Draft Minutes of the Sixth Meeting of Senate
Friday, April 8, 2022
3:00–5:00 pm
Alumni Hall and Via Zoom

Present: G. Keefe (Chair), D. Sutton (Secretary to Senate), R. Bissessur, A. Braithwaite, M. Buote, E. Côté, R. Dennis, L. Doiron, A. Doyle, N. Etkin, G. Evans, A-M. Fitzgerald, K. Gottschall-Pass, N. Kujundzic, M. LeClair, B. Linkletter, J. MacDonald, A. MacKenzie, T. Mady, J. McIntyre, K. Mears, T. Miller, W. Montelpare, D. Moses, C. Murray, T. Ngo, W. Peters, J. Podger, R. Raiswell, J. Spears, J. Stewart, B. Stoughton, A. Trivett, J. VanLeeuwen, B. Waterman, S. Zavala, A. Zinck, M. Arfken

Regrets: T. Carroll, D. Coll, C. Lavoie, C. Ryan

Recorder: S. O'Connor

President Greg Keefe called the meeting to order at 3:01 pm, welcomed everyone and provided a land acknowledgement. He noted that guests are welcome to attend Senate and explained that only Senators are permitted to contribute to discussions unless called upon by the Chair. Each Senator will take turns asking questions about a particular item, then they will cede the floor to other Senators so that all have the ability to speak.

1.   **Approval of Agenda**
      MOTION (W. Waterman/N. Etkin) to approve the agenda as presented. CARRIED.
      L. Doiron noted that the agenda did not include "Other Business" as he had mentioned in the last Senate meeting.

      K. Gottschall-Pass responded that anything to be discussed is submitted ahead of time. She read from page two of the UPEI Senate Processes and Procedures document where it states;

      "*Agenda items and their documentation are to be sent to the Secretary of Senate at least 10 days before a regular meeting. Normally, all necessary documentation will be sent to Senate members 7 days prior to the meeting, otherwise that item will be moved to the next regular meeting.*"

      L. Doiron stated that there should be an opportunity to ask 2/3 of membership to add an item to the agenda.

      President Keefe said that if time permits, this will be revisited later in the meeting to see if there is a 2/3 majority (as laid out in the procedures) to add L. Doiron's item to the agenda.

2.   **Approval of Minutes – March 11, 2022**
      MOTION (T. Mady/R. Bissessur) to approve the minutes of March 11, 2022 as presented. CARRIED.

      President Keefe informed Senators that K. Mears had submitted an amendment to the minutes prior to this meeting. He asked her to read her amendment aloud.

K. Mears informed Senators that on page five of the March 11, 2022 minutes, under ii. Procedures of the Senate, she would like to have the paragraph immediately following the motion be replaced with the following:

> "*K. Mears inquired about the possibility of an ad hoc committee being responsible for reviewing Senate policies and procedures as opposed to one person. Currently, there is not an avenue for Senators to participate in the process of updating the processes and procedures. K. Gottschall-Pass responded that many existing Senate committees are consulted in this process. K. Mears responded that if the only avenue to participate is through contacting committee members, it would be a challenge because the membership documents on the Senate website are not kept up to date. K. Mears volunteered to participate in a group to complete the task. President Keefe commented that it would be practical to create a subgroup to support K. Gottschall-Pass in this undertaking.*"

President Keefe confirmed that this amendment will be added to the minutes.

L. Doiron commented on the "Approval of Agenda" section of the March 11, 2022 minutes, where it captures, as per his request, that he voted against the agenda. It includes, also as he requested, the reason for his vote, which was that "he was declined in adding an item to the agenda." He asked to have the minutes include what he was told in response to his proposal to add an item.

In addition, L. Doiron would like to see his suggestion of flying UPEI flags at half-mast on campus be reflected in the March 11, 2022 minutes.

A. Braithwaite included that if L. Doiron's flag suggestion is added to the minutes, she requests that her statement of opposition be included as well.

3. **President's Report**
    COVID-19
    President Keefe reported that the UPEI COVID-19 team recently consulted with the UPEI Joint Occupational Health and Safety committee regarding post-April 30th operations. While there was no consensus among those consulted, the team felt to continue with a cautionary approach. Therefore, the decision was made to have masking remain in place for the first summer session (to June 21st). Masks will not be required, however, when individuals are seated and are at least six feet away from others.

    Regarding vaccination status, President Keefe congratulates all who have received their vaccinations (including booster shots) as it is clear that vaccination does impact the severity of disease. With the public health emergency legislation lifted, UPEI will no longer be monitoring vaccination status after April 30th. This is subject to change depending on the trajectory of COVID-19 and UPEI continues to encourage vaccination.

    Medical School
    The team from Memorial was here prior to the last Senate meeting and we continue to work with them as well as with community members. A new website for the Medical School (URL www.upei.ca/medicine) was launched earlier this week, it will provide progress updates. He reported that the Board of Governors has approved the location of the Medical School building, adding that UPEI faculties integral to the Medical program were involved in this decision. The approved site is on the north campus, close to Alumni Hall. There, it will be connected to the

new road, which offers easy access to the public. This is a key component that other potential sites on campus could not provide.

Quality Assurance
President Keefe congratulated VP Academic and Research, K. Gottschall-Pass, and Charlotte McCardle for their time and effort in executing UPEI's quality assurance processes and reviews. He was pleased to share that UPEI is now up to date on internal quality assurance reviews.

Network Modernization Project
The President asked D. Sanderson to update Senate on the Network Modernization Project.

D. Sanderson reported that the remediation (wiring) is moving along smoothly and that all 30 buildings will be complete in the summer pending any issues with delivery of some switching gear (expected in June).

The original plan was to have at least 715 wireless access points, up from the existing 200, by this summer. We are, however, facing supply chain issues and components that were expected by now but will not be delivered until late fall. We continue to push suppliers for alternatives, but this is as broad-based issue. Despite this challenge, we will have approximately 500 access points which is 2.5 times as many as we initially had and about 70% to our overall goal by this summer. It is not ideal, but it is what we can accomplish in the current environment.

We are upgrading the wired connections as well. Users should use the wired connection available to them rather than unnecessarily using the more limited bandwidth on the wireless system. This is good internet etiquette, so we ask that everyone practice this and encourage your peers to do so as it allows for more bandwidth.

B. Linkletter asked about the ability to use the UPEI wired network on a personal device.

D. Sanderson responded that we currently do not have that capability, however it is possible to investigate how this can be accommodated when the new network is fully oprational.

Residence
President Keefe reported that the new residence continues to move along on schedule. He added that he recently attended an event for Canada Games where they announced they have 2,000 volunteers of their goal of 5,000. He, therefore, encourages participation in volunteering for Canada Games. Also, the classroom spaces in the new residence should be available for winter 2023.

Development
Summer reunions are being planned on campus and participation is encouraged.

Sexual Violence Prevention
President Keefe notified Senators that sexual violence prevention training will now be mandatory for incoming first-year students. This will also be the case for allstudent-athletes and students in residence. The training will be online, and it will also be mandatory for UPEI managerial staff and administrators as well. He applauded A. MacKenzie for his leadership in this project and asked him to weigh in on the topic.

A. MacKenzie shared that the UPEI Student Union is very much in favor of this new training

requirement and is looking into extended it to Student Union staff as well and students in clubs that fall under UPEISU. President Keefe also thanked Jackie Podger, Eileen Conboy and Karen Morse for their work on this as well.

Athletics
President Keefe acknowledged the success of the women's basketball team and the women's hockey team. The basketball team for participating in the U SPORTS Women's Basketball Nationals and the hockey team for hosting the U SPORTS Women's Hockey National Championship. Special thanks goes to Jane Vessey and Nicole Phillips for their roles in hosting the hockey championship event.

Budget 2022-2023
President Keefe shared that the Board of Governors has approved the budget for the upcoming fiscal year, it will be available soon. The Province has given UPEI a 2 per cent increase in funding, which is well below growth in expenses, but it is consistent and reasonable compared to similar institutions in the region.

UPEI received start-up funding for the Faculty of Indigenous Knowledges Education Research and Applied Studies. An additional $675,000 has been received from the Province to support the hiring of faculty and we are grateful for that.

Support from the provincial government has allowed us to keep our tuition increases minimal. There will be a tuition increase of 2% but no increase in student fees and we have a balanced budget.

Vice President Academic and Research
President Keefe applauded Dr. Gottschall-Pass for her tremendous leadership in the past years as interim Vice President Academic and Research thanking her for shepherding the academic at UPEI. Many Senators included words of thanks in the chat section of the Zoom meeting.

L. Doiron responded to the 2 per cent increase from the Province stating that this appears to be a low number considering current inflation and interest rates.

President Keefe agreed that UPEI could use a higher increase and added that AVC's increase is 1 per cent due to a current funding agreement. He added that, while 2 per cent is not ideal, there was an increase to the George Coles bursary, which benefits our students. Also, we see that other Canadian institutions are only receiving 1 per cent increases and are even facing cuts. We do, however, lobby to try to increase support.

K. Gottschall-Pass added that it is important to speak to MLA's and electoral candidates about UPEI's need for increased government funding.

 A. Trivett asked how much of the 2 per cent increase from the government would be covering the lawyer from Halifax who is the lead negotiator for the university in faculty negotiations. He estimated that cost would be somewhere near the million-dollar mark.

President Keefe said that he would not be commenting on this remark as it is a Board of Governors issue not an issue for Senate.

M. Buote asked about number limits for campus gatherings over the summer.

President Keefe responded that UPEI will be open to having events of a more normal nature. We will continue to follow the Province with respect to maximum numbers for group gatherings.

J. Spears asked for guidance on high-risk populations. President Keefe said that we will continue to use our masks when we cannot socially distance and will also continue with other COVID best practices such as hand washing hygiene.

4. **Students Applying to Graduate Before Convocation**

There are currently no students applying to graduate before convocation.

5. **Senate Reports**
   a. **Academic Planning and Curriculum Committee**
      i. **Fifth Curriculum Report**

   Faculty of Arts
   1) **MOTION (K. Gottschall-Pass/N. Kujundzic) to delete PSY 3220 Advanced Research Methods in Social Psychology, be approved as proposed. CARRIED** (See details in the attached Curriculum Report—Page 4)

   2) **MOTION (K. Gottschall-Pass/N. Kujundzic) to change the title of PSY 3520 Abnormal Psychology to Psychological Disorders, be approved as proposed. CARRIED**
   (See details in the attached Curriculum Report—Page 5)

   3) **MOTION (K. Gottschall-Pass/N. Kujundzic) to have the course description and title for PSY 3420, be approved as proposed. CARRIED**
   (See details in the attached Curriculum Report—Page 6)

   4) **MOTION (K. Gottschall-Pass/N. Kujundzic) to have PSY 3860, Buddhist Psychology, added to the Critical and Historical Perspectives subject area, be approved as proposed. CARRIED**
   (See details in the attached Curriculum Report—Page 7)

   5) **MOTION (K. Gottschall-Pass/N. Kujundzic) to have the change in the pre-requisite for Economics 3030 be approved as proposed. CARRIED**
   (See details in the attached Curriculum Report—Page 8)

   6) **MOTION (K. Gottschall-Pass/N. Kujundzic) to have the change in the pre-requisite for Economics 3080 be approved as proposed. CARRIED**
   (See details in the attached Curriculum Report—Page 9)

   Faculty of Business
   7) **MOTION (K. Gottschall-Pass/T. Mady) that a new course BUS 3852 Modern Business Communications be approved as proposed. CARRIED**
   (See details in the attached Curriculum Report—Pages 11-14)

Faculty of Engineering

8) **MOTION (K. Gottschall-Pass/W. Peters) that SDE 8031 course for the FSDE graduate program be approved as proposed. CARRIED**
    (See details in the attached Curriculum Report—Pages 16-20)

9) **MOTION (K. Gottschall-Pass/W. Peters) that SDE 8061 course for the FSDE graduate program be approved as proposed. CARRIED**
    (See details in the attached Curriculum Report—Pages 21-25)

10) **MOTION (K. Gottschall-Pass/W. Peters) that SDE 8062 course for the FSDE graduate program be approved as proposed. CARRIED**
    (See details in the attached Curriculum Report—Pages 26-30)

11) **MOTION (K. Gottschall-Pass/W. Peters) that SDE 8063 course for the FSDE graduate program be approved as proposed. CARRIED**
    (See details in the attached Curriculum Report—Pages 31-35)

12) **MOTION (K. Gottschall-Pass/W. Peters) that SDE 8070 course for the FSDE graduate program be approved as proposed. CARRIED**
    (See details in the attached Curriculum Report—Pages 36-40)

13) **MOTION (K. Gottschall-Pass/W. Peters) that SDE 8081 course for the FSDE graduate program be approved as proposed. CARRIED**
    (See details in the attached Curriculum Report—Pages 41-45)

14) **MOTION (K. Gottschall-Pass/W. Peters) that SDE 8101 course for the FSDE graduate program be approved as proposed. CARRIED**
    (See details in the attached Curriculum Report—Pages 46-50)

Faculty of Graduate Studies

15) **MOTION (K. Gottschall-Pass/R. Bissessur) to revise the admission requirements for the Doctor of Applied Health be approved as proposed. CARRIED**
    (See details in the attached Curriculum Report—Pages 52-54)

Faculty of IKERAS

16) **MOTION (K. Gottschall-Pass/G. Evans) to approve the addition of a new calendar entry for a Minor in Indigenous Studies be approved as proposed. CARRIED**
    (See details in the attached Curriculum Report—Pages 56-57)

17) **MOTION (K. Gottschall-Pass/G. Evans) that a new Minor Core course entitled IKE-2000 IKERAS Foundations be approved as proposed. CARRIED**
    (See details in the attached Curriculum Report—Pages 58-60)

18) **MOTION (K. Gottschall-Pass/G. Evans) that a new course entitled IKE-2010 Mi'kmaq Language I be approved as proposed. CARRIED**
    (See details in the attached Curriculum Report—Pages 61-63)

19) **MOTION (K. Gottschall-Pass/G. Evans) that a new Minor Core course entitled IKE-2020 Indigenous Peoples in Canada be approved as proposed. CARRIED**
(See details in the attached Curriculum Report—Pages 64-66)

20) **MOTION (K. Gottschall-Pass/G. Evans) that a new course entitled IKE-2030 Indigenous Knowledge and Climate Change be approved as proposed. CARRIED**
(See details in the attached Curriculum Report—Pages 67-69)

21) **MOTION (K. Gottschall-Pass/G. Evans) that a new course entitled IKE-2042 Introduction to Indigenous Music, Film, and Art be approved as proposed. CARRIED**
(See details in the attached Curriculum Report—Pages 70-72)

22) **MOTION (K. Gottschall-Pass/G. Evans) that a new course entitled IKE-2046 Indigenous Literature be approved as proposed. CARRIED**
(See details in the attached Curriculum Report—Pages 73-75)

23) **MOTION (K. Gottschall-Pass/G. Evans) that a new course entitled IKE-2055 Introduction to the Indian Act be approved as proposed. CARRIED**
(See details in the attached Curriculum Report—Pages 76-78)

24) **MOTION (K. Gottschall-Pass/G. Evans) that a new course entitled IKE-2060 Indigenous Food across Turtle Island be approved as proposed. CARRIED**
(See details in the attached Curriculum Report—Pages 79-81)

25) **MOTION (K. Gottschall-Pass/G. Evans) that a new course entitled IKE-3065 Indigenous Health, Healing and Wellness be approved as proposed. CARRIED**
(See details in the attached Curriculum Report—Pages 82-84)

26) **MOTION (K. Gottschall-Pass/G. Evans) that a new course entitled IKE 3090 Special Topics Course be approved as proposed. CARRIED**
(See details in the attached Curriculum Report—Pages 85-88)

27) **MOTION (K. Gottschall-Pass/G. Evans) that a new course entitled IKE-3062 Introduction to Indigenous Knowledge and Worldviews be approved as proposed. CARRIED**
(See details in the attached Curriculum Report—Pages 89-91)

K. Mears asked if there is an update on having the human resources in place to instruct these courses.

G. Evans said that there are a number of applicants for these positions and he is confident UPEI will have the instructors required.

Faculty of Nursing
28) **MOTION (K. Gottschall-Pass/J. MacDonald) to revise the Admission Requirements for the Bachelor of Science in Nursing be approved as**

proposed. CARRIED
(See details in the attached Curriculum Report—Pages 93-100)

29) **MOTION (K. Gottschall-Pass/J. MacDonald) to revise the Admission Requirements for the Accelerated Bachelor of Science in Nursing be approved as proposed. CARRIED**
(See details in the attached Curriculum Report—Pages 101-105)

A. Braithwaite asked if increasing admissions to 70 students was already announced in the fall.

J. MacDonald affirmed this was correct.

<u>Faculty of Science</u>

30) **MOTION (K. Gottschall-Pass/N. Etkin) that a new course entitled FN 2820 Food Systems: Food Production and Processing be approved as proposed. CARRIED**
(See details in the attached Curriculum Report—Pages 108-110)

31) **MOTION (K. Gottschall-Pass/N. Etkin) that a new course entitled FN 4020 Advanced Foods II be approved as proposed. CARRIED**
(See details in the attached Curriculum Report—Pages 111-113)

32) **MOTION (K. Gottschall-Pass/N. Etkin) to have the change in the calendar entry for the Foods and Nutrition Program be approved as proposed. CARRIED**
(See details in the attached Curriculum Report—Pages 114-120)

33) **MOTION (K. Gottschall-Pass/N. Etkin) that the course description and title change for PHYS 2630 be approved as proposed. CARRIED**
(See details in the attached Curriculum Report—Page 121)

34) **MOTION (K. Gottschall-Pass/N. Etkin) that the change in pre-requisite as proposed for ACC 3040 CLIMATE CHANGE STATISTICS IN R be approved as proposed. CARRIED**
(See details in the attached Curriculum Report—Page 122)

35) **MOTION (K. Gottschall-Pass/L. Doiron) that a new course entitled AMS 3140 Probability for Actuaries be approved as proposed. CARRIED**
(See details in the attached Curriculum Report—Pages 123-125)

36) **MOTION (K. Gottschall-Pass/L. Doiron) that a new course entitled AMS 3420 - Introduction to Financial Derivatives be approved as proposed. CARRIED**
(See details in the attached Curriculum Report—Pages 126-127)

37) **MOTION (K. Gottschall-Pass/L. Doiron) that a new course entitled AMS 4450 Statistics for Risk Modeling be approved as proposed. CARRIED**
(See details in the attached Curriculum Report—Pages 128-129)

38) **MOTION (K. Gottschall-Pass/L. Doiron) to have the change in prerequisite for AMS 4080 Financial Mathematics II be approved as proposed. CARRIED**
(See details in the attached Curriculum Report—Page 130)

39) **MOTION (K. Gottschall-Pass/L. Doiron) to have the changes to the requirements for a Major in Actuarial Science be approved as proposed. CARRIED**
(See details in the attached Curriculum Report—Pages 131-132)

40) **MOTION (K. Gottschall-Pass/L. Doiron) to have the changes to the Requirements for a Major in Actuarial Science with Pre-Professional Specialization Stream be approved as proposed. CARRIED**
(See details in the attached Curriculum Report—Pages 133-135)

41) **MOTION (K. Gottschall-Pass/L. Doiron) that the note referencing an Assessment Test be deleted from the Math 1910 description be approved as proposed. CARRIED**
(See details in the attached Curriculum Report—Pages 136-137)

42) **MOTION (K. Gottschall-Pass/L. Doiron) that the updated entry describing Admission to Science Calculus be approved as proposed. CARRIED**
(See details in the attached Curriculum Report—Pages 138-139)

43) **MOTION (K. Gottschall-Pass/L. Doiron) that the pre-requisite addition of CS 2910 for CS 3110 be approved as proposed. CARRIED**
(See details in the attached Curriculum Report—Page 140)

44) **MOTION (K. Gottschall-Pass/L. Doiron) that the pre-requisite addition of CS 2910 for CS 3130 be approved as proposed. CARRIED**
(See details in the attached Curriculum Report—Page 141)

45) **MOTION (K. Gottschall-Pass/) that the pre-requisite addition of CS 2910 for CS 3520 be approved as proposed. CARRIED**
(See details in the attached Curriculum Report—Page 142)

46) **MOTION (K. Gottschall-Pass/L. Doiron) that the pre-requisite addition of CS 2910 for CS 3610 be approved as proposed. CARRIED**
(See details in the attached Curriculum Report—Page 143)

47) **MOTION (K. Gottschall-Pass/L. Doiron) that the pre-requisite addition of CS 2910 for CS 3620 be approved as proposed. CARRIED**
(See details in the attached Curriculum Report—Page 144)

48) **MOTION (K. Gottschall-Pass/L. Doiron) that the pre-requisite addition of CS 2910 for CS 3710 be approved as proposed. CARRIED**
(See details in the attached Curriculum Report—Page 145)

49) **MOTION (K. Gottschall-Pass/L. Doiron) that the pre-requisite addition of CS 2910 for CS 4110 be approved as proposed. CARRIED**
(See details in the attached Curriculum Report—Page 146)

50) **MOTION (K. Gottschall-Pass/L. Doiron) that the pre-requisite addition of CS 2910 for CS 4120 be approved as proposed. CARRIED**
(See details in the attached Curriculum Report—Page 147)

51) **MOTION (K. Gottschall-Pass/L. Doiron) that the pre-requisite addition of CS 2910 for CS 4350 be approved as proposed. CARRIED**
(See details in the attached Curriculum Report—Page 148)

52) **MOTION (K. Gottschall-Pass/L. Doiron) that the pre-requisite addition of CS 2910 for CS 4440 be approved as proposed. CARRIED**
(See details in the attached Curriculum Report—Page 149)

53) **MOTION (K. Gottschall-Pass/L. Doiron) that the pre-requisite addition of CS 2910 for CS 4610 be approved as proposed. CARRIED**
(See details in the attached Curriculum Report—Page 150)

54) **MOTION (K. Gottschall-Pass/L. Doiron) that the pre-requisite addition of CS 2910 for MCS 3320 be approved as proposed. CARRIED**
(See details in the attached Curriculum Report—Page 151)

L. Doiron noted that a change was missed for the program of financial mathematics and asked if it would it be too late to send to APCC.

