Doering at the next meeting.

**VII CONSIDERATION OF THE MINUTES
OF THE MEETING OF FEBRUARY 5, 2020**

It was duly MOVED and seconded, THAT the minutes of the Senate meeting held on February 5, 2020 were approved as circulated.

CARRIED

VIII BUSINESS ARISING FROM THE MINUTES

- 1. Statement from Senate on the Importance of
Higher Education *(revised, for discussion)* Page 57**

President Barnard referred Senators to the revised Statement from Senate included with the Agenda. He said Professor Prentice had met with a Student Senator after the last meeting and the Statement from Senate on the Importance of Higher Education had been revised to reflect the feedback received.

Ms. Minarik said the students supported the Statement, with the edits that had been made to also focus on research. She said students would prefer to make a stronger statement and, recognizing that Senate could not state things in the tone that students would want, the students would be preparing a separate statement on the importance of higher education that would focus on the concerns of students.

On a motion duly moved and seconded, Senate approved the Statement, as presented.

CARRIED

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

- 1. Report of the Senate Executive Committee Page 58**

Professor Chen reported that Senate Executive Committee had met on February 12, 2020. The committee had made one recommendation regarding a vacancy for an academic staff member on the Senate Committee on Nominations, as outlined in the Appendix attached to the Report. Other comments of the committee accompany the reports on which they were made.

Professor Chen MOVED, on behalf of the committee, THAT the nomination of Dean Reg Urbanowski to the Senate Committee on Nominations, for the balance of a term ending May 31, 2020, be approved by Senate.

CARRIED

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

Professor Watt said the Senate Planning and Priorities Committee had met on February 24th, to consider a proposal to establish the Manitoba Quantum Institute and undergraduate course changes beyond nine credit hours in the Faculty of Law.

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

1. **Report of the Senate Committee on Admissions** Page 60
**RE: Revised Advanced Entry Admission Requirements,
Dental Hygiene Diploma, Dr. Gerald Niznick College of
Dentistry**

The Chair said Ms. Schnarr, Chair of the Senate Committee on Admissions, was not available for the meeting. He invited Mr. Adams, Executive Director, Enrolment Services, to speak to the committee's Report.

Mr. Adams said the existing English course requirement for admission to the Diploma in Dental Hygiene did not provide flexibility for students. It was also challenging for applicants from other institutions to meet the requirement. The proposal to require any 3 - credit hour English course at the 1000 level or higher would address these things. It would align with the English course requirement for admission to the Doctor of Dental Medicine program, which would benefit students in the Diploma program who might subsequently seek admission to the Degree program.

It was duly MOVED and seconded, THAT Senate approve the Report of the Senate Committee on Admissions concerning revised Advanced Entry admission requirements for the Diploma in Dental Hygiene, Dr. Gerald Niznick College of Dentistry, effective for the Fall 2021 intake.

CARRIED

2. **Report of the Senate Committee on Academic Review** Page 62
**RE: Review of Centre for Engineering Professional Practice
and Engineering Education**

The Chair said Dr. Mondor, Chair of the Senate Committee on Academic Review, was not available for the meeting. He invited Professor Czubryt, a member of the committee to speak to the Report.

Professor Czubryt recalled that the Senate Committee on Academic Review (SCAR) had previously considered the *Periodic Report on the Centre for Engineering Professional Practice and Engineering Education*, which had been prepared by the Director, Dr. Friesen, based on the Centre's initial five-year term. At its meeting on June 26, 2019, Senate had approved a recommendation from SCAR to grant the Centre a twelve-month extension, to facilitate a review to seek clarity on the role of the Centre within the Faculty of Engineering and on the

Centre's five-year plan. A Review Committee had been struck to carry out the review.

Professor Czubryt said the review was the first periodic review of the Centre, which had been established in 2014. The Senate Committee on Academic Review recognized the outstanding work that had been carried out by the Centre and the contributions it had made to the Faculty and the broader engineering community, which was apparent in letters of support provided from that community. Notwithstanding these things, several concerns were raised, as outlined in the Report of SCAR. One concern was that a number of academic appointments had been made to the Centre, ostensibly because there was a plan for the Centre to form an academic department. The committee had also had concerns with the five-year plan for the Centre, which the Centre had subsequently addressed in the document included as Appendix I to the Report of SCAR. Finally, the fact that the Centre's current, mission, vision, and value statements had not been approved by Senate had been identified as a risk, and SCAR had suggested that it would be useful to have Senate approve these.