It was decided that the change must be submitted to the Science Council for their meeting on Monday, April 11th in order to submit it to APCC in time.

Registrar's Office

55) **MOTION (K. Gottschall-Pass/G. Evans) to update Academic Regulation #1 section h to include IKE-1040 as an undergraduate degree requirement be approved as proposed. CARRIED**
(See details in the attached Curriculum Report—Page 153)

56) **MOTION (K. Gottschall-Pass/G. Evans) to update the ELP requirements for Undergraduate Studies section of the Calendar and to add additional acceptable assessments be approved as proposed. CARRIED**
(See details in the attached Curriculum Report—Pages 154-157)

57) **MOTION (K. Gottschall-Pass/G. Evans) to update the ELP requirements for Graduate Studies section of the Calendar and to add additional acceptable assessments be approved as proposed. CARRIED**
(See details in the attached Curriculum Report—Pages 158-161)

58) **MOTION (K. Gottschall-Pass/G. Evans) to create a new Graduate Academic Regulation #16 The Thesis to guide the requirements for Thesis/Dissertation and Project Reports be approved as proposed. CARRIED**
(See details in the attached Curriculum Report—Pages 162-163)

59) **MOTION (K. Gottschall-Pass/G. Evans) to remove program level reference to Thesis requirements and reference a single Graduate**

Regulation for Thesis be approved as proposed. CARRIED
(See details in the attached Curriculum Report—Pages 164-166)

60) **MOTION (K. Gottschall-Pass/G. Evans) to remove program level reference to Thesis requirements and reference a single Graduate Regulation for Thesis be approved as proposed. CARRIED**
(See details in the attached Curriculum Report—Pages 167-170)

61) **MOTION (K. Gottschall-Pass/G. Evans) to add reference to a single Graduate Regulation for Thesis be approved as proposed. CARRIED**
(See details in the attached Curriculum Report—Pages 171-172)

62) **MOTION (K. Gottschall-Pass/G. Evans) to add reference to a single Graduate Regulation for Thesis be approved as proposed. CARRIED**
(See details in the attached Curriculum Report—Pages 173-174)

63) **MOTION (K. Gottschall-Pass/G. Evans) to add reference to a single Graduate Regulation for Thesis be approved as proposed. CARRIED**
(See details in the attached Curriculum Report—Pages 175-176)

64) **MOTION (K. Gottschall-Pass/G. Evans) to remove program level reference to Thesis requirements and reference a single Graduate Regulation for Thesis be approved as proposed. CARRIED**
(See details in the attached Curriculum Report—Pages 177-180)

Regarding Motion #55, A. Braithwaite stated that a new mandatory course warrants discussion, and although she admitted to sounding like a "white settler," she voiced concern about a new mandatory course for students. She stated that her concern is not based on content, it is about instructor, classroom, office space and resource implications. She is worried about the optics of offering a mandatory course through a sessional lecturer, recalling what happened in the past with the mandatory Global Issues course. She fears that we are headed towards repeating that "fiasco." She iterated that she wants this to succeed, but in an attempt to rectify a huge historical wrong, are we moving too fast and getting ahead of ourselves?

G. Evans stated that he appreciates Anne's concerns, however, they have already been considered. He shared that there will be a number of full-time professors hired for the IKERAS faculty. He and his colleagues have looked at all of this very closely and have all confidently agreed that this is the right and necessary thing to do and the time to do it is now, not down the road. This is a course that will be in great demand.

A. Trivett recalled the controversy among the student body regarding the Global Issues course. He recounted how students had very poor attitudes about it being forced upon them. He shared that he is frightened that the same thing will happen in this case. He suggested making IKE-1040 an elective for now to see how it goes, then changing it to be mandatory after we know that it is the best course students have ever taken. He added that he was willing to be a demo student over the summer.

K. Gottschall-Pass informed A. Trivett that there are two sections of this course

being offered this summer which he is welcome to register for.

G. Evans shared that similar content has been offered as a graduate course and every student had voiced that they wished this course had been offered before. He said that the students want it, and they are excited about it.

M. Arfken drew attention to several Indigenous colleagues moving on in the last few years and he would like to know if we have gotten to the bottom of that and do we currently have a supportive environment.

K. Gottschall-Pass pointed out that the creation of the IKERAS faculty has been a step in the right direction regarding this and they have been doing a tremendous amount of work together in the last several months.

G. Evans stated that former Indigenous instructors were part of the initial discussions surrounding this faculty and they continue to be in contact with current Indigenous faculty. He stated, "We are in a very different place than we were before. We have been meeting weekly--this is not just something out of the blue."

B. Linkletter shared that he felt Global Issues was a top-down decision but is happy to see that this is more of a bottom-up process. However, he could see classroom availability being a problem.

K. Gottschall-Pass explained that classroom availability was considered as they put courses on the timetable. The faculty has been very purposeful in avoiding high-volume times—they even offer a course on Saturdays.

W. Peters commented that in his faculty, when new courses went to Senate, no one asked about the quality of the courses or shared that they wanted them to be "the best." He emphasized the need for consistency. He stated that he has full confidence in his colleagues and asked that if the real issue is about the course being mandatory, could the focus remain on that. He also shared that he believes this is the right thing for UPEI to be doing at this time.

C. Murray echoed Wayne's sentiment. She stated that she is 100 per cent in favor of this course and the program. She believes this is an historical moment and that UPEI students will be better people and better citizens because of it. She too conveyed full faith in her colleagues. She added that honouring truth and reconciliation is an integral part of UPEI's Nursing faculty. In fact, numerous Nursing faculty are asking how they can be part of this in terms of learning.

N. Kujundzic stated that he would also like to echo what Wayne and Christina shared. In the Faculty of Arts, the Mi'kmaq language has been offered and he finds it thrilling that it is part of the new IKERAS faculty—a wonderful start.

L. Doiron then asked what constitutes "fully indigenous" for UPEI.

G. Evans responded, saying that he recently attended a two-day workshop with First Nations University of Canada on this very topic. While it would be difficult to quickly answer Louis' question with the knowledge he acquired over the two days, he would be more than happy to sit down with him to share the criteria for being Indigenous. Gary added that UPEI's job postings include the requirement of

providing proof of Indigenous capacity.

M. Buote asked if we know if there is high student buy-in and do we have a student perspective.

A. MacKenzie shared that, while he has not heard a lot about this course personally, he has heard that people are very excited about it and are looking forward to taking it.

M. LeClair added that the only concern she has is regarding the number of sections, but that students are excited about this being offered.

M. Buote asked that if there are logistical issues with delivery and will students be able to easily take it before graduating?

K. Gottschall-Pass responded that students are encouraged to take the course as early as possible. She added that Senate can always change the academic regulation if it becomes an issue.

K. Mears inquired about the number of faculty currently hired and asked why there are term positions instead of permanent faculty positions.

President Keefe shared that there are three tenure track faculty positions in the Faculty of Indigenous Knowledge Education Research and Applied Studies. Through the aforementioned funding from the Province, UPEI is able to hire three additional term faculty with the vision to see this faculty grow. These positions can move into tenure track. The current budget does not allow us to do it all at one time, so it is a bridging as the faculty grows. We also see it growing beyond six faculty members. With respect to sessionals, there are strong, well-qualified Indigenous people who can instruct as well.

K. Mears then asked what the current complement is. She also commented that there are no new librarians to support this new faculty. She suggested an Indigenous librarian or a Knowledge Keeper.

N. Etkin conveyed her support for IKERAS, stating that she echoes what W. Peters eloquently stated. She reminded Senate of UPEI's quality control processes and procedures including that, although we have growing pains, we have learned from the past. This is one of the reasons we have summer sessionals. In the Faculty of Science, we look at courses being accommodated and sometimes changes are required. She also shared that she sees others making room for this new mandatory course.

D. Moses mentioned, in response to K. Mears, that there is a librarian with a liaison responsibility who has met with G. Evans. This person is working with the IKERAS faculty at this time.

6. **Other Business**
    a. **Campus Update**
        i. **Convocation**
            K. Gottschall-Pass shared the dates for convocation and referred to the motion circulated with the agenda. She shared that the rationale for

requesting this motion is due to the fact that the final day for submission of grades is the Friday before May 2nd, which does not give the Registrar's office enough time to have the information ready for Senate.

MOTION (K. Gottschall-Pass/L. Doiron) that the May Senate meeting be moved from Monday, May 2, 2022 to Thursday, May 5, 2022 to allow for the time needed to receive the list of graduands for Convocation 2022. CARRIED

MEETING MOVED TO IN CAMERA

The interim Associate Vice-President Research and Dean of Graduate Studies left the meeting.

ii. **Dean Searches**
President Keefe stated that he is pleased to start the process of filling Dean and Associate Vice President positions. Dr. Greg Naterer will take over as committee chair when he commences his position as VP Academic and Research on May 1st.

K. Gottschall-Pass explained that the original Associate VP and Dean Search Committee has only one member able to continue, Don Desserud from the Faculty of Arts. She had therefore asked the Deans of each faculty with graduate programming to offer names for committee members. The committee requires three faculty members from three different faculties and two additional students. The faculty members will be selected first, then the Student Union can help to populate the graduate students considering factors such as EDI.

K. Gottschall-Pass then directed voting Senators to click on the link provided in the Zoom chat to place their votes for the names that were brought forward, keeping diversity top of mind. The e-vote included the following:

Marya Amhed - Faculty of Science
Chelsea Martin – Faculty of Veterinary Medicine
Gail Macartney - Faculty of Nursing
Christian LaCroix - Faculty of Science
Anne Marie Fitzgerald - Faculty of Education
Don Wagner - Faculty of Business

MEETING RETURNED TO OPEN SESSION

President Keefe then directed the meeting back to L. Doiron's requested agenda item. He asked that he state what he specifically wanted added to the agenda. L. Doiron answered that he would like to see a motion to have the Ukrainian flag flown in support of the Ukraine people.

President Keefe then asked for a roll-call vote on whether Senators would like to have this motion added to the agenda. 16 voted for and 15 voted against. Because the vote did not result in a minimum 2/3 majority, the item was not added to the agenda.

7.   <u>**Adjournment**</u>

Motion (L. Doiron) that the meeting be adjourned at 4:53 pm. CARRIED.

Respectfully submitted,

Donna Sutton
Secretary of Senate

Fifth Curriculum Report
March 22, 2022 (APCC)
April 8, 2022 (Senate)

SUMMARY OF FACULTY OF ART MOTION #'S 1-6

Faculty of Arts APCC Submissions

March 2022

Psychology Department

1. PSY 3320 – Course Deletion
2. PSY 3520 – Course Title Change
3. PSY 3420 – Calendar Entry Change
4. PSY 3860 – Calendar Entry Change

Economics Department

5. ECON 3030 – Pre-requisite Addition/Change
6. ECON 3080 – Pre-requisite Addition/Change

CALENDAR AND CURRICULUM CHANGE   Motion #1

Revision is for a: **Course Deletion**
Faculty/School/Department: **Arts**
Department/Program(s)/Academic Regulations: **Psychology**
MOTION: To delete PSY 3220 Advanced Research Methods in Social Psychology as proposed.

Reproduction of Current Calendar Entry	Proposed revision with changes underlined and deletions indicated clearly
3220 ADVANCED RESEARCH METHODS IN SOCIAL PSYCHOLOGY This seminar course is designed to expand your knowledge concerning advanced research methods used in social psychology. In this course, students will think critically about experimental research methods in social psychology and acquire hands-on experience designing and conducting social psychological research in collaboration with others (specific topics will vary from year to year). In addition, students will develop their skills in orally presenting research proposals/ results and extend their skills in writing APA format research papers. PREREQUISITES: Psychology 1010, 1020, 2780-2790 & 2420 (permission of the instructor is required, enrolment is limited) Three hours a week	~~3220 ADVANCED RESEARCH METHODS IN SOCIAL PSYCHOLOGY~~ ~~This seminar course is designed to expand your knowledge concerning advanced research methods used in social psychology. In this course, students will think critically about experimental research methods in social psychology and acquire hands-on experience designing and conducting social psychological research in collaboration with others (specific topics will vary from year to year). In addition, students will develop their skills in orally presenting research proposals/ results and extend their skills in writing APA format research papers.~~ ~~PREREQUISITES: Psychology 1010, 1020, 2780-2790 & 2420 (permission of the instructor is required, enrolment is limited)~~ ~~Three hours a week~~

Rationale for Change: This course is no longer being offered by the Department of Psychology.

Effective Term: FALL 2022

Implications for Other Programs: None

Impact on Students Currently Enrolled: None

Authorization   *Date:*

Departmental Approval: Nia Phillips	January 24, 2022
Faculty/School Approval: Arts Curriculum Committee	February 28, 2022
Faculty Dean's Approval: Neb Kujundzic	February 28, 2022
Grad. Studies Dean's Approval: N/A	N/A
Registrar's Office Approval: Darcy McCardle	March 10, 2022

CALENDAR AND CURRICULUM CHANGE   Motion #2

Revision is for a: **Course Title Change**
Faculty/School/Department: **Arts**
Department/Program(s)/Academic Regulations: **PSYCHOLOGY**
MOTION: To change the title of PSY 3520 Abnormal Psychology to Psychological Disorders as proposed.

Reproduction of Current Calendar Entry	Proposed revision with changes underlined and deletions indicated clearly
3520 ABNORMAL PSYCHOLOGY A critical review of theories and research in psychopathology and psychotherapy. Special emphasis will be placed on a discussion of what constitutes abnormality and normality, and on the various models of deviance developed by the psychoanalytic, learning, existential-phenomenological and social-interpersonal approaches. Attention will be directed to a study of how these models are generated and the social consequences of designating an individual deviant. PREREQUISITE: Psychology 1010-1020, 2780-2790 or 2510 Three hours a week	3520 ~~ABNORMAL PSYCHOLOGY~~ PSYCHOLOGICAL DISORDERS ~~A~~ This course engages students in a critical review of theories and research in psychological disorders.~~psychopathology and psychotherapy. Special emphasis will be placed on a discussion of what constitutes abnormality and normality, and on the various models of deviance developed by the psychoanalytic, learning, existential-phenomenological and social-interpersonal approaches. Attention will be directed to a study of how these models are generated and the social consequences of designating an individual deviant.~~ Strengths and limitations of current diagnostic classification systems, such as the DSM, are analyzed, as are the personal and social consequences of their use. Current models of diagnosis, etiology, maintenance, and treatment of various disorders are reviewed. We explore limits on the generalizability of key concepts and findings across individual and cultural diversities. PREREQUISITE: Psychology 1010-1020, 2780-2790 or 2510 Three hours a week

Rationale for Change: The revision replaces dated and stigmatizing terminology, and better reflects the focus of the course as currently taught.

Effective Term: FALL 2022   **Implications for Other Programs:** None

Impact on Students Currently Enrolled: None

Authorization	*Date:*
Departmental Approval: Nia Phillips	February 3, 2022
Faculty/School Approval: Arts Curriculum Committee	February 28, 2022
Faculty Dean's Approval: Neb Kujundzic	February 28, 2022
Grad. Studies Dean's Approval: N/A	N/A
Registrar's Office Approval: Darcy McCardle	March 10, 2022

CALENDAR AND CURRICULUM CHANGE   Motion #3

Revision is for a: **Calendar Entry Change**
Faculty/School/Department: **Arts**
Department/Program(s)/Academic Regulations: **Psychology**
MOTION: To have the course description and title for PSY 3420 be approved as proposed.

Reproduction of Current Calendar Entry	Proposed revision with changes underlined and deletions indicated clearly
PSY-3420 Intimate Relationships This course is designed to examine a variety of areas of study within the field of intimate relationships. Through in-class discussion of the major theoretical frameworks of the discipline and by designing their own original relationship research proposals, students will gain an increased understanding of the multifaceted nature of intimate relationships. Topics to be covered include but are not limited to: attraction, social cognition, interdependency, conflict, and love. Cross-listed with Family Science 3440 Prerequisites: Psychology 1010-1020, Psychology 2420 and Psychology 2780-2790 or Psychology 2510. - Must be completed prior to taking this course.	**PSY-3420** ~~Intimate~~ <u>Interpersonal</u> **Relationships** This course is designed to examine a variety of <u>social psychological frameworks</u> ~~areas of study~~ within the field of <u>interpersonal</u> relationships. Through in-class discussion, <u>extensive writing, and major projects</u> ~~of the major theoretical frameworks of the discipline and by designing their own original relationship research proposals,~~ students will gain an increased understanding of the multifaceted nature of <u>interpersonal</u> relations. <u>The course will focus on examples from one of three different relationships types each year: intimate relationships, family relationships, or group interactions.</u> ~~Topics to be covered include but are not limited to: attraction, social cognition, interdependency, conflict, and love. Cross-listed with Family Science (cf. Family Science 3440)~~ Preequisites: Psychology 1010-1020, Psychology 2420 and Psychology ~~2780~~-2790 or Psychology 2510 must be completed prior to taking this course.

Rationale for Change: Broadening the focus of the course from solely intimate relationships to including family relationships and group interactions allows for greater flexibility in staffing the course. The underlying theories show a remarkable amount of consistency ensuring that the core of the course will remain the same while the focus of application is flexible.

Effective Term: FALL 2022   **Implications for Other Programs:** None

Impact on Students Currently Enrolled: None

Authorization	*Date:*
Departmental Approval: Nia Phillips	February 9, 2022
Faculty/School Approval: Arts Curriculum Committee	February 28, 2022
Faculty Dean's Approval: Neb Kujundzic	February 28, 2022
Grad. Studies Dean's Approval: N/A	N/A
Registrar's Office Approval: Darcy McCardle	March 10, 2022

CALENDAR AND CURRICULUM CHANGE   Motion #4

Revision is for a: **Calendar Entry Change**
Faculty/School/Department: **Arts**
Department/Program(s)/Academic Regulations: **Psychology**
MOTION: To have PSY 3860, Buddhist Psychology, added to the Critical and Historical Perspectives subject area as proposed.

Reproduction of Current Calendar Entry	Proposed revision with changes underlined and deletions indicated clearly
Critical and Historical Perspectives 3010 "Psychology" from the Ancient to the Modern World 3020 Modern Psychological Concepts and Practice in Historical Perspective 3330 Ecopsychology 3850 Cultural Psychology 3910 Psychology of Women 3950 Gender and Violence 4350 Gender and Sexuality 4630 Critical Issues for Contemporary Psychology 4720 Social Justice in Psychology	Critical and Historical Perspectives 3010 "Psychology" from the Ancient to the Modern World 3020 Modern Psychological Concepts and Practice in Historical Perspective 3330 Ecopsychology 3850 Cultural Psychology 3860 Buddhist Psychology 3910 Psychology of Women 3950 Gender and Violence 4350 Gender and Sexuality 4630 Critical Issues for Contemporary Psychology 4720 Social Justice in Psychology

Rationale for Change: PSY 3860, Buddhist Psychology, was added to the course catalogue in 2020.
We are requesting this course be added to the Critical and Historical Perspectives subject area of the Academic Calendar.

Effective Term: FALL 2022

Implications for Other Programs: None

Impact on Students Currently Enrolled: None

Authorization	*Date:*
Departmental Approval: Nia Phillips	February 4, 2022
Faculty/School Approval: Arts Curriculum Committee	February 28, 2022
Faculty Dean's Approval: Neb Kujundzic	February 28, 2022
Grad. Studies Dean's Approval: N/A	N/A
Registrar's Office Approval: Darcy McCardle	March 10, 2022

CALENDAR AND CURRICULUM CHANGE   Motion #5

Revision is for a: **Pre-requisite Addition/Change**
Faculty/School/Department: **Arts**
Department/Program(s)/Academic Regulations: **Economics**
MOTION: To have the change in the pre-requisite for Economics 3030 approved as proposed.

Reproduction of Current Calendar Entry	Proposed revision with changes underlined and deletions indicated clearly
3030 ECONOMIC METHODOLOGY This course provides a critical analysis of various methodologies used by economists. It introduces students to research in economics by focusing attention on competing economic paradigms and the problem of empirical verification of economic hypotheses. PREREQUISITE: Economics 2030 and 2040, Statistics 1210 Three hours a week	3030 ECONOMIC METHODOLOGY This course provides a critical analysis of various methodologies used by economists. It introduces students to research in economics by focusing attention on competing economic paradigms and the problem of empirical verification of economic hypotheses. PREREQUISITE: Economics 2030 and 2040, Statistics 1210 or Statistics 1910 Three hours a week

Rationale for Change: The Statistics requirement for the major in Economics was changed to Statistics 1910; this change simply reflects that.

Effective Term: FALL 2022

Implications for Other Programs: None. Economics students are already taking Statistics 1910 as part of the major.

Impact on Students Currently Enrolled: Will allow immediate access to take this required course.

Authorization	*Date:*
Departmental Approval: Jason Stevens	February 17, 2022
Faculty/School Approval: Arts Curriculum Committee	February 28, 2022
Faculty Dean's Approval: Neb Kujundzic	February 28, 2022
Grad. Studies Dean's Approval: N/A	N/A
Registrar's Office Approval: Darcy McCardle	March 10, 2022

CALENDAR AND CURRICULUM CHANGE   Motion #6

Revision is for a: **Pre-requisite Addition/Change**
Faculty/School/Department: **Arts**
Department/Program(s)/Academic Regulations: **Economics**
MOTION: To have the change in the pre-requisite for Economics 3080 approved as proposed.

Reproduction of Current Calendar Entry	Proposed revision with changes underlined and deletions indicated clearly
3080 INTRODUCTION TO ECONOMETRICS This course concentrates on effective procedures for the statistical estimation and testing of key parameters in economic models. Remedies are developed for problems associated with model specification. Multicollinearity, serial correlation, heteroscedasticity, simultaneous equations, and forecasting. PREREQUISITE: Economics 2030 and 2040, Statistics 1210, and either Mathematics 1120 or 1910 Three hours a week	3080 INTRODUCTION TO ECONOMETRICS This course concentrates on effective procedures for the statistical estimation and testing of key parameters in economic models. Remedies are developed for problems associated with model specification. Multicollinearity, serial correlation, heteroscedasticity, simultaneous equations, and forecasting. PREREQUISITE: Economics 2030 and 2040, Statistics 1210 or Statistics 1910, and either Mathematics 1120 or 1910 Three hours a week

Rationale for Change: The Statistics requirement for the major in Economics was changed to Statistics 1910; this change simply reflects that.

Effective Term: FALL 2022

Implications for Other Programs: None. Economics students are already taking Statistics 1910 as part of the major.

Impact on Students Currently Enrolled: Will allow immediate access to take this required course.

Authorization	*Date:*
Departmental Approval: Jason Stevens	February 17, 2022
Faculty/School Approval: Arts Curriculum Committee	February 28, 2022
Faculty Dean's Approval: Neb Kujundzic	February 28, 2022
Grad. Studies Dean's Approval: N/A	N/A
Registrar's Office Approval: Darcy McCardle	March 10, 2022

SUMMARY OF FACULTY OF BUSINESS MOTION #7

New Course – Business 3852

NEW COURSE PROPOSAL   Motion #7

Faculty/School: **Business**

Department/Program(s): **N/A**

MOTION: That a new course BUS 3852 Modern Business Communications be approved as proposed.

Course Number and Title	BUS 3852 Modern Business Communications
Description	This course introduces students to concepts and ideas that will make them more effective producers and consumers of modern business communication in English. Students will develop broad editorial skills that can be used to gauge the value of sources, engage ethically across platforms, and demonstrate intercultural sensitivity.
Cross-Listing	
Prerequisite/Co-Requisite	English 1010 or permission from the instructor
Credit(s)	3
Notation	Credit will not be given for both ENG 3810 and BUS 3852.

This is: An elective course   **Grade Mode:** Numeric (Standard)

Anticipated Enrolment: 35   **Is there an Enrolment Cap:** Yes
If there is an enrolment limit, please explain. This is a communications-based course that requires intensive writing, presentations, and digital skill development. Limiting enrolment provides the students with a learning environment conducive to skill and competency development in the communications field.

Rationale for New Course: This course has been provided as a Special Topics course each year and is substituted for ENG 3810. ENG 3810 has high demand as it is a required course for business students. BUS 3852 will continue to offer the same substitution opportunity as the special topics course 3850 and will give students opportunities to graduate on time.

Effective Term: FALL 2022

Implications for Other Programs: Added Elective Course that can substitute for ENG 3810. Demand will continue to be the same for ENG 3810 as this new course is currently offered as a special topics.

Impact on Students Currently Enrolled: Business students will continue to have the same option to substitute BUS 3852 for ENG 3810.

Resources Required: Currently taught by sessional instructor and will continue to do so.

In offering this course will UPEI require facilities or staff at other institutions: No

Authorization	Date:
Departmental Approval: Melissa James (Curriculum Committee)	February 3, 2022
Faculty/School Approval: Faculty of Business	February 4, 2022
Faculty Dean's Approval: Tarek Mady, Interim Dean	February 4, 2022

NEW COURSE PROPOSAL   **Motion #7**

Graduate Studies Dean's Approval: N/A	N/A
Registrar's Office Approval: Darcy McCardle	March 10, 2022

Form Version: January 2022

NEW COURSE PROPOSAL   **Motion #7**

LIBRARY RESOURCE REQUIREMENTS FOR A NEW COURSE PROPOSAL

BUS 3852 Modern Business Communications

Library Resource Requirements *(to be completed by the liaison and/or collections librarian)*

Existing resources:
- Collections – Holdings, Subscriptions, Other
    - Monographs:
        - Sample subject term search in OneSearch Lite (limited to print/ebooks, 2012-2022)
            - ((Business) AND (communication OR writing)) - 4,619 titles
    - Journals:
        - Sample journal title search (limited to peer-reviewed journals)
            - Business Communications – 867 titles
    - Databases:
        - Business Source Complete, Business Collection, Business Insights Global, Gale OneFile: Business, Gale OneFile: Communications and Mass Media, Computer Database, GlobalEdge, Small Business Collection, CBCA, Communication and Mass Media Collection.
- Subscription Dependencies (in interdisciplinary packages)
    - Academic Search Complete, PsycInfo, Eureka, Scopus.
    - Interdisciplinary ebook packages: EBSCOhost Ebooks, Proquest ebook Central, Wiley Online Books, ScienceDirect (Elsevier) ebooks, Sage Knowledge, Project Muse, JSTOR, CRC (Taylor & Francis) Handbooks, Cambridge Core, Springer Ebook Collection.
    - The library currently maintains campus-wide subscriptions to both Refworks and Grammarly Premium which may be of use to this course.
- Physical Space in Library (other than holdings, explain) – N/A
- Library Administrative/Research Support
    - Subject librarian provides in person and virtual research support and instruction as needed.

New resources needed to support this proposal:
- Capital Requirements *(other than new course-specific)*
- Collections:
    - Monographs
    - Subscriptions
    - Databases
    - Other
- Physical Space in Library (other than holdings, explain)
- Library Administrative/Research Support
- Other One-Time or Ongoing Library expenses (e.g. software licenses)

Summary of additional bud/get allocation required:
- One-time: ___NA_____ For each of ___N/A consecutive years
- Annual: ___N/A_____
    - Per-year percentage increase in annual: N/A

NEW COURSE PROPOSAL   **Motion #7**

Does the budget allocation for library resources in this proposal meet the requirement?

Existing library resources are sufficient to support this course. The majority of the resources are subscriptions and so sustainable funding is required to ensure continued access.

Date Received by Liaison/Collections Librarian	Feb 3 2022
Name of Librarian to be Contacted for Questions	Keltie MacPhail
Approved by University Librarian or Designate - Name	Donald Moses
Date Approved by UL or Designate	Feb 7, 2022

SUMMARY OF FACULTY OF ENGINEERING MOTION #'S 8-14

Submissions from the Faculty of Sustainable Design Engineering:

New Course Proposals:

SDE 8031: CONTEMPORARY TOPICS IN USER-CENTRED ENGINEERING DESIGN

SDE 8061: OPTIMIZATION IN ENERGY INFRASTRUCTURE

SDE 8062: SOLAR BUILDINGS AND NEIGHBORHOODS

SDE 8063: CONTEMPORARY TOPICS IN SUSTAINABLE ENERGY

SDE 8070: NOVEL ENGINEERED MATERIALS FOR SUSTAINABLE APPLICATIONS

SDE 8081: MODERN MECHATRONIC SYSTEMS

SDE 8101: ADVANCES IN BIORESOURCE ENGINEERING

NEW COURSE PROPOSAL   Motion #8

Faculty/School: **Sustainable Design Engineering**

Department/Program(s): **N/A**

MOTION: To approve SDE 8031 course for the FSDE graduate program.

Course Number and Title	SDE 8031: CONTEMPORARY TOPICS IN USER-CENTRED ENGINEERING DESIGN
Description	User-centred design offers a powerful and systematic approach to understanding users and their needs and delivering effective design solutions in many domains including engineering, technology and health sciences. This course will introduce students to a variety of principles, practices and research methods for designing, developing and evaluating products, systems and solutions based on the users' needs, and context. Students will learn human factors, ergonomics, cognitive and perceptual psychology principles for designing products, information displays and complex systems. Students will be exposed to various subjective and objective metrics and methods for evaluations and usability studies. Students will also be introduced to apply user-centred design for developing sustainable products and systems.
Cross-Listing	N/A
Prerequisite/Co-Requisite	Admission to the graduate program in Faculty of Sustainable Design Engineering
Credit(s)	3
Notation	N/A

This is: An Elective Course   **Grade Mode:** Numeric (Standard)

Anticipated Enrolment: 10   **Is there an Enrolment Cap:** No

Rationale for New Course: Complementing the graduate-level course offering in FSDE.

Effective Term: Fall 2022   **Implications for Other Programs:** N/A

Impact on Students Currently Enrolled: N/A

Resources Required: The FSDE graduate course offering is shared between the MSc-SDE and the proposed PhD-SDE programs. Currently, FSDE offers four graduate-level courses, and with the addition of the PhD program, FSDE is planning to offer two additional graduate courses per year. Some of the graduate-level courses will be offered on a bi-annual rotation to increase the number and variety of engineering graduate-level courses available to graduate students. The cost of two (2) sessional instructors is budgeted in the FSDE Graduate Studies budget to cover the cost of teaching two additional graduate courses by full time faculty members.

In offering this course will UPEI require facilities or staff at other institutions: N/A
If yes, please explain. N/A

NEW COURSE PROPOSAL

Motion #8

Authorization	*Date:*
Departmental Approval: N/A	N/A
Faculty/School Approval:	February 16, 2022
Faculty Dean's Approval: Dr. Wayne Peters, Interim Dean	February 18, 2022
Graduate Studies Dean's Approval: Dr. Rabin Bissessur	February 19, 2022
Registrar's Office Approval: Darcy McCardle	March 10, 2022

Form Version: January 2022

NEW COURSE PROPOSAL   **Motion #8**

LIBRARY RESOURCE REQUIREMENTS FOR A NEW COURSE PROPOSAL

SDE 8031: CONTEMPORARY TOPICS IN USER-CENTRED ENGINEERING DESIGN

Library Resource Requirements *(to be completed by the liaison and/or collections librarian)*

Existing resources:
- Aside from various monographs included in the library's physical collection – including a copy of the Machinery's Handbook – the library has access to these resources (search results from select resources have been provided as examples):
    - substantial ebook collections available through a range of license models, some of which require annual payments to continue access. A search of the library catalogue with the keywords "bioresource OR biofuel OR biomaterials OR biomass conversion" returned over 1900 results – predominantly ebooks. The library has ebook access deals with the following publishers:
        - O'Reilly Higher Education (formerly known as Safari)
            - 169 results for "(bioresource OR biofuel OR biomaterial OR "biomass conversion"), filtered on the topics Engineering, Materials Engineering, Fuel Cells, Chemical Engineering, Civil Engineering, Biology, Innovation, Electrical Engineering, Mechanical Engineering, and Science
        - EBSCO
        - Elsevier
        - Wiley
        - Springer
        - Sage
        - ProQuest
        - Taylor & Francis
        - DesLibris
        - JSTOR
    - CRC Handbook of Chemistry & Physics (maintained through subscription)
    - licensed access to Engineering-specific packages that may contain a combination of publication types, such as books, journals, and conference proceedings, and may include a mix of full text and abstract-only indexing:
        - INSPEC
        - EI Compendex
        - AccessEngineering
            - over 2300 results searching "(bioresource OR biofuel OR biomaterials OR "biomass conversion")"
        - IEEE/IET IEL Electronic Library (Xplore)
            - over 2800 results for "(bioresource OR biofuel OR biomaterials OR "biomass conversion")" published in the last 10 years
        - various engineering standards maintained through the MADCAD platform
    - licensed packages of widely multidisciplinary content that include substantial engineering-related materials:
        - EBSCO Discovery Service (OneSearch)
        - Academic Search Complete
            - over 70,000 results searching "engineer* AND (bioresource OR biofuel OR biomaterials OR "biomass conversion")" from within the last 10 years

NEW COURSE PROPOSAL   **Motion #8**

- ▪ Gale OneFile Academic
- ▪ Sage Research Methods
- ▪ Scopus
- o full-text of many engineering journals and content of relevance to the engineering programs provided through annual subscriptions to publisher-specific packages:
    - ▪ Elsevier (ScienceDirect)
        - ▪ over 81,000 results searching "(engineer OR engineering) AND (bioresource OR biofuel OR biomaterials OR "biomass conversion")", filtered to the last 10 years and the Engineering, Materials Science, Chemical Engineering, Energy, and Agriculture and Biological Sciences subject fields.
    - ▪ Wiley
    - ▪ Springer
    - ▪ Sage
    - ▪ Association of Computing Machinery (ACM Digital Library)
        - ▪ over 200 results using keyword search "engineer* AND (bioresource OR biofuel OR biomaterials OR "biomass conversion")" published in the last 10 years
    - ▪ Institute of Physics (IOP)
    - ▪ American Chemical Society (ACS Web Editions and SciFinder)
    - ▪ Royal Society of Chemistry
    - ▪ American Geosciences Institute (GeoRef and GeoScienceWorld)
    - ▪ American Mathematical Society (MathSciNet)
- o Other resources:
    - ▪ Streaming Video collections including:
        - ▪ Academic Videos Online (Proquest)
        - ▪ Audio Cine Films
        - ▪ Criterion on Demand
        - ▪ JoVE
        - ▪ NFB Campus
    - ▪ OED Online
    - ▪ Business Source Complete (journal articles and index)
    - ▪ CAB Abstracts (index with full-text ebooks, proceedings)
    - ▪ Statistics Canada data through NESSTAR and CHASS
    - ▪ New York Times, as well as many more regional, national, and international newspapers and news services
    - ▪ Additionally, we organize and provide guidance on several tools that are open access to the public, such as MEDLINE and SCOAP[3]. We also collect extensively on PEI materials, which are accessed through the Special Collections services of the library and online on islandarchives.ca. Full list of resources is available at https://library.upei.ca/databases_all.

- Physical Space in Library (other than holdings, explain) - none
- Library Administrative/Research Support
    - o *Engineering Liaison librarian: Mackenzie Johnson*

Summary of additional budget allocation required:
- One-time: _____n/a_____ For each of _ _n/a____ consecutive years
- Annual: _____n/a_____

NEW COURSE PROPOSAL   **Motion #8**

o   Per-year percentage increase in annual: __n/a____

Does the budget allocation for library resources in this proposal meet the requirement?

Our existing holdings (as long as subscriptions are maintained) can support this course so no new budget allocation is required.

Date Received by Liaison/Collections Librarian	Feb 18, 2022
Name of Librarian to be Contacted for Questions	Mackenzie Johnson
Approved by University Librarian or Designate - Name	Donald Moses
Date Approved by UL or Designate	Feb. 25, 2022

NEW COURSE PROPOSAL   **Motion #9**

Faculty/School: **Sustainable Design Engineering**

Department/Program(s): **N/A**

MOTION: To approve SDE 8061 course for the FSDE graduate program.

Course Number and Title	SDE 8061: OPTIMIZATION IN ENERGY INFRASTRUCTURE
Description	The course aims to provide the knowledge about the application of various optimization methods in designing energy infrastructure. The course starts with the introduction to various optimization algorithms. Thereafter, the integration of energy modeling and simulation with optimization algorithms will be demonstrated. This course will also cover the optimization of distributed energy systems using single and multi-objective optimization methods. Several minor projects will be introduced to formulate the energy system optimization problem deciding design variables, objectives, and constraints.
Cross-Listing	N/A
Prerequisite/Co-Requisite	Admission to the graduate program in Faculty of Sustainable Design Engineering
Credit(s)	3
Notation	N/A

This is: An Elective Course   **Grade Mode:** Numeric (Standard)

Anticipated Enrolment: 10   **Is there an Enrolment Cap:** No.
If there is an enrolment limit, please explain.   N/A

Rationale for New Course: Complementing the graduate-level course offering in FSDE.

Effective Term: Fall 2022

Implications for Other Programs: N/A

Impact on Students Currently Enrolled: N/A

Resources Required: The FSDE graduate course offering is shared between the MSc-SDE and the proposed PhD-SDE programs. Currently, FSDE offers four graduate-level courses, and with the addition of the PhD program, FSDE is planning to offer two additional graduate courses per year. Some of the graduate-level courses will be offered on a bi-annual rotation to increase the number and variety of engineering graduate-level courses available to graduate students. The cost of two (2) sessional instructors is budgeted in the FSDE Graduate Studies budget to cover the cost of teaching two additional graduate courses by full time faculty members.

In offering this course will UPEI require facilities or staff at other institutions: N/A
If yes, please explain.   N/A

NEW COURSE PROPOSAL

Motion #9

Authorization	*Date:*
Departmental Approval: N/A	N/A
Faculty/School Approval:	February 16, 2022
Faculty Dean's Approval: Dr. Wayne Peters, Interim Dean	February 18, 2022
Graduate Studies Dean's Approval: Dr. Rabin Bissessur	February 19, 2022
Registrar's Office Approval: Darcy McCardle	March 10, 2022

NEW COURSE PROPOSAL   **Motion #9**

LIBRARY RESOURCE REQUIREMENTS FOR A NEW COURSE PROPOSAL

SDE 8061: OPTIMIZATION IN ENERGY INFRASTRUCTURE

Library Resource Requirements *(to be completed by the liaison and/or collections librarian)*

Existing resources:
- Aside from various monographs included in the library's physical collection – including a copy of the Machinery's Handbook – the library has access to these resources (search results from select resources have been provided as examples):
  - substantial ebook collections available through a range of license models, some of which require annual payments to continue access. A search of the library catalogue with the keywords "bioresource OR biofuel OR biomaterials OR biomass conversion" returned over 1900 results – predominantly ebooks. The library has ebook access deals with the following publishers:
    - O'Reilly Higher Education (formerly known as Safari)
      - 169 results for "(bioresource OR biofuel OR biomaterial OR "biomass conversion"), filtered on the topics Engineering, Materials Engineering, Fuel Cells, Chemical Engineering, Civil Engineering, Biology, Innovation, Electrical Engineering, Mechanical Engineering, and Science
    - EBSCO
    - Elsevier
    - Wiley
    - Springer
    - Sage
    - ProQuest
    - Taylor & Francis
    - DesLibris
    - JSTOR
  - CRC Handbook of Chemistry & Physics (maintained through subscription)
  - licensed access to Engineering-specific packages that may contain a combination of publication types, such as books, journals, and conference proceedings, and may include a mix of full text and abstract-only indexing:
    - INSPEC
    - EI Compendex
    - AccessEngineering
      - over 2300 results searching "(bioresource OR biofuel OR biomaterials OR "biomass conversion")"
    - IEEE/IET IEL Electronic Library (Xplore)
      - over 2800 results for "(bioresource OR biofuel OR biomaterials OR "biomass conversion")" published in the last 10 years
    - various engineering standards maintained through the MADCAD platform
  - licensed packages of widely multidisciplinary content that include substantial engineering-related materials:
    - EBSCO Discovery Service (OneSearch)
    - Academic Search Complete
      - over 70,000 results searching "engineer* AND (bioresource OR biofuel OR biomaterials OR "biomass conversion")" from within the last 10 years

NEW COURSE PROPOSAL   Motion #9

- ▪ Gale OneFile Academic
- ▪ Sage Research Methods
- ▪ Scopus
- o full-text of many engineering journals and content of relevance to the engineering programs provided through annual subscriptions to publisher-specific packages:
  - ▪ Elsevier (ScienceDirect)
    - ▪ over 81,000 results searching "(engineer OR engineering) AND (bioresource OR biofuel OR biomaterials OR "biomass conversion")", filtered to the last 10 years and the Engineering, Materials Science, Chemical Engineering, Energy, and Agriculture and Biological Sciences subject fields.
  - ▪ Wiley
  - ▪ Springer
  - ▪ Sage
  - ▪ Association of Computing Machinery (ACM Digital Library)
    - ▪ over 200 results using keyword search "engineer* AND (bioresource OR biofuel OR biomaterials OR "biomass conversion")" published in the last 10 years
  - ▪ Institute of Physics (IOP)
  - ▪ American Chemical Society (ACS Web Editions and SciFinder)
  - ▪ Royal Society of Chemistry
  - ▪ American Geosciences Institute (GeoRef and GeoScienceWorld)
  - ▪ American Mathematical Society (MathSciNet)
- o Other resources:
  - ▪ Streaming Video collections including:
    - ▪ Academic Videos Online (Proquest)
    - ▪ Audio Cine Films
    - ▪ Criterion on Demand
    - ▪ JoVE
    - ▪ NFB Campus
  - ▪ OED Online
  - ▪ Business Source Complete (journal articles and index)
  - ▪ CAB Abstracts (index with full-text ebooks, proceedings)
  - ▪ Statistics Canada data through NESSTAR and CHASS
  - ▪ New York Times, as well as many more regional, national, and international newspapers and news services
  - ▪ Additionally, we organize and provide guidance on several tools that are open access to the public, such as MEDLINE and SCOAP[3]. We also collect extensively on PEI materials, which are accessed through the Special Collections services of the library and online on islandarchives.ca. Full list of resources is available at https://library.upei.ca/databases_all.

- ● Physical Space in Library (other than holdings, explain) - none
- ● Library Administrative/Research Support
  - o *Engineering Liaison librarian: Mackenzie Johnson*

Summary of additional budget allocation required:
- ● One-time: ____n/a_____ For each of __n/a____ consecutive years
- ● Annual: ____n/a_____

NEW COURSE PROPOSAL   **Motion #9**

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     o   Per-year percentage increase in annual: __n/a____

Does the budget allocation for library resources in this proposal meet the requirement?

Our existing holdings (as long as subscriptions are maintained) can support this course so no new budget allocation is required.

Date Received by Liaison/Collections Librarian	Feb 18, 2022
Name of Librarian to be Contacted for Questions	Mackenzie Johnson
Approved by University Librarian or Designate - Name	Donald Moses
Date Approved by UL or Designate	Feb. 25, 2022

NEW COURSE PROPOSAL   **Motion #10**

Faculty/School: **Sustainable Design Engineering**

Department/Program(s): **N/A**

MOTION: To approve SDE 8062 course for the FSDE graduate program.

Course Number and Title	SDE 8062: SOLAR BUILDINGS AND NEIGHBORHOODS
Description	The course is aimed to discuss the design considerations in designing solar buildings and neighborhoods. The course will start with the historical background of solar neighborhoods in modern and ancient history. Thereafter, passive solar design considerations in various small and large scale buildings will be discussed. Principles of solar design such as building site setting, building shape, building envelopes, active and passive based heating and cooling techniques will be introduced. The active electrical and thermal energy generation and storage strategies will be discussed. Energy modeling and simulation tools used for the assessment of solar access of various building will be demonstrated. Various case studies related to solar buildings and neighborhood will be taken for assignments. For the term project, incorporation of solar strategies for modifying existing Canadian buildings and neighborhoods will be assigned to groups of students.
Cross-Listing	N/A
Prerequisite/Co-Requisite	Admission to the graduate program in Faculty of Sustainable Design Engineering
Credit(s)	3
Notation	N/A

This is: An Elective Course   **Grade Mode:** Numeric (Standard)

Anticipated Enrolment: 10   **Is there an Enrolment Cap:** No
If there is an enrolment limit, please explain. N/A

Rationale for New Course: Complementing the graduate-level course offering in FSDE.