Professor Czubryt said SCAR was recommending that the Centre be renewed for a three-year period. During this period, SCAR would continue to receive periodic updates on progress toward transitioning the Centre to establish an academic department or bringing the activities of the Centre into alignment with the policy on *Academic Centre and Institutes*, in the Centre's Annual Reports to SCAR.

Professor Czubryt MOVED, on behalf of the committee, THAT Senate approve the Report of the Senate Committee on Academic Review including a recommendation that the Centre for Engineering Professional Practice and Engineering Education continue for a period of three years, ending June 23, 2023.

CARRIED

- 3. Report of the Senate Committee on University Research RE: Proposal to Establish a Professorship in Diabetes Research** Page 67

Dr. Glavin said the Rady Faculty of Health Sciences was proposing to establish a Professorship in Diabetes Research, in the Department of Internal Medicine, Max Rady College of Medicine. The Professorship would be supported with revenue from the former Diabetes Foundation of Manitoba / John A. Moorhouse Fellowship fund, which would be designated as the Professorship in Diabetes Research fund. Dr. Glavin noted that the fund had reached the required threshold to support a Professorship.

Dr. Glavin MOVED, on behalf of the committee, THAT Senate approve the Report of the Senate Committee on University Research concerning a proposal to establish a Professorship in Diabetes Research, in the Max Rady College of Medicine, Rady Faculty of Health Sciences.

CARRIED

4. **Reports of the Faculty Executive Committee of the Faculty of Graduate Studies on Course and Curriculum Changes**

a) **RE: Faculty of Education**

Page 73

Acting Dean Simard said the Faculty Executive Committee of the Faculty of Graduate Studies met on January 20, 2020. The Faculty was proposing to delete two courses and to replace these with two new courses, in order to update terminology from “special education” to “inclusive education” in the course titles and descriptions. The revised language was consistent with that used in the area of educational administration, foundations, and psychology. The proposed course deletions and introductions required modifications to two other courses and to the supplemental regulations.

Acting Dean Simard informed Senate that, subsequent to the February 12th Senate Executive meeting, it was noted that corrections were required in several course changes included in the Report, including to add the descriptions of mutually exclusive and pre- and/or corequisite courses in the modified course descriptions, as indicated below.

Deletions:

EDUA 7600 Seminar in Inclusive Special Education	-3 6
EDUA 7650 Field Experience in Inclusive Special Education	-3 6

Introductions:

EDUA 7602 Seminar in Inclusive Education	+3 6
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A forum for the discussion of topics related to inclusive educational issues. The overall goal of the course is to challenge students thinking about inclusive education, reflect on their own practices in light of the topics covered in class, and to encourage growth in their inclusive pedagogic practices. Opportunities will be provided for students to examine issues related to their particular professional and scholarly needs. **May not be held with the former EDUA 7600 or EDUA 7601. Pre- or corequisite: 18 credit hours in Inclusive Education at the 5000 level or equivalent (C+).**

EDUA 7652 Field Experience in Inclusive Education	+3 6
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A minimum of 200 hours of supervised placement in an inclusive education setting. Scheduled seminars facilitate directed study and discussion. **May not be held with the former EDUA 7650 or EDUA 7651. Prerequisite: 18 credit hours at the 5000 level in Inclusive Education or its equivalent (C+). This is a pass/fail course.**

Modifications:

EDUA 7610 Behavioural Issues in Educational Settings	3
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This course is designed to give teachers and school counsellors the necessary theoretical background as well as the practical tools to implement programs for children in conflict. ~~Not to~~ **May not** be held with EDUA 7611. Pre- or corequisite: EDUA 5602 (or the former EDUA 5600)

or EDUA 5601 or EDUA 5680 or EDUA 5681 (C+).