Effective Term: Fall 2022

Implications for Other Programs: N/A

Impact on Students Currently Enrolled: N/A

Resources Required: The FSDE graduate course offering is shared between the MSc-SDE and the proposed PhD-SDE programs. Currently, FSDE offers four graduate-level courses, and with the addition of the PhD program, FSDE is planning to offer two additional graduate courses per year. Some of the graduate-level courses will be offered on a bi-annual rotation to increase the number and variety of engineering graduate-level courses available to graduate students. The cost of two (2) sessional instructors is budgeted in the FSDE Graduate Studies budget to cover the cost of teaching two additional graduate courses by full time faculty members.

NEW COURSE PROPOSAL   **Motion #10**

In offering this course will UPEI require facilities or staff at other institutions: N/A.

If yes, please explain.   N/A

Authorization	*Date:*
Departmental Approval: N/A	N/A
Faculty/School Approval:	February 16, 2022
Faculty Dean's Approval: Dr. Wayne Peters, Interim Dean	February 18, 2022
Graduate Studies Dean's Approval: Dr. Rabin Bissessur	February 19, 2022
Registrar's Office Approval: Darcy McCardle	March 10, 2022

NEW COURSE PROPOSAL   **Motion #10**

LIBRARY RESOURCE REQUIREMENTS FOR A NEW COURSE PROPOSAL

SDE 8062: SOLAR BUILDINGS AND NEIGHBORHOODS

Library Resource Requirements *(to be completed by the liaison and/or collections librarian)*

Existing resources:
- Aside from various monographs included in the library's physical collection – including a copy of the Machinery's Handbook – the library has access to these resources (search results from select resources have been provided as examples):
  - substantial ebook collections available through a range of license models, some of which require annual payments to continue access. A search of the library catalogue with the keywords "bioresource OR biofuel OR biomaterials OR biomass conversion" returned over 1900 results – predominantly ebooks. The library has ebook access deals with the following publishers:
    - O'Reilly Higher Education (formerly known as Safari)
      - 169 results for "(bioresource OR biofuel OR biomaterial OR "biomass conversion"), filtered on the topics Engineering, Materials Engineering, Fuel Cells, Chemical Engineering, Civil Engineering, Biology, Innovation, Electrical Engineering, Mechanical Engineering, and Science
    - EBSCO
    - Elsevier
    - Wiley
    - Springer
    - Sage
    - ProQuest
    - Taylor & Francis
    - DesLibris
    - JSTOR
  - CRC Handbook of Chemistry & Physics (maintained through subscription)
  - licensed access to Engineering-specific packages that may contain a combination of publication types, such as books, journals, and conference proceedings, and may include a mix of full text and abstract-only indexing:
    - INSPEC
    - EI Compendex
    - AccessEngineering
      - over 2300 results searching "(bioresource OR biofuel OR biomaterials OR "biomass conversion")"
    - IEEE/IET IEL Electronic Library (Xplore)
      - over 2800 results for "(bioresource OR biofuel OR biomaterials OR "biomass conversion")" published in the last 10 years
    - various engineering standards maintained through the MADCAD platform
  - licensed packages of widely multidisciplinary content that include substantial engineering-related materials:
    - EBSCO Discovery Service (OneSearch)
    - Academic Search Complete
      - over 70,000 results searching "engineer* AND (bioresource OR biofuel OR biomaterials OR "biomass conversion")" from within the last 10 years

NEW COURSE PROPOSAL   **Motion #10**

- ▪ Gale OneFile Academic
- ▪ Sage Research Methods
- ▪ Scopus
- o full-text of many engineering journals and content of relevance to the engineering programs provided through annual subscriptions to publisher-specific packages:
  - ▪ Elsevier (ScienceDirect)
    - ▪ over 81,000 results searching "(engineer OR engineering) AND (bioresource OR biofuel OR biomaterials OR "biomass conversion")", filtered to the last 10 years and the Engineering, Materials Science, Chemical Engineering, Energy, and Agriculture and Biological Sciences subject fields.
  - ▪ Wiley
  - ▪ Springer
  - ▪ Sage
  - ▪ Association of Computing Machinery (ACM Digital Library)
    - ▪ over 200 results using keyword search "engineer* AND (bioresource OR biofuel OR biomaterials OR "biomass conversion")" published in the last 10 years
  - ▪ Institute of Physics (IOP)
  - ▪ American Chemical Society (ACS Web Editions and SciFinder)
  - ▪ Royal Society of Chemistry
  - ▪ American Geosciences Institute (GeoRef and GeoScienceWorld)
  - ▪ American Mathematical Society (MathSciNet)
- o Other resources:
  - ▪ Streaming Video collections including:
    - ▪ Academic Videos Online (Proquest)
    - ▪ Audio Cine Films
    - ▪ Criterion on Demand
    - ▪ JoVE
    - ▪ NFB Campus
  - ▪ OED Online
  - ▪ Business Source Complete (journal articles and index)
  - ▪ CAB Abstracts (index with full-text ebooks, proceedings)
  - ▪ Statistics Canada data through NESSTAR and CHASS
  - ▪ New York Times, as well as many more regional, national, and international newspapers and news services
  - ▪ Additionally, we organize and provide guidance on several tools that are open access to the public, such as MEDLINE and SCOAP³. We also collect extensively on PEI materials, which are accessed through the Special Collections services of the library and online on islandarchives.ca. Full list of resources is available at https://library.upei.ca/databases_all.

- ● Physical Space in Library (other than holdings, explain) - none
- ● Library Administrative/Research Support
  - o *Engineering Liaison librarian: Mackenzie Johnson*

Summary of additional budget allocation required:
- ● One-time: _____n/a_____ For each of __n/a____ consecutive years
- ● Annual: _____n/a_____

NEW COURSE PROPOSAL   **Motion #10**

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     o   Per-year percentage increase in annual: __n/a____

Does the budget allocation for library resources in this proposal meet the requirement?

Our existing holdings (as long as subscriptions are maintained) can support this course so no new budget allocation is required.

Date Received by Liaison/Collections Librarian	Feb 18, 2022
Name of Librarian to be Contacted for Questions	Mackenzie Johnson
Approved by University Librarian or Designate - Name	Donald Moses
Date Approved by UL or Designate	Feb. 25, 2022

NEW COURSE PROPOSAL   **Motion #11**

Faculty/School: **Sustainable Design Engineering**

Department/Program(s): **N/A**

MOTION: To approve SDE 8063 course for the FSDE graduate program.

Course Number and Title	SDE 8063: CONTEMPORARY TOPICS IN SUSTAINABLE ENERGY
Description	This broadly applicable course discusses global energy usage and exposes students to current trends in local and global sustainable energy initiatives (i.e., energy generation and storage) and applications. Present and future global energy consumption and related CO_2 emissions are considered and discussed. Students will be exposed to and analyze case studies as well as develop and design their own globally relevant solution concepts. Students will ultimately gain an enhanced, quantitative appreciation for the challenges and opportunities related to global energy system decarbonization.
Cross-Listing	N/A
Prerequisite/Co-Requisite	Admission to the graduate program in Faculty of Sustainable Design Engineering
Credit(s)	3
Notation	N/A

This is: An Elective Course   **Grade Mode:** Numeric (Standard)

Anticipated Enrolment: 10   **Is there an Enrolment Cap:** No
If there is an enrolment limit, please explain.   N/A

Rationale for New Course: Complementing the graduate-level course offering in FSDE.

Effective Term: Fall 2022

Implications for Other Programs: N/A

Impact on Students Currently Enrolled: N/A

Resources Required: The FSDE graduate course offering is shared between the MSc-SDE and the proposed PhD-SDE programs. Currently, FSDE offers four graduate-level courses, and with the addition of the PhD program, FSDE is planning to offer two additional graduate courses per year. Some of the graduate-level courses will be offered on a bi-annual rotation to increase the number and variety of engineering graduate-level courses available to graduate students. The cost of two (2) sessional instructors is budgeted in the FSDE Graduate Studies budget to cover the cost of teaching two additional graduate courses by full time faculty members.

In offering this course will UPEI require facilities or staff at other institutions: N/A
If yes, please explain.   N/A

NEW COURSE PROPOSAL

Motion #11

Authorization	*Date:*
Departmental Approval: N/A	N/A
Faculty/School Approval:	February 16, 2022
Faculty Dean's Approval: Dr. Wayne Peters, Interim Dean	February 18, 2022
Graduate Studies Dean's Approval: Dr. Rabin Bissessur	February 19, 2022
Registrar's Office Approval: Darcy McCardle	March 10, 2022

Form Version: January 2022

NEW COURSE PROPOSAL   **Motion #11**

LIBRARY RESOURCE REQUIREMENTS FOR A NEW COURSE PROPOSAL

SDE 8063: CONTEMPORARY TOPICS IN SUSTAINABLE ENERGY

Library Resource Requirements *(to be completed by the liaison and/or collections librarian)*

Existing resources:
- Aside from various monographs included in the library's physical collection – including a copy of the Machinery's Handbook – the library has access to these resources (search results from select resources have been provided as examples):
  - substantial ebook collections available through a range of license models, some of which require annual payments to continue access. A search of the library catalogue with the keywords "bioresource OR biofuel OR biomaterials OR biomass conversion" returned over 1900 results – predominantly ebooks. The library has ebook access deals with the following publishers:
    - O'Reilly Higher Education (formerly known as Safari)
      - 169 results for "(bioresource OR biofuel OR biomaterial OR "biomass conversion"), filtered on the topics Engineering, Materials Engineering, Fuel Cells, Chemical Engineering, Civil Engineering, Biology, Innovation, Electrical Engineering, Mechanical Engineering, and Science
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    - Elsevier
    - Wiley
    - Springer
    - Sage
    - ProQuest
    - Taylor & Francis
    - DesLibris
    - JSTOR
  - CRC Handbook of Chemistry & Physics (maintained through subscription)
  - licensed access to Engineering-specific packages that may contain a combination of publication types, such as books, journals, and conference proceedings, and may include a mix of full text and abstract-only indexing:
    - INSPEC
    - EI Compendex
    - AccessEngineering
      - over 2300 results searching "(bioresource OR biofuel OR biomaterials OR "biomass conversion")"
    - IEEE/IET IEL Electronic Library (Xplore)
      - over 2800 results for "(bioresource OR biofuel OR biomaterials OR "biomass conversion")" published in the last 10 years
    - various engineering standards maintained through the MADCAD platform
  - licensed packages of widely multidisciplinary content that include substantial engineering-related materials:
    - EBSCO Discovery Service (OneSearch)
    - Academic Search Complete
      - over 70,000 results searching "engineer* AND (bioresource OR biofuel OR biomaterials OR "biomass conversion")" from within the last 10 years

NEW COURSE PROPOSAL   **Motion #11**

- ▪ Gale OneFile Academic
- ▪ Sage Research Methods
- ▪ Scopus
- o full-text of many engineering journals and content of relevance to the engineering programs provided through annual subscriptions to publisher-specific packages:
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    - ▪ over 81,000 results searching "(engineer OR engineering) AND (bioresource OR biofuel OR biomaterials OR "biomass conversion")", filtered to the last 10 years and the Engineering, Materials Science, Chemical Engineering, Energy, and Agriculture and Biological Sciences subject fields.
  - ▪ Wiley
  - ▪ Springer
  - ▪ Sage
  - ▪ Association of Computing Machinery (ACM Digital Library)
    - ▪ over 200 results using keyword search "engineer* AND (bioresource OR biofuel OR biomaterials OR "biomass conversion")" published in the last 10 years
  - ▪ Institute of Physics (IOP)
  - ▪ American Chemical Society (ACS Web Editions and SciFinder)
  - ▪ Royal Society of Chemistry
  - ▪ American Geosciences Institute (GeoRef and GeoScienceWorld)
  - ▪ American Mathematical Society (MathSciNet)
- o Other resources:
  - ▪ Streaming Video collections including:
    - ▪ Academic Videos Online (Proquest)
    - ▪ Audio Cine Films
    - ▪ Criterion on Demand
    - ▪ JoVE
    - ▪ NFB Campus
  - ▪ OED Online
  - ▪ Business Source Complete (journal articles and index)
  - ▪ CAB Abstracts (index with full-text ebooks, proceedings)
  - ▪ Statistics Canada data through NESSTAR and CHASS
  - ▪ New York Times, as well as many more regional, national, and international newspapers and news services
  - ▪ Additionally, we organize and provide guidance on several tools that are open access to the public, such as MEDLINE and SCOAP³. We also collect extensively on PEI materials, which are accessed through the Special Collections services of the library and online on islandarchives.ca. Full list of resources is available at https://library.upei.ca/databases_all.

- ● Physical Space in Library (other than holdings, explain) - none
- ● Library Administrative/Research Support
  - o *Engineering Liaison librarian: Mackenzie Johnson*

Summary of additional budget allocation required:
- ● One-time: ____n/a_____ For each of __n/a____ consecutive years
- ● Annual: ____n/a_____

NEW COURSE PROPOSAL   **Motion #11**

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      o   Per-year percentage increase in annual: __n/a____

Does the budget allocation for library resources in this proposal meet the requirement?

Our existing holdings (as long as subscriptions are maintained) can support this course so no new budget allocation is required.

Date Received by Liaison/Collections Librarian	Feb 18, 2022
Name of Librarian to be Contacted for Questions	Mackenzie Johnson
Approved by University Librarian or Designate - Name	Donald Moses
Date Approved by UL or Designate	Feb. 25, 2022

NEW COURSE PROPOSAL   **Motion #12**

Faculty/School: **Sustainable Design Engineering**

Department/Program(s): **N/A**

MOTION: To approve SDE 8070 course for the FSDE graduate program.

Course Number and Title	SDE 8070: NOVEL ENGINEERED MATERIALS FOR SUSTAINABLE APPLICATIONS
Description	This course is a graduate-level examination of the properties and processing of novel, engineered materials for sustainable applications. Fundamental concepts of solid-state diffusion, phase transformations, amorphous-to-crystalline kinetics, rapid solidification - for nuclear energy, more electric generation, renewable energy systems, additive manufacturing, modeling and simulation of the nanoscale will be discussed. As well, the relationships between the performance of electrical, optical, and magnetic devices and the microstructural and defect characteristics of the materials from which they are constructed will be explored. Focusing on functional materials for emerging technologies and emphasizing a device-design approach, applications will center around current research in the Faculty of Sustainable Design Engineering.
Cross-Listing	N/A
Prerequisite/Co-Requisite	Admission to the graduate program in Faculty of Sustainable Design Engineering
Credit(s)	3
Notation	N/A

This is: An Elective Course   **Grade Mode:** Numeric (Standard)

Anticipated Enrolment: 10   **Is there an Enrolment Cap:** No
If there is an enrolment limit, please explain. N/A

Rationale for New Course: Complementing the graduate-level course offering in FSDE.

Effective Term: Fall 2022

Implications for Other Programs: N/A

Impact on Students Currently Enrolled: N/A

Resources Required: The FSDE graduate course offering is shared between the MSc-SDE and the proposed PhD-SDE programs. Currently, FSDE offers four graduate-level courses, and with the addition of the PhD program, FSDE is planning to offer two additional graduate courses per year. Some of the graduate-level courses will be offered on a bi-annual rotation to increase the number and variety of engineering graduate-level courses available to graduate students. The cost of two (2) sessional instructors is budgeted in the FSDE Graduate Studies budget to cover the cost of teaching two additional graduate courses by full time faculty members.

In offering this course will UPEI require facilities or staff at other institutions: N/A

NEW COURSE PROPOSAL   Motion #12

If yes, please explain. N/A

Authorization	*Date:*
Departmental Approval: N/A	N/A
Faculty/School Approval:	February 16, 2022
Faculty Dean's Approval: Dr. Wayne Peters, Interim Dean	February 18, 2022
Graduate Studies Dean's Approval: Dr. Rabin Bissessur	February 19, 2022
Registrar's Office Approval: Darcy McCardle	March 10, 2022

Form Version: January 2022

NEW COURSE PROPOSAL   **Motion #12**

LIBRARY RESOURCE REQUIREMENTS FOR A NEW COURSE PROPOSAL

SDE 8070: NOVEL ENGINEERED MATERIALS FOR SUSTAINABLE APPLICATIONS

Library Resource Requirements *(to be completed by the liaison and/or collections librarian)*

Existing resources:
- Aside from various monographs included in the library's physical collection – including a copy of the Machinery's Handbook – the library has access to these resources (search results from select resources have been provided as examples):
  - substantial ebook collections available through a range of license models, some of which require annual payments to continue access. A search of the library catalogue with the keywords "bioresource OR biofuel OR biomaterials OR biomass conversion" returned over 1900 results – predominantly ebooks. The library has ebook access deals with the following publishers:
    - O'Reilly Higher Education (formerly known as Safari)
      - 169 results for "(bioresource OR biofuel OR biomaterial OR "biomass conversion"), filtered on the topics Engineering, Materials Engineering, Fuel Cells, Chemical Engineering, Civil Engineering, Biology, Innovation, Electrical Engineering, Mechanical Engineering, and Science
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    - Elsevier
    - Wiley
    - Springer
    - Sage
    - ProQuest
    - Taylor & Francis
    - DesLibris
    - JSTOR
  - CRC Handbook of Chemistry & Physics (maintained through subscription)
  - licensed access to Engineering-specific packages that may contain a combination of publication types, such as books, journals, and conference proceedings, and may include a mix of full text and abstract-only indexing:
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    - EI Compendex
    - AccessEngineering
      - over 2300 results searching "(bioresource OR biofuel OR biomaterials OR "biomass conversion")"
    - IEEE/IET IEL Electronic Library (Xplore)
      - over 2800 results for "(bioresource OR biofuel OR biomaterials OR "biomass conversion")" published in the last 10 years
    - various engineering standards maintained through the MADCAD platform
  - licensed packages of widely multidisciplinary content that include substantial engineering-related materials:
    - EBSCO Discovery Service (OneSearch)
    - Academic Search Complete
      - over 70,000 results searching "engineer* AND (bioresource OR biofuel OR biomaterials OR "biomass conversion")" from within the last 10 years

NEW COURSE PROPOSAL   **Motion #12**

- ▪ Gale OneFile Academic
- ▪ Sage Research Methods
- ▪ Scopus
- o full-text of many engineering journals and content of relevance to the engineering programs provided through annual subscriptions to publisher-specific packages:
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    - ▪ over 81,000 results searching "(engineer OR engineering) AND (bioresource OR biofuel OR biomaterials OR "biomass conversion")", filtered to the last 10 years and the Engineering, Materials Science, Chemical Engineering, Energy, and Agriculture and Biological Sciences subject fields.
  - ▪ Wiley
  - ▪ Springer
  - ▪ Sage
  - ▪ Association of Computing Machinery (ACM Digital Library)
    - ▪ over 200 results using keyword search "engineer* AND (bioresource OR biofuel OR biomaterials OR "biomass conversion")" published in the last 10 years
  - ▪ Institute of Physics (IOP)
  - ▪ American Chemical Society (ACS Web Editions and SciFinder)
  - ▪ Royal Society of Chemistry
  - ▪ American Geosciences Institute (GeoRef and GeoScienceWorld)
  - ▪ American Mathematical Society (MathSciNet)
- o Other resources:
  - ▪ Streaming Video collections including:
    - ▪ Academic Videos Online (Proquest)
    - ▪ Audio Cine Films
    - ▪ Criterion on Demand
    - ▪ JoVE
    - ▪ NFB Campus
  - ▪ OED Online
  - ▪ Business Source Complete (journal articles and index)
  - ▪ CAB Abstracts (index with full-text ebooks, proceedings)
  - ▪ Statistics Canada data through NESSTAR and CHASS
  - ▪ New York Times, as well as many more regional, national, and international newspapers and news services
  - ▪ Additionally, we organize and provide guidance on several tools that are open access to the public, such as MEDLINE and SCOAP[3]. We also collect extensively on PEI materials, which are accessed through the Special Collections services of the library and online on islandarchives.ca. Full list of resources is available at https://library.upei.ca/databases_all.

- ● Physical Space in Library (other than holdings, explain) - none
- ● Library Administrative/Research Support
  - o *Engineering Liaison librarian: Mackenzie Johnson*

Summary of additional budget allocation required:
- ● One-time: ____n/a_____ For each of __n/a____ consecutive years
- ● Annual: ____n/a_____

NEW COURSE PROPOSAL   **Motion #12**

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o   Per-year percentage increase in annual: __n/a____

Does the budget allocation for library resources in this proposal meet the requirement?

Our existing holdings (as long as subscriptions are maintained) can support this course so no new budget allocation is required.

Date Received by Liaison/Collections Librarian	Feb 18, 2022
Name of Librarian to be Contacted for Questions	Mackenzie Johnson
Approved by University Librarian or Designate - Name	Donald Moses
Date Approved by UL or Designate	Feb. 25, 2022

NEW COURSE PROPOSAL   **Motion #13**

Faculty/School: **Sustainable Design Engineering**

Department/Program(s): **N/A**

MOTION: To approve SDE 8081 course for the FSDE graduate program.

Course Number and Title	SDE 8081: MODERN MECHATRONIC SYSTEMS
Description	This course emphasizes how the abstract concepts of control theory and advanced design tools are used pragmatically in engineering practice in the mechatronics field. This course explores current topics of modern mechatronics, from the application of complex systems through dimensionality reduction, machine learning, and dynamical systems modelling to innovative methods and algorithms such as augmented reality, medical image analysis, and automated mapping of environments. Above all, this course is designed to entice students to think, ask questions of existing theory, and understand the essence of mechatronics systems. To this end, students will develop and implement practical, hands-on-with-hardware applications of the control system analysis and design principles that are the subject matter of their research. The findings and results of this project will be presented in the format of a manuscript that incorporates the research methodology, their final product, and critical thinking over the mechatronic topic.
Cross-Listing	N/A
Prerequisite/Co-Requisite	Admission to the graduate program in Faculty of Sustainable Design Engineering
Credit(s)	3
Notation	N/A

This is: An Elective Course   **Grade Mode:** Numeric (Standard)

Anticipated Enrolment: 10   **Is there an Enrolment Cap:** No.
If there is an enrolment limit, please explain. N/A

Rationale for New Course: Complementing the graduate-level course offering in FSDE.

Effective Term: Fall 2022

Implications for Other Programs: N/A

Impact on Students Currently Enrolled: N/A

Resources Required: The FSDE graduate course offering is shared between the MSc-SDE and the proposed PhD-SDE programs. Currently, FSDE offers four graduate-level courses, and with the addition of the PhD program, FSDE is planning to offer two additional graduate courses per year. Some of the graduate-level courses will be offered on a bi-annual rotation to increase the number and variety of engineering graduate-level courses available to graduate students. The cost of two (2) sessional instructors is budgeted in the FSDE Graduate Studies budget to cover the cost of teaching two additional graduate courses by full time faculty members.

NEW COURSE PROPOSAL   **Motion #13**

In offering this course will UPEI require facilities or staff at other institutions: N/A

If yes, please explain. N/A

Authorization	*Date:*
Departmental Approval: N/A	N/A
Faculty/School Approval:	February 16, 2022
Faculty Dean's Approval: Dr. Wayne Peters, Interim Dean	February 18, 2022
Graduate Studies Dean's Approval: Dr. Rabin Bissessur	February 19, 2022
Registrar's Office Approval: Darcy McCardle	March 10, 2022

Form Version: January 2022

NEW COURSE PROPOSAL   **Motion #13**

LIBRARY RESOURCE REQUIREMENTS FOR A NEW COURSE PROPOSAL

SDE 8081: MODERN MECHATRONIC SYSTEMS

Library Resource Requirements *(to be completed by the liaison and/or collections librarian)*

Existing resources:
- Aside from various monographs included in the library's physical collection – including a copy of the Machinery's Handbook – the library has access to these resources (search results from select resources have been provided as examples):
    - substantial ebook collections available through a range of license models, some of which require annual payments to continue access. A search of the library catalogue with the keywords "bioresource OR biofuel OR biomaterials OR biomass conversion" returned over 1900 results – predominantly ebooks. The library has ebook access deals with the following publishers:
        - O'Reilly Higher Education (formerly known as Safari)
            - 169 results for "(bioresource OR biofuel OR biomaterial OR "biomass conversion"), filtered on the topics Engineering, Materials Engineering, Fuel Cells, Chemical Engineering, Civil Engineering, Biology, Innovation, Electrical Engineering, Mechanical Engineering, and Science
        - EBSCO
        - Elsevier
        - Wiley
        - Springer
        - Sage
        - ProQuest
        - Taylor & Francis
        - DesLibris
        - JSTOR
    - CRC Handbook of Chemistry & Physics (maintained through subscription)
    - licensed access to Engineering-specific packages that may contain a combination of publication types, such as books, journals, and conference proceedings, and may include a mix of full text and abstract-only indexing:
        - INSPEC
        - EI Compendex
        - AccessEngineering
            - over 2300 results searching "(bioresource OR biofuel OR biomaterials OR "biomass conversion")"
        - IEEE/IET IEL Electronic Library (Xplore)
            - over 2800 results for "(bioresource OR biofuel OR biomaterials OR "biomass conversion")" published in the last 10 years
        - various engineering standards maintained through the MADCAD platform
    - licensed packages of widely multidisciplinary content that include substantial engineering-related materials:
        - EBSCO Discovery Service (OneSearch)
        - Academic Search Complete
            - over 70,000 results searching "engineer* AND (bioresource OR biofuel OR biomaterials OR "biomass conversion")" from within the last 10 years

NEW COURSE PROPOSAL   **Motion #13**

- ▪ Gale OneFile Academic
- ▪ Sage Research Methods
- ▪ Scopus
- o full-text of many engineering journals and content of relevance to the engineering programs provided through annual subscriptions to publisher-specific packages:
  - ▪ Elsevier (ScienceDirect)
    - ▪ over 81,000 results searching "(engineer OR engineering) AND (bioresource OR biofuel OR biomaterials OR "biomass conversion")", filtered to the last 10 years and the Engineering, Materials Science, Chemical Engineering, Energy, and Agriculture and Biological Sciences subject fields.
  - ▪ Wiley
  - ▪ Springer
  - ▪ Sage
  - ▪ Association of Computing Machinery (ACM Digital Library)
    - ▪ over 200 results using keyword search "engineer* AND (bioresource OR biofuel OR biomaterials OR "biomass conversion")" published in the last 10 years
  - ▪ Institute of Physics (IOP)
  - ▪ American Chemical Society (ACS Web Editions and SciFinder)
  - ▪ Royal Society of Chemistry
  - ▪ American Geosciences Institute (GeoRef and GeoScienceWorld)
  - ▪ American Mathematical Society (MathSciNet)
- o Other resources:
  - ▪ Streaming Video collections including:
    - ▪ Academic Videos Online (Proquest)
    - ▪ Audio Cine Films
    - ▪ Criterion on Demand
    - ▪ JoVE
    - ▪ NFB Campus
  - ▪ OED Online
  - ▪ Business Source Complete (journal articles and index)
  - ▪ CAB Abstracts (index with full-text ebooks, proceedings)
  - ▪ Statistics Canada data through NESSTAR and CHASS
  - ▪ New York Times, as well as many more regional, national, and international newspapers and news services
  - ▪ Additionally, we organize and provide guidance on several tools that are open access to the public, such as MEDLINE and SCOAP[3]. We also collect extensively on PEI materials, which are accessed through the Special Collections services of the library and online on islandarchives.ca. Full list of resources is available at https://library.upei.ca/databases_all.

- ● Physical Space in Library (other than holdings, explain) - none
- ● Library Administrative/Research Support
  - o *Engineering Liaison librarian: Mackenzie Johnson*

Summary of additional budget allocation required:
- ● One-time: ____n/a_____ For each of __n/a____ consecutive years
- ● Annual: ____n/a_____

NEW COURSE PROPOSAL   **Motion #13**

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   o Per-year percentage increase in annual: __n/a____

Does the budget allocation for library resources in this proposal meet the requirement?

Our existing holdings (as long as subscriptions are maintained) can support this course so no new budget allocation is required.

Date Received by Liaison/Collections Librarian	Feb 18, 2022
Name of Librarian to be Contacted for Questions	Mackenzie Johnson
Approved by University Librarian or Designate - Name	Donald Moses
Date Approved by UL or Designate	Feb. 25, 2022

NEW COURSE PROPOSAL   **Motion #14**

Faculty/School: **Sustainable Design Engineering**

Department/Program(s): **N/A**

MOTION: To approve SDE 8101 course for the FSDE graduate program.

Course Number and Title	SDE 8101: ADVANCES IN BIORESOURCE ENGINEERING
Description	The quest for food security, renewable energy, climate change and demand for sustainable fuels has increased focus on biomass conversion and technological interventions to cope with these challenges. This course covers advanced topics in bioresource engineering to acquire an understanding of sustainability challenges in bioresource sector and propose optimal climate smart solutions by implementing technologies and processes. The course is delivered in three complementary modules: i) deep learning and artificial intelligence for sustainable food production, ii) biofuels and biomaterials, and iii) the design of biomass conversion reactors.
Cross-Listing	N/A
Prerequisite/Co-Requisite	Admission to the graduate program in Faculty of Sustainable Design Engineering
Credit(s)	3
Notation	N/A

This is: An Elective Course   **Grade Mode:** Numeric (Standard)

Anticipated Enrolment: 10   **Is there an Enrolment Cap:** No
If there is an enrolment limit, please explain.   N/A

Rationale for New Course: Complementing the graduate-level course offering in FSDE.

Effective Term: Fall 2022

Implications for Other Programs: N/A

Impact on Students Currently Enrolled: N/A

Resources Required: The FSDE graduate course offering is shared between the MSc-SDE and the proposed PhD-SDE programs. Currently, FSDE offers four graduate-level courses, and with the addition of the PhD program, FSDE is planning to offer two additional graduate courses per year. Some of the graduate-level courses will be offered on a bi-annual rotation to increase the number and variety of engineering graduate-level courses available to graduate students. The cost of two (2) sessional instructors is budgeted in the FSDE Graduate Studies budget to cover the cost of teaching two additional graduate courses by full time faculty members.

In offering this course will UPEI require facilities or staff at other institutions: N/A
If yes, please explain. N/A

NEW COURSE PROPOSAL

Motion #14

Authorization	*Date:*
Departmental Approval: N/A	N/A
Faculty/School Approval:	February 16, 2022
Faculty Dean's Approval: Dr. Wayne Peters, Interim Dean	February 18, 2022
Graduate Studies Dean's Approval: Dr. Rabin Bissessur	February 19, 2022
Registrar's Office Approval: Darcy McCardle	March 10, 2022

Form Version: January 2022

NEW COURSE PROPOSAL   **Motion #14**

LIBRARY RESOURCE REQUIREMENTS FOR A NEW COURSE PROPOSAL

SDE 8101: ADVANCES IN BIORESOURCE ENGINEERING

Library Resource Requirements *(to be completed by the liaison and/or collections librarian)*

Existing resources:
- Aside from various monographs included in the library's physical collection – including a copy of the Machinery's Handbook – the library has access to these resources (search results from select resources have been provided as examples):
    - substantial ebook collections available through a range of license models, some of which require annual payments to continue access. A search of the library catalogue with the keywords "bioresource OR biofuel OR biomaterials OR biomass conversion" returned over 1900 results – predominantly ebooks. The library has ebook access deals with the following publishers:
        - O'Reilly Higher Education (formerly known as Safari)
            - 169 results for "(bioresource OR biofuel OR biomaterial OR "biomass conversion"), filtered on the topics Engineering, Materials Engineering, Fuel Cells, Chemical Engineering, Civil Engineering, Biology, Innovation, Electrical Engineering, Mechanical Engineering, and Science
        - EBSCO
        - Elsevier
        - Wiley
        - Springer
        - Sage
        - ProQuest
        - Taylor & Francis
        - DesLibris
        - JSTOR
    - CRC Handbook of Chemistry & Physics (maintained through subscription)
    - licensed access to Engineering-specific packages that may contain a combination of publication types, such as books, journals, and conference proceedings, and may include a mix of full text and abstract-only indexing:
        - INSPEC
        - EI Compendex
        - AccessEngineering
            - over 2300 results searching "(bioresource OR biofuel OR biomaterials OR "biomass conversion")"
        - IEEE/IET IEL Electronic Library (Xplore)
            - over 2800 results for "(bioresource OR biofuel OR biomaterials OR "biomass conversion")" published in the last 10 years
        - various engineering standards maintained through the MADCAD platform
    - licensed packages of widely multidisciplinary content that include substantial engineering-related materials:
        - EBSCO Discovery Service (OneSearch)
        - Academic Search Complete
            - over 70,000 results searching "engineer* AND (bioresource OR biofuel OR biomaterials OR "biomass conversion")" from within the last 10 years

NEW COURSE PROPOSAL   **Motion #14**

- ▪ Gale OneFile Academic
- ▪ Sage Research Methods
- ▪ Scopus
- o full-text of many engineering journals and content of relevance to the engineering programs provided through annual subscriptions to publisher-specific packages:
  - ▪ Elsevier (ScienceDirect)
    - ▪ over 81,000 results searching "(engineer OR engineering) AND (bioresource OR biofuel OR biomaterials OR "biomass conversion")", filtered to the last 10 years and the Engineering, Materials Science, Chemical Engineering, Energy, and Agriculture and Biological Sciences subject fields.
  - ▪ Wiley
  - ▪ Springer
  - ▪ Sage
  - ▪ Association of Computing Machinery (ACM Digital Library)
    - ▪ over 200 results using keyword search "engineer* AND (bioresource OR biofuel OR biomaterials OR "biomass conversion")" published in the last 10 years
  - ▪ Institute of Physics (IOP)
  - ▪ American Chemical Society (ACS Web Editions and SciFinder)
  - ▪ Royal Society of Chemistry
  - ▪ American Geosciences Institute (GeoRef and GeoScienceWorld)
  - ▪ American Mathematical Society (MathSciNet)
- o Other resources:
  - ▪ Streaming Video collections including:
    - ▪ Academic Videos Online (Proquest)
    - ▪ Audio Cine Films
    - ▪ Criterion on Demand
    - ▪ JoVE
    - ▪ NFB Campus
  - ▪ OED Online
  - ▪ Business Source Complete (journal articles and index)
  - ▪ CAB Abstracts (index with full-text ebooks, proceedings)
  - ▪ Statistics Canada data through NESSTAR and CHASS
  - ▪ New York Times, as well as many more regional, national, and international newspapers and news services
  - ▪ Additionally, we organize and provide guidance on several tools that are open access to the public, such as MEDLINE and SCOAP^3. We also collect extensively on PEI materials, which are accessed through the Special Collections services of the library and online on islandarchives.ca. Full list of resources is available at https://library.upei.ca/databases_all.

- ● Physical Space in Library (other than holdings, explain) - none
- ● Library Administrative/Research Support
  - o *Engineering Liaison librarian: Mackenzie Johnson*

Summary of additional budget allocation required:
- ● One-time: _____n/a_____ For each of __n/a_____ consecutive years
- ● Annual: _____n/a_____

NEW COURSE PROPOSAL   **Motion #14**

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o   Per-year percentage increase in annual: __n/a____

Does the budget allocation for library resources in this proposal meet the requirement?

Our existing holdings (as long as subscriptions are maintained) can support this course so no new budget allocation is required.

Date Received by Liaison/Collections Librarian	Feb 18, 2022
Name of Librarian to be Contacted for Questions	Mackenzie Johnson
Approved by University Librarian or Designate - Name	Donald Moses
Date Approved by UL or Designate	Feb. 25, 2022

SUMMARY OF FACULTY OF GRADUATE STUDIES MOTION #15

Doctor of Applied Health Program – Revised calendar entry (Admission Requirements)

CALENDAR AND CURRICULUM CHANGE   Motion #15

Revision is for a: **Calendar Entry Change.**
Faculty/School/Department: **Graduate Studies**
Department/Program(s)/Academic Regulations: **Doctor of Applied Health**
MOTION: To revise the admission requirements for the Doctor of Applied Health as proposed.

Reproduction of Current Calendar Entry	Proposed revision with changes underlined and deletions indicated clearly
Doctor of Applied Health (DrAH) UPEI's goal is to attract the highest quality of candidates with established commitment to health-related professions, as well as personal and professional development; and program graduates with the knowledge and competencies required to contribute to long-term health care transformation. Admission requirements to the Doctor of Applied Health program are as follows: 1. A student may be considered eligible for admission to the DrAH program if they have completed, at a minimum a 4 year bachelor's degree from an accredited university (note: a bachelor's degree with an Honours thesis or equivalent will be an asset). 2. Applicants to the Doctor of Applied Health program would normally have graduated with a minimum average of 75% or a Grade Point Average (GPA) of 3.0 (B) in the last 20 courses of a bachelor's program. 3. Two or more years of work experience in an area of health specialization such as healthcare, health service delivery, health promotion, health education, health studies or health science. Note: Completion of a health-related graduate degree in an applied health related field (such as a Master of Applied Health, Master of Applied Health Services Research, Master of Nursing, or Master in Global Affairs, Master of Health Science, Master of Science with a specialty in Health, Health Studies, Health Promotion, Health Education, or Health Sciences) will	**Doctor of Applied Health (DrAH)** The Doctor of Applied Health is a professional doctoral degree that promotes applied health knowledge for the application of strategies, interventions, programs, and methodologies that can improve the quality of life for individuals and communities. The Doctor of Applied Health is not a Medical Degree, nor does it provide credentials that lead to licensure for medical practice. UPEI's goal is to attract the highest quality of candidates with established commitment to health-related professions, as well as personal and professional development; and program graduates with the knowledge and competencies required to contribute to long-term health care transformation. Admission requirements to the Doctor of Applied Health program are as follows: 1. A student may be considered eligible for admission to the DrAH program if they have completed, at a minimum a 4 year bachelor's degree in a health-related field from an accredited university (note: a bachelor's degree with an Honours thesis or equivalent will be an asset). 2. Two or more years of work experience in an area of health specialization such as healthcare, health service delivery, health promotion, health education, health studies or health science. 3. Applicants to the Doctor of Applied Health program would normally have graduated with a minimum average of 75% or a Grade Point Average (GPA) of 3.0 (B) in the last 20 courses of a bachelor's program.

be considered an asset.

APPLICATION PROCESS
Applicants must submit the following to the University via the application portal at www.upei.ca/apply:

- a Graduate Application Form;
- a personal statement outlining background preparation and explaining why this particular program is a match for the applicant;
- a curriculum vitae;
- $50.00 Application Fee.

Applicants must ensure that the following items are forwarded directly to the university:

- three letters of reference, at least two academic; the third may be academic or may reflect volunteer or professional experience;
- official transcripts (undergraduate and graduate) from all post-secondary institutions at which courses have been taken.

All application materials must be received by March 1st of the calendar year the student wishes to enter the program.

4. It is strongly recommended that applicants have completed course work in qualitative and/or quantitative research methods.
5. Completion of a health-related graduate degree in an applied health related field (such as a Master of Applied Health; Master of Public Health; Master of Applied Health Services Research; Master of Nursing; Master of Global Affairs; Master of Health Science; or Master of Science with a specialty in Health, Health Studies, Health Promotion, Health Education, or Health Sciences), or equivalent experience in a health-related field will be considered an asset.

~~Note: Completion of a health-related graduate degree in an applied health related field (such as a Master of Applied Health, Master of Applied Health Services Research, Master of Nursing, or Master in Global Affairs, Master of Health Science, Master of Science with a specialty in Health, Health Studies, Health Promotion, Health Education, or Health Sciences) will be considered an asset.~~

APPLICATION PROCESS
Applicants must submit the following to the University via the application portal at www.upei.ca/apply:

- a Graduate Application Form;
- a personal statement outlining background preparation and explaining why this particular program is a match for the applicant;
- a curriculum vitae;
- $50.00 Application Fee.

Applicants must ensure that the following items are forwarded directly to the university:

- three letters of reference, at least two academic; the third may be academic or may reflect volunteer or professional experience;
- official transcripts (undergraduate and graduate) from all post-secondary institutions at which courses have been taken.

CALENDAR AND CURRICULUM CHANGE   Motion #15

	All application materials must be received by March 1st of the calendar year the student wishes to enter the program.

Rationale for Change: Make the admission requirements as in the original proposal approved by MPHEC.

Effective Term: FALL 2022   **Implications for Other Programs:** N/A

Impact on Students Currently Enrolled: N/A

Authorization	*Date:*
Departmental Approval: N/A	N/A
Faculty/School Approval: N/A	N/A
Faculty Dean's Approval: Rabin Bissessur	March 1, 2022
Grad. Studies Dean's Approval: Rabin Bissessur	March 1, 2022
Registrar's Office Approval: Darcy McCardle	March 15, 2022

SUMMARY OF FACULTY OF IKERAS MOTION #'S 16-27

New Calendar Entry – Minor in Indigenous Studies

New Course Proposals:

IKE 2000
IKE 2010
IKE 2020
IKE 2030
IKE 2042
IKE 2046
IKE 2055
IKE 2060
IKE 3065
IKE 3090
IKE 3062

NEW CALENDAR ENTRY   **Motion #16**

Faculty/School: **Indigenous Knowledge, Education, Research, and Applied Studies**
Department/Program(s): **IKERAS**
MOTION: To approve the addition of a new calendar entry for a Minor in Indigenous Studies as proposed

Proposed New Calendar Entry
IKERAS Minor in Indigenous Studies The Minor in Indigenous Studies is a cross-disciplinary program to provide a better understanding of the place and importance of the Indigenous history, culture and knowledge systems. The program starts with the broad teachings of Turtle Island and includes as part of the core courses the foundation stones of the Faculty of Indigenous Knowledge, Education, Research and Applied Studies (IKERAS) and importance of Indigenous knowledge and ways of knowing to the creation of a better globe and community. A Minor in Indigenous Studies offers students the ability to complement the learnings of their major degree. The carefully selected set of core courses and elective Indigenous courses provide the student knowledge that can be beneficial for future graduate studies or for integration into their careers going forward. Mi'kmaq culture and knowledge feature in a number of courses respecting whose land we are privileged to share knowledge on. All courses are taught by Indigenous instructors. **REQUIREMENTS FOR A MINOR IN INDIGENOUS STUDIES** A Minor in Indigenous Studies consists of twenty-one (21) semester hours of credit taken from the list of approved courses. The four core courses that must be taken to achieve a minor include: • IKE-1040 Indigenous Teachings of Turtle Island • IKE-2000 IKERAS Foundations • IKE-2020 Indigenous Peoples of Canada • IKE-3062 Introduction to Indigenous Knowledge and Worldviews In addition, students must select three IKERAS elective courses. Not all elective courses are offered every year. **Indigenous Studies Minor Core Courses** IKE-1040 Indigenous Teachings of Turtle Island IKE-2000 IKERAS Foundations IKE-2020 Indigenous Peoples of Canada IKE-3062 Introduction to Indigenous Knowledge and Worldviews **Elective Courses for Minor in Indigenous Studies** IKE-2010 Mi'kmaq Language I IKE-2030 Indigenous Knowledge and Climate Change IKE-2042 Introduction to Indigenous Music, Film, and Art IKE-2046 Indigenous Literature IKE-2055 Introduction to the Indian Act IKE-2060 Indigenous Food Across Turtle Island IKE-3065 Indigenous Health, Healing and Wellness IKE-3090 Special Topics Course

Rationale for New Calendar Entry: New Minor for IKERAS as the Faculty develops a full program.

Effective Term: FALL 2022   **Implications for Other Programs:** N/A

NEW CALENDAR ENTRY   **Motion #16**

Impact on Students Currently Enrolled: None

Resources Required: There is short-term funding in place to support the development and delivery of new courses under the Faculty of Indigenous Knowledge, Education, Research and Applied Studies.

Authorization	*Date:*
Departmental Approval: N/A	N/A
Faculty/School Approval: IKERAS	February 22, 2022
Faculty Dean's Approval: Gary Evans	February 22, 2022
Graduate Studies Dean's Approval: N/A	N/A
Registrar's Office Approval: Darcy McCardle	March 10, 2022

NEW COURSE PROPOSAL   **Motion #17**

Faculty/School: **Indigenous Knowledge, Education, Research, and Applied Studies**
Department/Program(s): **IKERAS Minor Indigenous Studies**
MOTION: That a new Minor Core course entitled IKE-2000 IKERAS Foundations be approved as proposed.