EDUB 7500 Seminar in Science Education

3

A review of current research in science education, and a critical appraisal of current curriculum, pedagogy, and learning developments in science education.

b) RE: Department of Occupational Therapy

Page 83

Acting Dean Simard said the College of Rehabilitation Sciences was proposing the deletion of five courses, the introduction of five courses to replace these, and one course modification. The supplemental regulations would be revised to reflect the course changes. Course titles and descriptions were being revised to better reflect the content and focus of the courses.

c) RE: Department of Psychology

Page 86

Acting Dean Simard said the Department of Psychology was introducing a new course, PSYC 7082 – Intervening with Children and Social Systems. The course, which would be required for clinical psychology students, in the Ph.D. in Psychology, was created to address a need for formal training in therapy and working with more complex systems. The supplemental regulations would be revised to reflect the course introduction.

It was duly MOVED and seconded, THAT Senate approve the Reports of the Faculty Executive Committee of the Faculty of Graduate Studies, effective for the next available term:

- **RE: Faculty of Education;**
- **RE: Department of Occupational Therapy;**
- **RE: Department of Psychology.**

CARRIED, as amended.

**5. Report of the Faculty Council of the Faculty of Science
RE: Proposal for a Bachelor of Science (Major) in Data
Science, Including a Co-operative Option**

Page 91

The Chair informed Senators that two letters of support, one from the Faculty of Arts and one from the Faculty of Engineering had been omitted from the proposal included on the Senate agenda. These supporting documents had been posted on the University Governance webpage as an addendum to item X (5) on the agenda.

Dean Baum said the Faculty of Science was proposing to establish a Bachelor of Science (Major) in Data Science, including a Co-operative Option. The program would be an interdisciplinary program that would draw on expertise in the Departments of Computer Science, Statistics, and Mathematics. There was strong interest in the program from students as well as industry and government.

a) **Report of the Senate Committee on Curriculum and Course Changes** Page 183

Professor Smith said the Senate Committee on Curriculum and Course Changes (SCCCC) had met on October 8, October 10, and December 3, 2019, to consider the proposal. The B.Sc.(Maj.) in Data Science would be a 120 credit hour degree that would build on existing areas of strength within the Faculty by requiring core courses in computer science, mathematics, and statistics. In addition, the program would introduce three courses in the area of data science, including a capstone course. The program would have slightly more rigorous entrance requirements than other Major programs in the Faculty.

Professor Smith said the SCCC had endorsed the program proposal.

b) **Report of the Senate Planning and Priorities Committee** Page 185

Professor Watt said the Senate Planning and Priorities Committee had met on September 30 and November 25, 2019, to consider the proposal. He observed that the proposed B.Sc.(Maj.) in Data Science would be the only degree in this discipline offered in the province. There would be an initial intake of fifty students into the program, with a maximum enrolment target of 100 students, which the Faculty anticipated it would reach by Year 5.

Professor Watt said resources would be required, on an ongoing basis, to upgrade and renew computers and software required for the program. The Faculty otherwise would rely on existing infrastructure, including computers and software.

Professor Watt said, on the basis of the SPPC's criteria for assigning priority to new programs / initiatives, the committee was recommending that a high priority level be assigned to the proposal for a B.Sc. (Maj.) in Data Science. The SPPC had endorsed the proposal, with a recommendation that the Provost and Vice-President (Academic) not implement the program until satisfied there would be sufficient space and sufficient funding to support the ongoing operation of the program.

c) **Report of the Senate Committee on Instruction and Evaluation** Page 188

The Chair indicated that Dr. Torchia, Chair, Senate Committee on Instruction and Evaluation (SCIE), was not available to attend the meeting. He invited Dean Mandzuk to speak to the Report.

Dean Mandzuk said SCIE had met on October 17, 2019, to consider the academic regulations for the program. To enter the program, students would be required to complete at least 24 credit hours with a minimum Degree Grade Point Average of 2.0 and a minimum grade of "C+" in COMP 1020, MATH 1232 (or MATH 1700 or MATH 1710) and STAT

1150. A minimum Degree Grade Point Average of 2.0 would also be required to continue in the program. Graduation requirements included a minimum Degree Grade Point Average of 2.0, passing grades in all courses, and a minimum grade of "C" in all required and optional courses that contribute to the Major. The Co-operative Option would have the same entrance requirements, but with a higher minimum Degree Grade Point Average of 2.5, which would also be required to continue in the Co-operative Option.

Dean Mandzuk said SCIE was recommending that Senate approve the proposal for a B.Sc.(Maj.) in Data Science.