Course Number and Title	IKE-2000 IKERAS Foundations
Description	This course is based on the foundations that led to the creation of the IKERAS Faculty. The formation of the Faculty of Indigenous Knowledge, Education, Research and Applied Studies (IKERAS) is grounded in three prime documents; the 2015 Truth and Reconciliation Commissions (TRC) 94 Calls to action, the 2019 231 Calls to Justice by the National Inquiry into Missing and Murdered Indigenous Women and Girls (MMIWG) and the 2018 United Nations Declaration on the Rights of Indigenous Peoples (UNDRIP). Students will learn the importance of each document and why they represent the cornerstones to reconciliation.
Cross-Listing	No
Prerequisite/Co-Requisite	IKE-1040
Credit(s)	3
Notation	None

This is: A Core Course for Minor   **Grade Mode:** Numeric (Standard)

Anticipated Enrolment: 50   **Is there an Enrolment Cap:** Yes
50; to help maintain interest, discussion and meaningful participation.

Rationale for New Course: To fulfil the Federally mandated obligations of the TRC and the Calls to Justice for Missing and Murdered Indigenous Women & Two-Spirited People.

Effective Term: FALL 2022   **Implications for Other Programs:** This would be a core course for the Minor in Indigenous Studies.

Impact on Students Currently Enrolled: None

Resources Required: There is short-term funding in place to support the development and delivery of new courses under the Faculty of Indigenous Knowledge, Education, Research and Applied Studies.

In offering this course will UPEI require facilities or staff at other institutions: No

Authorization Date:

Departmental Approval: N/A	N/A
Faculty/School Approval: IKERAS	February 22, 2022
Faculty Dean's Approval: Gary Evans	February 22, 2022
Graduate Studies Dean's Approval: N/A	N/A
Registrar's Office Approval: Darcy McCardle	March 10, 2022

NEW COURSE PROPOSAL   Motion #17

LIBRARY RESOURCE REQUIREMENTS FOR A NEW COURSE PROPOSAL

IKE-2000 IKERAS Foundations

Library Resource Requirements *(to be completed by the liaison and/or collections librarian)*

The Library has made a budgetary request to purchase materials to provide access to books, videos, databases, and other resources in the APCC form included with the IKE-1040 New Course form previously submitted. This is a scholarly and research area that is growing and we have requested annual funding to support ongoing purchases and maintain subscriptions for these courses and the program.

Existing resources:
- Collections - Holdings, Subscriptions, Other
    - Books
        - The library has copies of the key documents referenced in the course description including:
            - *Final report of the Truth and Reconciliation Commission of Canada*. (available online and 7 copies in the collection)
            - *Reclaiming power and place : final report of the National Inquiry into Missing and Murdered Indigenous Women and Girls* (available online and 3 copies in the collection)
            - UN Declaration on the Rights of Indigenous Peoples (available online)
        - Relevant subject headings include:
            - Truth and Reconciliation Commission of Canada (43 results)
            - Truth commissions > Case studies (10 results)
            - Native women > Violence against > Canada (8 results)
            - Indigenous women > Violence against > Canada (20 results)
            - Indigenous peoples (International law) (36 results)
            - Declaration on the Rights of Indigenous Peoples (United Nations. General Assembly) (9 results)
            -
    - Databases
        - *OneSearch Full* (EBSCO)
        - *iPortal* (open)
        - *Academic Search Complete* (EBSCO)
        - *MLA International Bibliography* (EBSCO)
        - *America: History & Life* (EBSCO)
        - *SocIndex with Full Text* (EBSCO)
        - *CBCA (Canadian Business & Current Affairs)* (Proquest)
        - *DesLibris Canadian Electronic Library* (thousands of ebooks, tens of thousands of public documents - this database provides many documents relevant to this course area)
        - *Gale OneFile*
        - *Frontier Life: Borderlands, Settlement & Colonial Encounters* (Adam Matthew Digital, historical archive)
        - *CHASS/CANSIM* - Statistics Canada's socioeconomic database
        - National Centre for Truth and Reconciliation Archives
        - UN Human Rights Website

NEW COURSE PROPOSAL   **Motion #17**

- o Subscriptions
  - ▪ The Library provides access to a number of key journals in this field. <u>See spreadsheet</u>.
- o Streaming Video
  - ▪ NFB Campus (National Film Board)
    - ▪ Includes Indigenous People in Canada (First Nations and Metis) (41 videos), Indigenous Peoples in Canada (Inuit) (29 videos), and more
  - ▪ Curio (CBC news and documentary videos)
    - ▪ Provides access to theme collections including Residential Schools (38 videos), Truth and Reconciliation in Canada (16 videos), Missing and Murdered Indigenous Women (12 videos), Indigenous Language Revitalization (25 videos), and more.
  - ▪ Academic Videos Online
    - ▪ Over 150 videos
- ● Subscription Dependencies (in interdisciplinary packages)
  - o The Library subscribes to interdisciplinary journal packages with Elsevier (ScienceDirect), Wiley, Springer, Oxford, Sage, Taylor and Francis, and Project Muse.
  - o The Library subscribes to interdisciplinary ebook packages with Ebsco, Proquest, JStor, Wiley, Cambridge, Elsevier, and Project Muse.
- ● Physical Space in Library (other than holdings, explain)
- ● Library Administrative/Research Support

New resources needed to support this proposal:

See IKE-1040 New Course Proposal form where the new resources are detailed.

Does the budget allocation for library resources in this proposal meet the requirement?

In the IKE-1040 New Course APCC Form we highlighted library resource costs needed to support the entire program including this course. First year costs are $20,900 and annual costs following the first year are $11,300 (+3% annual increase). We have not yet determined the anticipated additional staffing costs that will be required to support library instruction. In addition, we have identified and would strongly recommend the purchase of additional one-time resources ($94,000 estimate) to support the full program when it is offered and should the budget allow.

Date Received by Liaison/Collections Librarian	Feb. 21, 2022
Name of Librarian to be Contacted for Questions	Courtney Matthews
Approved by University Librarian or Designate - Name	Donald Moses
Date Approved by UL or Designate	Feb. 25, 2022

Form Version: September 2021

NEW COURSE PROPOSAL   **Motion #18**

Faculty/School: **Faculty of Indigenous Knowledge, Education, Research and Applied Studies**
Department/Program(s) **IKERAS**
MOTION: That a new course entitled IKE-2010 Mi'kmaq Language I be approved as proposed.

Course Number and Title	IKE-2010 Mi'kmaq Language I
Description	This course is intended for students with no proficiency in the language. This course introduces the Mi'kmaq language, through the study of pronunciation, vocabulary and grammar. It includes numerous oral drills, frequent written exercises, short oral presentations and simple readings. The objectives are to improve listening comprehension and fundamental vocal expressiveness.
Cross-Listing	N/A
Prerequisite/Co-Requisite	No
Credit(s)	3
Notation	None

This is: An Elective Course   **Grade Mode:** Numeric (Standard)

Anticipated Enrolment: 30   **Is there an Enrolment Cap:** Yes
30; to help maintain interest, discussion and meaningful participation.

Rationale for New Course: To fulfil the Federally mandated obligations of the TRC and the Calls to Justice for Missing and Murdered Indigenous Women & Two-Spirited People.

Effective Term: FALL 2022   **Implications for Other Programs:** None

Impact on Students Currently Enrolled: None

Resources Required: There is short-term funding in place to support the development and delivery of new courses under the Faculty of Indigenous Knowledge, Education, Research and Applied Studies.

In offering this course will UPEI require facilities or staff at other institutions: No

Authorization	*Date:*
Departmental Approval: N/A	N/A
Faculty/School Approval: IKERAS	February 9, 2022
Faculty Dean's Approval: Gary Evans	February 9, 2022
Graduate Studies Dean's Approval: N/A	N/A
Registrar's Office Approval: Darcy McCardle	March 10, 2022

NEW COURSE PROPOSAL   **Motion #18**

LIBRARY RESOURCE REQUIREMENTS FOR A NEW COURSE PROPOSAL

IKE-2010 Mi'kmaq Language I

Library Resource Requirements *(to be completed by the liaison and/or collections librarian)*

The Library has made a budgetary request to purchase materials to provide access to books, videos, databases, and other resources in the APCC form included with the IKE-1040 New Course form previously submitted. This is a scholarly and research area that is growing and we have requested annual funding to support ongoing purchases and maintain subscriptions for these courses and the program.

Existing resources:
- Collections - Holdings, Subscriptions, Other
    - o Books
        - ▪ Relevant subject heading include:
            - ▪ Indians of North America (5,278)
            - ▪ *Mi'kmaq language (13)*
    - o Databases
        - ▪ *Academic Search Complete* (EBSCO)
        - ▪ *MLA International Bibliography* (EBSCO)
        - ▪ *America: History & Life* (EBSCO)
        - ▪ *SocIndex with Full Text* (EBSCO)
        - ▪ *CBCA (Canadian Business & Current Affairs)* (Proquest)
        - ▪ *DesLibris Canadian Electronic Library* (thousands of ebooks, tens of thousands of public documents)
        - ▪ *Frontier Life: Borderlands, Settlement & Colonial Encounters* (Adam Matthew Digital, historical archive)
        - ▪ *CHASS/CANSIM -* Statistics Canada's socioeconomic database
        - ▪ *Data Liberation Initiative (DLI)* (access to microdata individual level datasets)
    - o Journal Subscriptions
        - ▪ The Library provides access to a number of key journals in this field. See spreadsheet.
    - o Streaming Video
        - ▪ NFB Campus (National Film Board)
        - ▪ Includes Indigenous People in Canada (First Nations and Metis) (41 videos), Indigenous Peoples in Canada (Inuit) (29 videos), and more
    - o Curio (CBC news and documentary videos)
        - ▪ Provides access to theme collections including Residential Schools (38 videos), Truth and Reconciliation in Canada (16 videos), Indigenous Youth (22 videos), Indigenous Language Revitalization (25 videos), and more.
    - o Academic Videos Online
        - ▪ Over 150 videos
- Subscription Dependencies (in interdisciplinary packages)
    - o The Library subscribes to interdisciplinary journal packages with Elsevier (ScienceDirect), Wiley, Springer, Oxford, Sage, Taylor and Francis, and Project Muse.
    - o The Library subscribes to interdisciplinary ebook packages with Ebsco, Proquest, JStor, Wiley, Cambridge, Elsevier, and Project Muse.
- Special Collections

NEW COURSE PROPOSAL   **Motion #18**

- ○ Since the early 1970s, the Library has worked to acquire, preserve, and make available all published works (books, periodicals, reports, etc.) generated on or otherwise connected to Epekwitk / Île Saint-Jean / Prince Edward Island; this "PEI Collection" now encompasses ~12,000 titles, and continues to grow steadily, with an active acquisitions mandate. This mandate includes material relating to the Island's first inhabitants, the Mi'kmaq People. Going forward, the Library's Special Collections unit is committed to supporting IKERAS faculty, knowledge keepers, and learners through the continued acquisition of publications and other learning / research materials relating to the Mi'kmaq, and other Indigenous peoples in the Atlantic region.
- ● Physical Space in Library (other than holdings, explain)
- ● Library Administrative/Research Support
  - ○ Liaison Librarians provide reference and instruction support to both students and faculty as needed. They monitor publication lists for new titles in the subject area and purchase appropriate titles as existing budgetary resources permit.

New resources needed to support this proposal:

See IKE-1040 New Course Proposal form where the new resources are detailed.

Does the budget allocation for library resources in this proposal meet the requirement?

In the IKE-1040 New Course APCC Form we highlighted library resource costs needed to support the entire program including this course. First year costs are $20,900 and annual costs following the first year are $11,300 (+3% annual increase). We have not yet determined the anticipated additional staffing costs that will be required to support library instruction. In addition, we have identified and would strongly recommend the purchase of additional one-time resources ($94,000 estimate) to support the full program when it is offered and should the budget allow.

Date Received by Liaison/Collections Librarian	Feb. 21, 2022
Name of Librarian to be Contacted for Questions	Courtney Matthews
Approved by University Librarian or Designate - Name	Donald Moses
Date Approved by UL or Designate	Feb. 25, 2022

NEW COURSE PROPOSAL   **Motion #19**

Faculty/School: **Faculty of Indigenous Knowledge, Education, Research and Applied Studies**
Department/Program(s): **Minor IKERAS Indigenous Studies**
MOTION: That a new Minor Core course entitled IKE-2020 Indigenous Peoples in Canada be approved as proposed.

Course Number and Title	IKE-2020 Indigenous Peoples in Canada
Description	Students will be introduced to the historical and contemporary social, economic, legal and political perspectives of First Nations, Inuit, and Métis peoples in Canada. Using anthropological and sociological theories and scholarly work, as well as 'experiencing' cultural practices through 'community connections' and visual culture, the primary focus will be to develop a student's understanding of and respect for Indigenous peoples in Canada.
Cross-Listing	SAN 2220
Prerequisite/Co-Requisite	IKE-1040
Credit(s)	3
Notation	None

This is: A Core Course   **Grade Mode:** Numeric (Standard)

Anticipated Enrolment: 50   **Is there an Enrolment Cap:** Yes
50; to help maintain interest, discussion and meaningful participation.

Rationale for New Course: To fulfil the Federally mandated obligations of the TRC and the Calls to Justice for Missing and Murdered Indigenous Women & Two-Spirited People.

Effective Term: FALL 2022   **Implications for Other Programs:** No Implications.

Impact on Students Currently Enrolled: None

Resources Required: There is short-term funding in place to support the development and delivery of new courses under the Faculty of Indigenous Knowledge, Education, Research and Applied Studies.

In offering this course will UPEI require facilities or staff at other institutions: No

Authorization	*Date:*
Departmental Approval: N/A	N/A
Faculty/School Approval: IKERAS	February 22, 2022
Faculty Dean's Approval: Gary Evans	February 22, 2022
Graduate Studies Dean's Approval: N/A	N/A
Registrar's Office Approval: Darcy McCardle	March 10, 2022

NEW COURSE PROPOSAL   **Motion #19**

LIBRARY RESOURCE REQUIREMENTS FOR A NEW COURSE PROPOSAL

IKE-2020 Indigenous Peoples in Canada

Library Resource Requirements *(to be completed by the liaison and/or collections librarian)*

The Library has made a budgetary request to purchase materials to provide access to books, videos, databases, and other resources in the APCC form included with the IKE-1040 New Course form previously submitted. This is a scholarly and research area that is growing and we have requested annual funding to support ongoing purchases and maintain subscriptions for these courses and the program.

Existing resources:
- Collections - Holdings, Subscriptions, Other
  - Books
    - Relevant subject headings include:
      - Indians of North America (5,278)
      - Indians of North America > Canada. (1530)
      - Indigenous peoples > Canada (897)
      - Indigenous peoples > Canada > Social conditions > Statistics (169)
      - Inuit > Canada (313)
      - Métis > Canada (12)

  - Databases
    - *Academic Search Complete* (EBSCO)
    - *MLA International Bibliography* (EBSCO)
    - *America: History & Life* (EBSCO)
    - *SocIndex with Full Text* (EBSCO)
    - *CBCA (Canadian Business & Current Affairs)* (Proquest)
    - *DesLibris Canadian Electronic Library* (thousands of ebooks, tens of thousands of public documents)
    - *Frontier Life: Borderlands, Settlement & Colonial Encounters* (Adam Matthew Digital, historical archive)
    - *CHASS/CANSIM* - Statistics Canada's socioeconomic database
  - Journal Subscriptions
    - The Library provides access to a number of key journals in this field. See spreadsheet.
  - Streaming Video
    - NFB Campus (National Film Board)
    - Includes Indigenous People in Canada (First Nations and Metis) (41 videos), Indigenous Peoples in Canada (Inuit) (29 videos), and more
  - Curio (CBC news and documentary videos)
    - Provides access to theme collections including Residential Schools (38 videos), Truth and Reconciliation in Canada (16 videos), Indigenous Youth (22 videos), Indigenous Language Revitalization (25 videos), and more.
  - Academic Videos Online
    - Over 150 videos
- Subscription Dependencies (in interdisciplinary packages)

NEW COURSE PROPOSAL   **Motion #19**

- o The Library subscribes to interdisciplinary journal packages with Elsevier (ScienceDirect), Wiley, Springer, Oxford, Sage, Taylor and Francis, and Project Muse.
- o The Library subscribes to interdisciplinary ebook packages with Ebsco, Proquest, JStor, Wiley, Cambridge, Elsevier, and Project Muse.
- Physical Space in Library (other than holdings, explain)
- Library Administrative/Research Support
  - o Liaison Librarians provide reference and instruction support to both students and faculty as needed. They monitor publication lists for new titles in the subject area and purchase appropriate titles as existing budgetary resources permit.

New resources needed to support this proposal:

See IKE-1040 New Course Proposal form where the new resources are detailed.

Does the budget allocation for library resources in this proposal meet the requirement?

In the IKE-1040 New Course APCC Form we highlighted library resource costs needed to support the entire program including this course. First year costs are $20,900 and annual costs following the first year are $11,300 (+3% annual increase). We have not yet determined the anticipated additional staffing costs that will be required to support library instruction. In addition, we have identified and would strongly recommend the purchase of additional one-time resources ($94,000 estimate) to support the full program when it is offered and should the budget allow.

Date Received by Liaison/Collections Librarian	Feb. 21, 2022
Name of Librarian to be Contacted for Questions	Courtney Matthews
Approved by University Librarian or Designate - Name	Donald Moses
Date Approved by UL or Designate	Feb. 25, 2022

NEW COURSE PROPOSAL   Motion #20

Faculty/School: **Faculty of Indigenous Knowledge, Education, Research and Applied Studies**
Department/Program(s): **IKERAS**
MOTION: That a new course entitled IKE-2030 Indigenous Knowledge and Climate Change be approved as proposed.

Course Number and Title	IKE-2030 Indigenous Knowledge and Climate Change
Description	This course brings knowledge of Canadian Indigenous communities' relationship to the environment as valuable lessons for understanding climate vulnerability, impacts and adaptation. Students will be led by a local First Nations teacher whose valuable insights to implementing efficient uses of our land and spiritual relationships with nature can assist in addressing global sustainability. Three hours a week; Three semester hours
Cross-Listing	ACC-2030
Prerequisite/Co-Requisite	No
Credit(s)	3
Notation	None

This is: An Elective Course   **Grade Mode:** Numeric (Standard)

Anticipated Enrolment: 50   **Is there an Enrolment Cap:** No

Rationale for New Course: To fulfil the Federally mandated obligations of the TRC and the Calls to Justice for Missing and Murdered Indigenous Women & Two-Spirited People.

Effective Term: FALL 2022   **Implications for Other Programs:** None

Impact on Students Currently Enrolled: None

Resources Required: There is short-term funding in place to support the development and delivery of new courses under the Faculty of Indigenous Knowledge, Education, Research and Applied Studies.

In offering this course will UPEI require facilities or staff at other institutions: No

Authorization	*Date:*
Departmental Approval: N/A	N/A
Faculty/School Approval: IKERAS	February 9, 2022
Faculty Dean's Approval: Gary Evans	February 9, 2022
Graduate Studies Dean's Approval: N/A	N/A
Registrar's Office Approval: Darcy McCardle	March 10, 2022

NEW COURSE PROPOSAL   **Motion #20**

LIBRARY RESOURCE REQUIREMENTS FOR A NEW COURSE PROPOSAL

IKE-2030 Indigenous Knowledge and Climate Change

Library Resource Requirements *(to be completed by the liaison and/or collections librarian)*

The Library has made a budgetary request to purchase materials to provide access to books, videos, databases, and other resources in the APCC form included with the IKE-1040 New Course form previously submitted. This is a scholarly and research area that is growing and we have requested annual funding to support ongoing purchases and maintain subscriptions for these courses and the program.

Existing resources:
- Collections - Holdings, Subscriptions, Other
    - Books
        - ▪ Relevant subject headings include:
            - ▪ Indians of North America (5,278)
            - ▪ Indigenous peoples > Ecology > Case studies (4)
            - ▪ Traditional ecological knowledge (118)
            - ▪ Traditional ecological knowledge > Canada (23)
            - ▪ Ethnoecology > Canada (4)
            - ▪ Climatic changes > Case studies (34)
    - Databases
        - ▪ *Academic Search Complete* (EBSCO)
        - ▪ *MLA International Bibliography* (EBSCO)
        - ▪ *America: History & Life* (EBSCO)
        - ▪ *SocIndex with Full Text* (EBSCO)
        - ▪ *CBCA (Canadian Business & Current Affairs)* (Proquest)
        - ▪ *DesLibris Canadian Electronic Library* (thousands of ebooks, tens of thousands of public documents)
        - ▪ *Frontier Life: Borderlands, Settlement & Colonial Encounters* (Adam Matthew Digital, historical archive)
        - ▪ *CHASS/CANSIM* - Statistics Canada's socioeconomic database
    - Journal Subscriptions
        - ▪ The Library provides access to a number of key journals in this field. See spreadsheet.
    - Streaming Video
        - ▪ NFB Campus (National Film Board)
        - ▪ Includes Indigenous People in Canada (First Nations and Metis) (41 videos), Indigenous Peoples in Canada (Inuit) (29 videos), and more
    - Curio (CBC news and documentary videos)
        - ▪ Provides access to theme collections including Residential Schools (38 videos), Truth and Reconciliation in Canada (16 videos), Indigenous Youth (22 videos), Indigenous Language Revitalization (25 videos), and more.
    - Academic Videos Online
        - ▪ Over 150 videos
- Subscription Dependencies (in interdisciplinary packages)

NEW COURSE PROPOSAL   **Motion #20**

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- o The Library subscribes to interdisciplinary journal packages with Elsevier (ScienceDirect), Wiley, Springer, Oxford, Sage, Taylor and Francis, and Project Muse.
- o The Library subscribes to interdisciplinary ebook packages with Ebsco, Proquest, JStor, Wiley, Cambridge, Elsevier, and Project Muse.
- ● Physical Space in Library (other than holdings, explain)
- ● Library Administrative/Research Support
  - o Liaison Librarians provide reference and instruction support to both students and faculty as needed. They monitor publication lists for new titles in the subject area and purchase appropriate titles as existing budgetary resources permit.

New resources needed to support this proposal:

See IKE-1040 New Course Proposal form where the new resources are detailed.

Does the budget allocation for library resources in this proposal meet the requirement?

In the IKE-1040 New Course APCC Form we highlighted library resource costs needed to support the entire program including this course. First year costs are $20,900 and annual costs following the first year are $11,300 (+3% annual increase). We have not yet determined the anticipated additional staffing costs that will be required to support library instruction. In addition, we have identified and would strongly recommend the purchase of additional one-time resources ($94,000 estimate) to support the full program when it is offered and should the budget allow.

Date Received by Liaison/Collections Librarian	Feb. 21, 2022
Name of Librarian to be Contacted for Questions	Courtney Matthews
Approved by University Librarian or Designate - Name	Donald Moses
Date Approved by UL or Designate	Feb. 25, 2022

Form Version: September 2021

NEW COURSE PROPOSAL   **Motion #21**

Faculty/School: **Faculty of Indigenous Knowledge, Education, Research and Applied Studies**
Department/Program(s): **Minor IKERAS Indigenous Studies**
MOTION: That a new course entitled IKE-2042 Introduction to Indigenous Music, Film, and Art be approved as proposed.

Course Number and Title	IKE-2042 Introduction to Indigenous Music, Film, and Art
Description	Students will be introduced to the evolution of Music, Film, and Art of Indigenous First Nations, Inuit, and Métis peoples in Canada. Students will develop an understanding of how these works represent spiritual and living narratives, how these were shaped, and continue to be shaped, thus defining the lives of Indigenous peoples in Canada.
Cross-Listing	No
Prerequisite/Co-Requisite	None
Credit(s)	3
Notation	None

This is: An Elective Course   **Grade Mode:** Numeric (Standard)

Anticipated Enrolment: 30   **Is there an Enrolment Cap:** Yes
30; to help maintain interest, discussion and meaningful participation.

Rationale for New Course: To fulfil the Federally mandated obligations of the TRC and the Calls to Justice for Missing and Murdered Indigenous Women & Two-Spirited People.

Effective Term: FALL 2022   **Implications for Other Programs:** No Implications

Impact on Students Currently Enrolled: None

Resources Required: There is short-term funding in place to support the development and delivery of new courses under the Faculty of Indigenous Knowledge, Education, Research and Applied Studies.

In offering this course will UPEI require facilities or staff at other institutions: No

Authorization	*Date:*
Departmental Approval: N/A	N/A
Faculty/School Approval: IKERAS	February 22, 2022
Faculty Dean's Approval: Gary Evans	February 22, 2022
Graduate Studies Dean's Approval: N/A	N/A
Registrar's Office Approval: Darcy McCardle	March 10, 2022

NEW COURSE PROPOSAL   **Motion #21**

LIBRARY RESOURCE REQUIREMENTS FOR A NEW COURSE PROPOSAL

IKE-2042 Introduction to Indigenous Music, Film, and Art

Library Resource Requirements *(to be completed by the liaison and/or collections librarian)*

The Library has made a budgetary request to purchase materials to provide access to books, videos, databases, and other resources in the APCC form included with the IKE-1040 New Course form previously submitted. This is a scholarly and research area that is growing and we have requested annual funding to support ongoing purchases and maintain subscriptions for these courses and the program.

Existing resources:
- Collections - Holdings, Subscriptions, Other
    - Books
        - Relevant subject headings include:
            - Indians of North America (5,278)
            - Indigenous art (34)
            - Indians of North America > Music > History and criticism.
            - Indian dance > North America (25)
            - Appropriation (Arts) > Canada (5)
            - Indigenous films > British Columbia > Vancouver (2)
    - Databases
        - *Academic Search Complete* (EBSCO)
        - *MLA International Bibliography* (EBSCO)
        - *America: History & Life* (EBSCO)
        - *SocIndex with Full Text* (EBSCO)
        - *CBCA (Canadian Business & Current Affairs)* (Proquest)
        - *DesLibris Canadian Electronic Library* (thousands of ebooks, tens of thousands of public documents)
        - *Frontier Life: Borderlands, Settlement & Colonial Encounters* (Adam Matthew Digital, historical archive)
        - *CHASS/CANSIM* - Statistics Canada's socioeconomic database
    - Journal Subscriptions
        - The Library provides access to a number of key journals in this field. See spreadsheet.
    - Streaming Video
        - NFB Campus (National Film Board)
        - Includes Indigenous People in Canada (First Nations and Metis) (41 videos), Indigenous Peoples in Canada (Inuit) (29 videos), and more
    - Curio (CBC news and documentary videos)
        - Provides access to theme collections including Residential Schools (38 videos), Truth and Reconciliation in Canada (16 videos), Indigenous Youth (22 videos), Indigenous Language Revitalization (25 videos), and more.
    - Academic Videos Online
        - Over 150 videos
- Subscription Dependencies (in interdisciplinary packages)

NEW COURSE PROPOSAL   **Motion #21**

- o The Library subscribes to interdisciplinary journal packages with Elsevier (ScienceDirect), Wiley, Springer, Oxford, Sage, Taylor and Francis, and Project Muse.
- o The Library subscribes to interdisciplinary ebook packages with Ebsco, Proquest, JStor, Wiley, Cambridge, Elsevier, and Project Muse.
- Physical Space in Library (other than holdings, explain)
- Library Administrative/Research Support
  - o Liaison Librarians provide reference and instruction support to both students and faculty as needed. They monitor publication lists for new titles in the subject area and purchase appropriate titles as existing budgetary resources permit.

New resources needed to support this proposal:

See IKE-1040 New Course Proposal form where the new resources are detailed.

Does the budget allocation for library resources in this proposal meet the requirement?

In the IKE-1040 New Course APCC Form we highlighted library resource costs needed to support the entire program including this course. First year costs are $20,900 and annual costs following the first year are $11,300 (+3% annual increase). We have not yet determined the anticipated additional staffing costs that will be required to support library instruction. In addition, we have identified and would strongly recommend the purchase of additional one-time resources ($94,000 estimate) to support the full program when it is offered and should the budget allow.

Date Received by Liaison/Collections Librarian	Feb. 21, 2022
Name of Librarian to be Contacted for Questions	Courtney Matthews
Approved by University Librarian or Designate - Name	Donald Moses
Date Approved by UL or Designate	Feb. 25, 2022

Form Version: September 2021

NEW COURSE PROPOSAL

Motion #22

Faculty/School: **Faculty of Indigenous Knowledge, Education, Research and Applied Studies**
Department/Program(s): **IKERAS Minor Indigenous Studies**
MOTION: That a new course entitled IKE-2046 Indigenous Literature be approved as proposed.

Course Number and Title	IKE-2046 Indigenous Literature
Description	This course will serve as an introductory survey to Indigenous literature on Turtle Island (what is now Canada, the US and Mexico). The work we study will span the period often called the Native Literary Renaissance, and the years immediately preceding this, from 1954 onwards. This was a time when work written by Indigenous writers reaches a main-stream non-Indigenous, non-academic audience.
Cross-Listing	No
Prerequisite/Co-Requisite	IKE-1040
Credit(s)	3
Notation	None

This is: An Elective Course

Grade Mode: Numeric (Standard)

Anticipated Enrolment: 30

Is there an Enrolment Cap: Yes

30; to help maintain interest, discussion and meaningful participation.

Rationale for New Course: To fulfil the Federally mandated obligations of the TRC and the Calls to Justice for Missing and Murdered Indigenous Women & Two-Spirited People.

Effective Term: FALL 2022

Implications for Other Programs: No Implications.

Impact on Students Currently Enrolled: None

Resources Required: There is short-term funding in place to support the development and delivery of new courses under the Faculty of Indigenous Knowledge, Education, Research and Applied Studies.

In offering this course will UPEI require facilities or staff at other institutions: No

Authorization	*Date:*
Departmental Approval: N/A	N/A
Faculty/School Approval: IKERAS	February 22, 2022
Faculty Dean's Approval: Gary Evans	February 22, 2022
Graduate Studies Dean's Approval: N/A	N/A
Registrar's Office Approval: Darcy McCardle	March 10, 2022

NEW COURSE PROPOSAL

Motion #22

LIBRARY RESOURCE REQUIREMENTS FOR A NEW COURSE PROPOSAL

IKE-2046 Indigenous Literature

Library Resource Requirements *(to be completed by the liaison and/or collections librarian)*

The Library has made a budgetary request to purchase materials to provide access to books, videos, databases, and other resources in the APCC form included with the IKE-1040 New Course form previously submitted. This is a scholarly and research area that is growing and we have requested annual funding to support ongoing purchases and maintain subscriptions for these courses and the program.

Existing resources:
- Collections - Holdings, Subscriptions, Other
  - Books
    - Relevant subject headings include:
      - Indians of North America (5,278)
      - Canadian literature > Indian authors > History and criticism (66);
      - American literature > Indian authors > History and criticism (165);
      - Mexican literature > Indian authors > History and criticism (9);
      - American fiction > Indian authors > History and criticism (25);
      - Canadian fiction > Indian authors > History and criticism (7);
  - Databases
    - *Academic Search Complete* (EBSCO)
    - *MLA International Bibliography* (EBSCO)
    - *America: History & Life* (EBSCO)
    - *SocIndex with Full Text* (EBSCO)
    - *CBCA (Canadian Business & Current Affairs)* (Proquest)
    - *DesLibris Canadian Electronic Library* (thousands of ebooks, tens of thousands of public documents)
    - *Frontier Life: Borderlands, Settlement & Colonial Encounters* (Adam Matthew Digital, historical archive)
    - *CHASS/CANSIM* - Statistics Canada's socioeconomic database
  - Journal Subscriptions
    - The Library provides access to a number of key journals in this field. See spreadsheet.
  - Streaming Video
    - NFB Campus (National Film Board)
    - Includes Indigenous People in Canada (First Nations and Metis) (41 videos), Indigenous Peoples in Canada (Inuit) (29 videos), and more
  - Curio (CBC news and documentary videos)
    - Provides access to theme collections including Residential Schools (38 videos), Truth and Reconciliation in Canada (16 videos), Indigenous Youth (22 videos), Indigenous Language Revitalization (25 videos), and more.
  - Academic Videos Online
    - Over 150 videos
- Subscription Dependencies (in interdisciplinary packages)
  - The Library subscribes to interdisciplinary journal packages with Elsevier (ScienceDirect), Wiley, Springer, Oxford, Sage, Taylor and Francis, and Project Muse.

NEW COURSE PROPOSAL   **Motion #22**

- o The Library subscribes to interdisciplinary ebook packages with Ebsco, Proquest, JStor, Wiley, Cambridge, Elsevier, and Project Muse.
- Physical Space in Library (other than holdings, explain)
- Library Administrative/Research Support
   - o Liaison Librarians provide reference and instruction support to both students and faculty as needed. They monitor publication lists for new titles in the subject area and purchase appropriate titles as existing budgetary resources permit.

New resources needed to support this proposal:

See IKE-1040 New Course Proposal form where the new resources are detailed.

Does the budget allocation for library resources in this proposal meet the requirement?

In the IKE-1040 New Course APCC Form we highlighted library resource costs needed to support the entire program including this course. First year costs are $20,900 and annual costs following the first year are $11,300 (+3% annual increase). We have not yet determined the anticipated additional staffing costs that will be required to support library instruction. In addition, we have identified and would strongly recommend the purchase of additional one-time resources ($94,000 estimate) to support the full program when it is offered and should the budget allow.

Date Received by Liaison/Collections Librarian	Feb. 21, 2022
Name of Librarian to be Contacted for Questions	Courtney Matthews
Approved by University Librarian or Designate - Name	Donald Moses
Date Approved by UL or Designate	Feb. 25, 2022

Form Version: September 2021

NEW COURSE PROPOSAL   **Motion #23**

Faculty/School: **Faculty of Indigenous Knowledge, Education, Research and Applied Studies**
Department/Program(s): **IKERAS Minor Indigenous Studies**
MOTION: That a new course entitled IKE-2055 Introduction to the Indian Act be approved as proposed.

Course Number and Title	IKE-2055 Introduction to the Indian Act
Description	Students will be introduced to the Indian Act which has dominated, impacted and shaped the lives of Indigenous peoples in Canada since its inception in 1876. Students will develop an understanding of the purpose of the Act, and how through its many amendments it continues to serve as an apparatus of power and control over all aspects of Indigenous peoples' lives. This course will examine why this discriminatory framework is not so easily abolished, and will challenge students thinking about broader issues of much needed change within colonial institutions.
Cross-Listing	No
Prerequisite/Co-Requisite	None
Credit(s)	3
Notation	None

This is: An Elective Course   **Grade Mode:** Numeric (Standard)

Anticipated Enrolment: 30   **Is there an Enrolment Cap:** Yes
30; to help maintain interest, discussion and meaningful participation.

Rationale for New Course: To fulfil the Federally mandated obligations of the TRC and the Calls to Justice for Missing and Murdered Indigenous Women & Two-Spirited People.

Effective Term: FALL 2022   **Implications for Other Programs:** No Implications.

Impact on Students Currently Enrolled: None

Resources Required: There is short-term funding in place to support the development and delivery of new courses under the Faculty of Indigenous Knowledge, Education, Research and Applied Studies.

In offering this course will UPEI require facilities or staff at other institutions: No

Authorization	*Date:*
Departmental Approval: N/A	N/A
Faculty/School Approval: IKERAS	February 22, 2022
Faculty Dean's Approval: Gary Evans	February 22, 2022
Graduate Studies Dean's Approval: N/A	N/A
Registrar's Office Approval: Darcy McCardle	March 10, 2022

NEW COURSE PROPOSAL   **Motion #23**

LIBRARY RESOURCE REQUIREMENTS FOR A NEW COURSE PROPOSAL

IKE-2055 Introduction to the Indian Act

Library Resource Requirements *(to be completed by the liaison and/or collections librarian)*

The Library has made a budgetary request to purchase materials to provide access to books, videos, databases, and other resources in the APCC form included with the IKE-1040 New Course form previously submitted. This is a scholarly and research area that is growing and we have requested annual funding to support ongoing purchases and maintain subscriptions for these courses and the program.

Existing resources:
- Collections - Holdings, Subscriptions, Other
  - Books
    - Relevant subject headings include:
      - Indians of North America (5,278)
      - Canada. Indian Act (36)
      - Indians of North America > Canada > Government relations (393)
      - Indians of North America > Legal status, laws, etc. > Canada (203)
      - Indians of North America > Canada > Treaties (71)
  - Databases
    - *Academic Search Complete* (EBSCO)
    - *MLA International Bibliography* (EBSCO)
    - *America: History & Life* (EBSCO)
    - *SocIndex with Full Text* (EBSCO)
    - *CBCA (Canadian Business & Current Affairs)* (Proquest)
    - *DesLibris Canadian Electronic Library* (thousands of ebooks, tens of thousands of public documents)
    - *Frontier Life: Borderlands, Settlement & Colonial Encounters* (Adam Matthew Digital, historical archive)
    - *CHASS/CANSIM* - Statistics Canada's socioeconomic database
  - Journal Subscriptions
    - The Library provides access to a number of key journals in this field. See spreadsheet.
  - Streaming Video
    - NFB Campus (National Film Board)
    - Includes Indigenous People in Canada (First Nations and Metis) (41 videos), Indigenous Peoples in Canada (Inuit) (29 videos), and more
  - Curio (CBC news and documentary videos)
    - Provides access to theme collections including Residential Schools (38 videos), Truth and Reconciliation in Canada (16 videos), Indigenous Youth (22 videos), Indigenous Language Revitalization (25 videos), and more.
  - Academic Videos Online
    - Over 150 videos
- Subscription Dependencies (in interdisciplinary packages)
  - The Library subscribes to interdisciplinary journal packages with Elsevier (ScienceDirect), Wiley, Springer, Oxford, Sage, Taylor and Francis, and Project Muse.
  - The Library subscribes to interdisciplinary ebook packages with Ebsco, Proquest, JStor, Wiley, Cambridge, Elsevier, and Project Muse.

NEW COURSE PROPOSAL   Motion #23

- Physical Space in Library (other than holdings, explain)
- Library Administrative/Research Support
    - Liaison Librarians provide reference and instruction support to both students and faculty as needed. They monitor publication lists for new titles in the subject area and purchase appropriate titles as existing budgetary resources permit

New resources needed to support this proposal:

See IKE-1040 New Course Proposal form where the new resources are detailed.

Does the budget allocation for library resources in this proposal meet the requirement?

In the IKE-1040 New Course APCC Form we highlighted library resource costs needed to support the entire program including this course. First year costs are $20,900 and annual costs following the first year are $11,300 (+3% annual increase). We have not yet determined the anticipated additional staffing costs that will be required to support library instruction. In addition, we have identified and would strongly recommend the purchase of additional one-time resources ($94,000 estimate) to support the full program when it is offered and should the budget allow.

Date Received by Liaison/Collections Librarian	Feb. 21, 2022
Name of Librarian to be Contacted for Questions	Courtney Matthews
Approved by University Librarian or Designate - Name	Donald Moses
Date Approved by UL or Designate	Feb. 25, 2022

Form Version: September 2021

NEW COURSE PROPOSAL   **Motion #24**

Faculty/School: **Faculty of Indigenous Knowledge, Education, Research and Applied Studies**
Department/Program(s): **IKERAS Minor Indigenous Studies**
MOTION: That a new course entitled IKE-2060 Indigenous Food across Turtle Island be approved as proposed.

Course Number and Title	IKE-2060 Indigenous Food across Turtle Island
Description	Food cultivation and the development of an extraordinary agriculture and network of trade will be explored. The storage, processing, preparation, and transportation of food will also a critical component of this course. The current diabetes and other health epidemics amongst Indigenous Peoples will be addressed; also, how these may be effectively combatted through traditional foods and nutrition. There will be a hands-on opportunity of working with a pre-contact style Mi'kmaq garden and with the preparation and cooking of traditional Mi'kmaq foods.
Cross-Listing	No
Prerequisite/Co-Requisite	No
Credit(s)	3
Notation	None

This is: An Elective Course   **Grade Mode:** Numeric (Standard)

Anticipated Enrolment: 30   **Is there an Enrolment Cap:** Yes
30; to help maintain interest, discussion and meaningful participation.

Rationale for New Course: To fulfil the Federally mandated obligations of the TRC and the Calls to Justice for Missing and Murdered Indigenous Women & Two-Spirited People.

Effective Term: FALL 2022   **Implications for Other Programs:** No Implications

Impact on Students Currently Enrolled: None

Resources Required: There is short-term funding in place to support the development and delivery of new courses under the Faculty of Indigenous Knowledge, Education, Research and Applied Studies.

In offering this course will UPEI require facilities or staff at other institutions: No

Authorization	*Date:*
Departmental Approval: N/A	N/A
Faculty/School Approval: IKERAS	February 22, 2022
Faculty Dean's Approval: Gary Evans	February 22, 2022
Graduate Studies Dean's Approval: N/A	N/A
Registrar's Office Approval: Darcy McCardle	March 10, 2022

NEW COURSE PROPOSAL   **Motion #24**

LIBRARY RESOURCE REQUIREMENTS FOR A NEW COURSE PROPOSAL

IKE-2060 Indigenous Food across Turtle Island

The Library has made a budgetary request to purchase materials to provide access to books, videos, databases, and other resources in the APCC form included with the IKE-1040 New Course form previously submitted. This is a scholarly and research area that is growing and we have requested annual funding to support ongoing purchases and maintain subscriptions for these courses and the program.

Existing resources:
- Collections - Holdings, Subscriptions, Other
  - o Books
    - ▪ Relevant subject headings include:
      - ▪ Indians of North America (5,278)
      - ▪ Indians of North America > Food (37)
      - ▪ Indians > Agriculture (102)
      - ▪ Indian cooking (17)
  - o Databases
    - ▪ *Academic Search Complete* (EBSCO)
    - ▪ *MLA International Bibliography* (EBSCO)
    - ▪ *America: History & Life* (EBSCO)
    - ▪ *SocIndex with Full Text* (EBSCO)
    - ▪ *CBCA (Canadian Business & Current Affairs)* (Proquest)
    - ▪ *DesLibris Canadian Electronic Library* (thousands of ebooks, tens of thousands of public documents)
    - ▪ *Frontier Life: Borderlands, Settlement & Colonial Encounters* (Adam Matthew Digital, historical archive)
    - ▪ *CHASS/CANSIM* - Statistics Canada's socioeconomic database
    - ▪ *Data Liberation Initiative (DLI)* - access to microdata individual level datasets
  - o Journal Subscriptions
    - ▪ The Library provides access to a number of key journals in this field. See spreadsheet.
  - o Streaming Video
    - ▪ NFB Campus (National Film Board)
    - ▪ Includes Indigenous People in Canada (First Nations and Metis) (41 videos), Indigenous Peoples in Canada (Inuit) (29 videos), and more
  - o Curio (CBC news and documentary videos)
    - ▪ Provides access to theme collections including Residential Schools (38 videos), Truth and Reconciliation in Canada (16 videos), Indigenous Youth (22 videos), Indigenous Language Revitalization (25 videos), and more.
  - o Academic Videos Online
    - ▪ Over 150 videos
- Subscription Dependencies (in interdisciplinary packages)
  - o The Library subscribes to interdisciplinary journal packages with Elsevier (ScienceDirect), Wiley, Springer, Oxford, Sage, Taylor and Francis, and Project Muse.
  - o The Library subscribes to interdisciplinary ebook packages with Ebsco, Proquest, JStor, Wiley, Cambridge, Elsevier, and Project Muse.
- Physical Space in Library (other than holdings, explain)
- Library Administrative/Research Support

NEW COURSE PROPOSAL   **Motion #24**

- o Liaison Librarians provide reference and instruction support to both students and faculty as needed. They monitor publication lists for new titles in the subject area and purchase appropriate titles as existing budgetary resources permit

New resources needed to support this proposal:

See IKE-1040 New Course Proposal form where the new resources are detailed.

Does the budget allocation for library resources in this proposal meet the requirement?

In the IKE-1040 New Course APCC Form we highlighted library resource costs needed to support the entire program including this course. First year costs are $20,900 and annual costs following the first year are $11,300 (+3% annual increase). We have not yet determined the anticipated additional staffing costs that will be required to support library instruction. In addition, we have identified and would strongly recommend the purchase of additional one-time resources ($94,000 estimate) to support the full program when it is offered and should the budget allow.