Dean Baum MOVED, THAT Senate recommend that the Board of Governors approve a proposal to establish a Bachelor of Science (Major) in Data Science, including a Co-operative Option, Faculty of Science.

Referring to Sections C-4 and C-5 of the program proposal form, Professor Lastra said the University of Winnipeg had recently approved a data science program that would be offered in the Fall 2020, and the Universities of Toronto and Waterloo also offered programs in data science.

The Chair proposed that these observations might be used to frame the proposal moving forward, if appropriate.

CARRIED

XI ADDITIONAL BUSINESS - none

XII ADJOURNMENT

The meeting was adjourned at 2:19 p.m.

These minutes, pages 1 to 14, together with the agenda, pages 1 to 188, the addendum to the agenda, pages 1 to 3, and the presentation, *Office of the Vice-President (Indigenous)*, comprise the minutes of the meeting of Senate held on March 4, 2020.

Office of the Vice-President (Indigenous)

**Presentation to Senate
March 4, 2020**

Dr. Catherine Cook



**University
of Manitoba**

Overview

- Background – Recommendations from the Review of Indigenous Senior Leadership
- Actions to date
- Next Steps



Indigenous Senior Leadership

- August 2019 - Report to the Provost
- October 2019 - Appointment of VP (Indigenous)
- January 2020 – VP (Indigenous) begins at half time
- April 2020 – VP (Indigenous) full time
- Pending – Establishment of Elders Advisory/Indigenous Implementation Committee – to guide the implementation of the recommendations – will be reviewed annually and will have a specific time frame



Actions to Date

- Project Development and Consultation
 - Based on Recommendations from the Report on Senior Indigenous Leadership
 - Recommendations are themed
 - Project Charters will be co-sponsored by the Presidents Office and University Secretary and by each of the Vice Presidents



1. Indigenous Representation in University Governance, and Executive and Senior Leadership (Presidents Office)

Success will look like

- Representation of Indigenous peoples in University Governance, Executive and in Senior Leadership specific to advancing Indigenous achievement & engagement.
- UM community members engaged in training, as called for by the TRC' Call To Action #57 and is ongoing



2. Indigenous Leadership and Community

Success will look like:

- The role of the Vice-President (Indigenous) is supported with a leadership team, who work together to lead the wider UM community to understand, engage in, and advance the university's commitments and goals with the Indigenous community
- UM community is accountable through a public reporting process.
- Together we will work towards addressing matters that directly affect Indigenous peoples.



3. Faculty Partners for Reconciliation

**Office of the Provost and Vice President
(Academic)**

Success will look like:

- Faculty leadership understands, internalizes and takes responsibility for their role in acting on the TRC's Calls to Action.
- Faculties are participating fully in working toward Reconciliation with humility; they are held accountable through public reporting and come together to share successes.



4. Supportive Environment for Indigenous Faculty, Students, Staff and Guests

Office of the Vice President (Administration)

Success will look like:

- Supports, policies and procedures are in place for a safe and healthy work and learning environment for Indigenous students, staff and faculty.
- Anti-Indigenous racism is not tolerated and incidents are addressed with the safety & well-being of Indigenous community members as the highest priority.
- A strategy for recruiting, recognizing, respecting and retaining Indigenous employees is developed and implemented.



5. Recognition of the Indigenous Peoples and Allies Advancing Indigenous Engagement at UM

Office of the Vice President (External Relations)

Success will look like:

- There are positions in External Relations dedicated to fundraising for Indigenous students' supports, initiatives, research matters, etc.
- Communications about the advancement of Indigenous achievement/engagement at UM recognize Indigenous individuals that lead the work.



6. Research that is Respectful of Indigenous Peoples and Context

Office of the Vice President (Research and International Affairs)

Success will look like:

- University of Manitoba research community partners with First Nation, Métis, and Inuit Peoples to generate research outcomes that are of shared value, and to develop research relationships with communities and the University.



Next Steps

- Partnering with Key Stakeholders and our Indigenous Community to achieve our joint goals and outcomes
- Collaborating as the President's Executive Team to achieve the joint goals and outcomes.
- Establishing a process to update UM Community on progress; transparency is imperative.





**University
of Manitoba**