Date Received by Liaison/Collections Librarian	Feb. 21, 2022
Name of Librarian to be Contacted for Questions	Courtney Matthews
Approved by University Librarian or Designate - Name	Donald Moses
Date Approved by UL or Designate	Feb. 25, 2022

Form Version: September 2021

NEW COURSE PROPOSAL   **Motion #25**

Faculty/School: **Faculty of Indigenous Knowledge, Education, Research and Applied Studies**
Department/Program(s): **Minor IKERAS Indigenous Studies**
MOTION: That a new course entitled IKE-3065 Indigenous Health, Healing and Wellness be approved as proposed.

Course Number and Title	IKE-3065 Indigenous Health, Healing and Wellness
Description	Students will be introduced to the determinants of Indigenous peoples' health in Canada. Using both the anthropological and sociological lens, students will develop an understanding of approaches to health and healing that resonate with Indigenous peoples through readings and a collective exploration. Students will understand that health is one of the most significant issues that defines the lives of Indigenous peoples in Canada.
Cross-Listing	No
Prerequisite/Co-Requisite	IKE-1040
Credit(s)	3
Notation	None

This is: An Elective Course   **Grade Mode:** Numeric (Standard)

Anticipated Enrolment: 30   **Is there an Enrolment Cap:** Yes
30; to help maintain interest, discussion and meaningful participation.

Rationale for New Course: To fulfil the Federally mandated obligations of the TRC and the Calls to Justice for Missing and Murdered Indigenous Women & Two-Spirited People.

Effective Term: FALL 2022   **Implications for Other Programs:** No Implications.

Impact on Students Currently Enrolled: None

Resources Required: There is short-term funding in place to support the development and delivery of new courses under the Faculty of Indigenous Knowledge, Education, Research and Applied Studies.

In offering this course will UPEI require facilities or staff at other institutions: No

Authorization	*Date:*
Departmental Approval: N/A	N/A
Faculty/School Approval: IKERAS	February 22, 2022
Faculty Dean's Approval: Gary Evans	February 22, 2022
Graduate Studies Dean's Approval: N/A	N/A
Registrar's Office Approval: Darcy McCardle	March 10, 2022

NEW COURSE PROPOSAL   **Motion #25**

LIBRARY RESOURCE REQUIREMENTS FOR A NEW COURSE PROPOSAL

IKE-3065 Indigenous Health, Healing and Wellness

Library Resource Requirements *(to be completed by the liaison and/or collections librarian)*

We recognize that this is the first of a number of new course proposals that will be coming from the Faculty of Indigenous Knowledge, Education, Research, and Applied Studies. To ensure that the program has the resources needed to provide support for this course and for the others that are anticipated, the Library has included a number of one-time cost items and subscriptions that are intended to support the program. As new course proposals come forward those new resources can be referenced.

Existing resources:
- Collections - Holdings, Subscriptions, Other
  - o Books - Subject searches included:
    - ▪ Indians of North America (5,278)
    - ▪ Indians of North America > Health and hygiene (67)
    - ▪ Indigenous peoples > Health and hygiene > Canada (36 results)
    - ▪ Indigenous peoples > Canada > Medical care (16 results)
    - ▪ Traditional medicine > North America (9 results)
    - ▪ Indigenous peoples > Canada > Mental health (14)
    - ▪ Indigenous peoples > Mental health services (9)
    - ▪ Indigenous peoples > Nutrition (5 results)
    - ▪ Native peoples > Hospitals (6)
  - o Databases
    - ▪ *Academic Search Complete* (EBSCO)
    - ▪ *CINAHL* (EBSCO)
    - ▪ *PubMed*
    - ▪ *MLA International Bibliography* (EBSCO)
    - ▪ *America: History & Life* (EBSCO)
    - ▪ *SocIndex with Full Text* (EBSCO)
    - ▪ *CBCA (Canadian Business & Current Affairs)* (Proquest)
    - ▪ *DesLibris Canadian Electronic Library* (thousands of ebooks, tens of thousands of public documents)
    - ▪ *iPortal*
    - ▪ *Frontier Life: Borderlands, Settlement & Colonial Encounters* (Adam Matthew Digital, historical archive)
    - ▪ *CHASS/CANSIM* - Statistics Canada's socioeconomic database
    - ▪ *Data Liberation Initiative (DLI)* - access to microdata individual level datasets
  - o Journal Subscriptions
    - ▪ The Library provides access to a number of key journals in this field. See spreadsheet.
  - o Streaming Video
    - ▪ NFB Campus (National Film Board)
      - ▪ Includes Indigenous People in Canada (First Nations and Metis) (41 videos), Indigenous Peoples in Canada (Inuit) (29 videos), and more
    - ▪ Curio (CBC news and documentary videos)

- ▪ Provides access to theme collections including Residential Schools (38 videos), Truth and Reconciliation in Canada (16 videos), Indigenous Youth (22 videos), Indigenous Language Revitalization (25 videos), and more.
  - ▪ Academic Videos Online
    - ▪ Over 150 videos
- Subscription Dependencies (in interdisciplinary packages)
  - o The Library subscribes to interdisciplinary journal packages with Elsevier (ScienceDirect), Wiley, Springer, Oxford, Sage, Taylor and Francis, and Project Muse.
  - o The Library subscribes to interdisciplinary ebook packages with EBSCOhost, ProQuest, JStor, Wiley, Cambridge, Elsevier, and Project Muse.
- Physical Space in Library (other than holdings, explain) - N/A
- Library Administrative/Research Support:
  - o Liaison Librarians provide reference and instruction support to both students and faculty as needed. They monitor publication lists for new titles in the subject area and purchase appropriate titles as existing budgetary resources permit.

New resources needed to support this proposal:

See IKE-1040 New Course Proposal form where the new resources are detailed.

Does the budget allocation for library resources in this proposal meet the requirement?

In the IKE-1040 New Course APCC Form we highlighted library resource costs needed to support the entire program including this course. First year costs are $20,900 and annual costs following the first year are $11,300 (+3% annual increase). We have not yet determined the anticipated additional staffing costs that will be required to support library instruction. In addition, we have identified and would strongly recommend the purchase of additional one-time resources ($94,000 estimate) to support the full program when it is offered and should the budget allow.

Date Received by Liaison/Collections Librarian	Feb. 21, 2022
Name of Librarian to be Contacted for Questions	Courtney Matthews
Approved by University Librarian or Designate - Name	Donald Moses
Date Approved by UL or Designate	Feb. 25, 2022

Form Version: September 2021

NEW COURSE PROPOSAL   Motion #26

Faculty/School: **Faculty of Indigenous Knowledge, Education, Research and Applied Studies**
Department/Program(s): **Minor Indigenous Studies**
MOTION: That a new course entitled IKE 3090 Special Topics Course be approved as proposed.

Course Number and Title	IKE-3090 Special Topics Course
Description	Topics or issues explored outside of existing courses. Special topics offered by the Faculty of Indigenous, Knowledge, Education, Research and Applied Studies.
Cross-Listing	No
Prerequisite/Co-Requisite	None
Credit(s)	3
Notation	None

This is: An Elective Course   **Grade Mode:** Numeric (Standard)

Anticipated Enrolment: 50   **Is there an Enrolment Cap:** Yes
50; to help maintain interest, discussion and meaningful participation.

Rationale for New Course: To allow professors to introduce special new topics and subjects that are not part of the existing structured courses.

Effective Term: FALL 2022   **Implications for Other Programs:**   No Implications.

Impact on Students Currently Enrolled: None

Resources Required: There is short-term funding in place to support the development and delivery of new courses under the Faculty of Indigenous Knowledge, Education, Research and Applied Studies.

In offering this course will UPEI require facilities or staff at other institutions: No

Authorization	*Date:*
Departmental Approval: N/A	N/A
Faculty/School Approval: IKERAS	March 4, 2022
Faculty Dean's Approval: Gary Evans	March 4, 2022
Graduate Studies Dean's Approval: N/A	N/A
Registrar's Office Approval: Darcy McCardle	March 10, 2022

Form Version: September 2020

NEW COURSE PROPOSAL   **Motion #26**

LIBRARY RESOURCE REQUIREMENTS FOR A NEW COURSE PROPOSAL

IKE-3090 Special Topics Course

Library Resource Requirements *(to be completed by the liaison and/or collections librarian)*

We recognize that this is the first of a number of new course proposals that will be coming from the Faculty of Indigenous Knowledge, Education, Research, and Applied Studies. To ensure that the program has the resources needed to provide support for this course and for the others that are anticipated, the Library has included a number of one-time cost items and subscriptions that are intended to support the program. As new course proposals come forward those new resources can be referenced.

Existing resources:
- Collections - Holdings, Subscriptions, Other
  - Books
    - A search for the subject heading *Indians of North America* returns 5,200 books and ebooks.
  - Databases
    - *Academic Search Complete* (EBSCO)
    - *MLA International Bibliography* (EBSCO)
    - *America: History & Life* (EBSCO)
    - *SocIndex with Full Text* (EBSCO)
    - *CBCA (Canadian Business & Current Affairs)* (Proquest)
    - *DesLibris Canadian Electronic Library* (thousands of ebooks, tens of thousands of public documents)
    - *Frontier Life: Borderlands, Settlement & Colonial Encounters* (Adam Matthew Digital, historical archive)
    - *CHASS/CANSIM* - Statistics Canada's socioeconomic database
  - Subscriptions
    - The Library provides access to a number of key journals in this field. See spreadsheet.
  - Streaming Video
    - NFB Campus (National Film Board)
    - Includes Indigenous People in Canada (First Nations and Metis) (41 videos), Indigenous Peoples in Canada (Inuit) (29 videos), and more
  - Curio (CBC news and documentary videos)
    - Provides access to theme collections including Residential Schools (38 videos), Truth and Reconciliation in Canada (16 videos), Indigenous Youth (22 videos), Indigenous Language Revitalization (25 videos), and more.
  - Academic Videos Online
    - Over 150 videos
- Subscription Dependencies (in interdisciplinary packages)
  - The Library subscribes to interdisciplinary journal packages with Elsevier (ScienceDirect), Wiley, Springer, Oxford, Sage, Taylor and Francis, and Project Muse.
  - The Library subscribes to interdisciplinary ebook packages with Ebsco, Proquest, JStor, Wiley, Cambridge, Elsevier, and Project Muse.
- Physical Space in Library (other than holdings, explain)
- Library Administrative/Research Support

NEW COURSE PROPOSAL   **Motion #26**

New resources needed to support this proposal:
- Capital Requirements *(other than new course-specific)*
- Collections:
  - Monographs (must have)
    - *Gale Indigenous Peoples: North America* (database) - $7,500
    - *Native Peoples of the world* (online encyclopedia) - $700
    - *American Indian Religious Traditions* (online encyclopedia) - $700
    - *Encyclopedia of Native American History* (online encyclopedia) - $700
    - Startup funds for purchasing books/ebooks/videos to catch up collection to latest scholarship: $5,000
    - Following the first year of the program, annual funds to support purchase of new books/ebooks to maintain collection (the scholarship in this field has been growing tremendously): $5,000
  - Monographs (strongly recommended)
    - *Early Encounters in North America: Peoples, Cultures, and the Environment* - full text historical database, $23,000
    - *North American Indian Thought and Culture* - full text historical database, $23,000
    - *American Indian Histories and Cultures* - full text historical database, $15,000
    - *Making of the Modern World* - full text historical databases in 4 parts, recommend parts 3 and 4, $18,000
    - *Nineteenth Century Collections Online*, Part 5 - full text historical database - $15,000
  - Subscriptions
  - Databases (must have)
    - *Bibliography of Native North America* (database) - $1,800
    - *Informit Indigenous Collection* (database) - $1,300
    - *eHRAF World Cultures* (database) - $3,000
    - Hosting fees for one-time must have purchases - $200
  - Other
- Physical Space in Library (other than holdings, explain)
- Library Administrative/Research Support
  - Given this course is to be required by all UPEI students, we anticipate that additional librarian staffing will be required to help deliver information literacy sessions for this course and this should be budgeted for. Cost TBD. There are a number of open resources that are relevant to this program and a subject guide will be developed to highlight those resources (eg. TRC Archives, Canadiana, USask iPortal, etc.)
- Other One-Time or Ongoing Library expenses (e.g. software licenses)

Summary of additional budget allocation required:
- One-time: _$14,600_ (provides core reference works, books/ebooks to fill gaps, and a one time cost database) and for each of   _____ consecutive years
- Annual: _$6,300 (first year going forward) + $5,000 for books/ebooks annually after first year
  - Per-year percentage increase in annual: _3%_____

Does the budget allocation for library resources in this proposal meet the requirement?

We have highlighted library resource costs that are required in the budget allocation requested. First year costs are $20,900 and annual costs following the first year are $11,300 (+3% annual increase). We have

NEW COURSE PROPOSAL   **Motion #26**

not yet determined the anticipated additional staffing costs that will be required to support library instruction. In addition, we have identified and would strongly recommend the purchase of additional one-time resources ($94,000 estimate) to support the full program when it is offered and should the budget allow.

Date Received by Liaison/Collections Librarian	February 21, 2022
Name of Librarian to be Contacted for Questions	Courtney Matthews
Approved by University Librarian or Designate - Name	Donald Moses
Date Approved by UL or Designate	February 25, 2022

Form Version: September 2021

NEW COURSE PROPOSAL   **Motion #27**

Faculty/School: **Faculty of Indigenous Knowledge, Education, Research, and Applied Studies**
Department/Program(s): **Minor IKERAS Indigenous Studies**
MOTION: That a new course entitled IKE-3062 Introduction to Indigenous Knowledge and Worldviews be approved as proposed.

Course Number and Title	IKE-3062 Introduction to Indigenous Knowledge and Worldviews
Description	This course introduces Indigenous ways of knowing through active participation. This course introduces students to an understanding of traditional ceremonies, worldview, creation stories and other narrative forms of knowing. By taking part in basic ceremonies and related practices, students will obtain knowledge of how Mi'kmaq people connect to each other, the land, other creatures and the world. This course will also explore certain ceremonies and teachings often referred to as "women's teachings" by reviewing literature and conducting research on teachings, ceremonies, and issues related to Indigenous women.
Cross-Listing	No
Prerequisite/Co-Requisite	IKE-1040
Credit(s)	3
Notation	None

This is: A Core Course   **Grade Mode:** Numeric (Standard)

Anticipated Enrolment: 30   **Is there an Enrolment Cap:** Yes
30; to help maintain interest, discussion and meaningful participation.

Rationale for New Course: To fulfil the Federally mandated obligations of the TRC and the Calls to Justice for Missing and Murdered Indigenous Women & Two-Spirited People.

Effective Term: FALL 2022   **Implications for Other Programs:** No Implications.

Impact on Students Currently Enrolled: None

Resources Required: There is short-term funding in place to support the development and delivery of new courses under the Faculty of Indigenous Knowledge, Education, Research and Applied Studies.

In offering this course will UPEI require facilities or staff at other institutions: No

Authorization	*Date:*
Departmental Approval: N/A	N/A
Faculty/School Approval: IKERAS	March 9, 2022
Faculty Dean's Approval: Gary Evans	March 9, 2022
Graduate Studies Dean's Approval: N/A	N/A
Registrar's Office Approval: Darcy McCardle	March 10, 2022

NEW COURSE PROPOSAL   **Motion #27**

LIBRARY RESOURCE REQUIREMENTS FOR A NEW COURSE PROPOSAL

IKE-3062 Introduction to Indigenous Knowledge and Worldviews

Library Resource Requirements *(to be completed by the liaison and/or collections librarian)*

The Library has made a budgetary request to purchase materials to provide access to books, videos, databases, and other resources in the APCC form included with the IKE-1040 New Course form previously submitted. This is a scholarly and research area that is growing and we have requested annual funding to support ongoing purchases and maintain subscriptions for these courses and the program.

Existing resources:
- Collections - Holdings, Subscriptions, Other
  - Books
    - ▪ Relevant subject headings include:
      - ▪ Indians of North America (5,278)
      - ▪ Indigenous peoples (1561)
      - ▪ Indigenous peoples > Legal status, laws, etc. (225)
      - ▪ Postcolonialism (136)
      - ▪ Indigenous peoples > Canada > Social life and customs (82)
      - ▪ Indians of North America > Religion (211)
      - ▪ Indians of North America > Rites and ceremonies. (82)
      - ▪ Traditional knowledge (144)
  - Databases
    - ▪ *Academic Search Complete* (EBSCO)
    - ▪ *MLA International Bibliography* (EBSCO)
    - ▪ *America: History & Life* (EBSCO)
    - ▪ *SocIndex with Full Text* (EBSCO)
    - ▪ *CBCA (Canadian Business & Current Affairs)* (Proquest)
    - ▪ *DesLibris Canadian Electronic Library* (thousands of ebooks, tens of thousands of public documents)
    - ▪ *Frontier Life: Borderlands, Settlement & Colonial Encounters* (Adam Matthew Digital, historical archive)
    - ▪ *GALE ONEFILE: Religion and Philosophy*
    - ▪ *CHASS/CANSIM* - Statistics Canada's socioeconomic database
  - Journal Subscriptions
    - ▪ The Library provides access to a number of key journals in this field. See spreadsheet.
  - Streaming Video
    - ▪ NFB Campus (National Film Board)
    - ▪ Includes Indigenous People in Canada (First Nations and Metis) (41 videos), Indigenous Peoples in Canada (Inuit) (29 videos), and more
  - Curio (CBC news and documentary videos)
    - ▪ Provides access to theme collections including Residential Schools (38 videos), Truth and Reconciliation in Canada (16 videos), Indigenous Youth (22 videos), Indigenous Language Revitalization (25 videos), and more.
  - Academic Videos Online
    - ▪ Over 150 videos
- Subscription Dependencies (in interdisciplinary packages)

NEW COURSE PROPOSAL   **Motion #27**

- o The Library subscribes to interdisciplinary journal packages with Elsevier (ScienceDirect), Wiley, Springer, Oxford, Sage, Taylor and Francis, and Project Muse.
- o The Library subscribes to interdisciplinary ebook packages with Ebsco, Proquest, JStor, Wiley, Cambridge, Elsevier, and Project Muse.
- Physical Space in Library (other than holdings, explain)
- Library Administrative/Research Support
  - o Liaison Librarians provide reference and instruction support to both students and faculty as needed. They monitor publication lists for new titles in the subject area and purchase appropriate titles as existing budgetary resources permit.

New resources needed to support this proposal:

See IKE-1040 New Course Proposal form where the new resources are detailed.

Does the budget allocation for library resources in this proposal meet the requirement?

In the IKE-1040 New Course APCC Form we highlighted library resource costs needed to support the entire program including this course. First year costs are $20,900 and annual costs following the first year are $11,300 (+3% annual increase). We have not yet determined the anticipated additional staffing costs that will be required to support library instruction. In addition, we have identified and would strongly recommend the purchase of additional one-time resources ($94,000 estimate) to support the full program when it is offered and should the budget allow.

Date Received by Liaison/Collections Librarian	Feb. 21, 2022
Name of Librarian to be Contacted for Questions	Courtney Matthews
Approved by University Librarian or Designate - Name	Donald Moses
Date Approved by UL or Designate	Feb. 25, 2022

SUMMARY OF FACULTY OF NURSING MOTION #'S 28-29

Bachelor of Science in Nursing – Admission Requirements

Accelerated Bachelor of Science in Nursing – Admission Requirements

CALENDAR AND CURRICULUM CHANGE   Motion #28

Revision is for a: **Calendar Entry Change**
Faculty/School/Department: **Nursing**
Department/Program(s)/Academic Regulations: **BScN Faculty of Nursing**
MOTION: To revise the Admission Requirements for the Bachelor of Science in Nursing as proposed.

Reproduction of Current Calendar Entry	Proposed revision with changes underlined and deletions indicated clearly
Bachelor of Science in Nursing (BScN) The Bachelor of Science in Nursing (BScN) is a four-year program. Graduates are eligible to write licensure examinations to practice nursing, and to hold membership in the College of Registered Nurses of Prince Edward Island.	**Bachelor of Science in Nursing (BScN)** The Bachelor of Science in Nursing (BScN) is a four-year program. Graduates are eligible to write licensure examinations to practice nursing, and to hold membership in the College of Registered Nurses of Prince Edward Island.
Admission Requirements	**Admission Requirements** **A. Academic Requirements** (worth 70% of overall admission score)
High School Applicant A high school applicant must have achieved a mark of at least 65% in each of the following Grade12 Academic courses: English, Mathematics, Chemistry, Biology and one other Grade 12 Academic course, with an overall average in these courses of at least 70%.	**High School Applicant** A high school applicant must have achieved a mark of at least 65% in each of the following Grade12 Academic courses: English, Mathematics, Chemistry, Biology and one other Grade 12 Academic course, with an overall average in these courses of at least 70%.
University Applicant Applicants attending or having attended a University must meet the same requirements as listed above but can also complete the course requirements by taking degree level courses. A minimum mark of 60% is required in degree level courses.	**University Applicant** Applicants attending or having attended a University must meet the same requirements as listed above but can also complete the course requirements by taking degree level courses. A minimum mark of 60% is required in degree level courses.
Mature Applicant In addition to the general admission requirements for mature students, the following regulations apply: a student of mature years may be admitted to the Faculty of Nursing without fulfilling all the entrance requirements specified for the high school graduates. A mature applicant must have achieved a mark of 65% in each of Grade 12 academic English, Mathematics, Chemistry, and Biology or a mark of 60% for 3 semester hours in the same subjects at the university level.	**Mature Applicant** In addition to the general admission requirements for mature students, the following regulations apply: a student of mature years may be admitted to the Faculty of Nursing without fulfilling all the entrance requirements specified for the high school graduates. A mature applicant must have achieved a mark of 65% in each of Grade 12 academic English, Mathematics, Chemistry, and Biology or a mark of 60% for 3 semester hours in the same subjects at the university level.
Selection criteria The total number of students admitted will be limited in accordance with facilities and resources on campus and in health care agencies.	*Selection criteria* The total number of students admitted will be limited in accordance with facilities and resources on campus and in health care agencies.

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Approximately sixty-four (64) seats are available in the four year Nursing Program each year. All students who meet the minimum requirements will be considered. Eligible first year candidates are ranked on their average in Biology, Chemistry, English and Math. University Applicants completing one or more of the core courses listed above will have 15% added to each university course for ranking purposes. University applicants must be in good academic standing, as defined in the UPEI calendar. Offers to the highest ranked may take place at any time during the process. For applicants completing prerequisite requirements, offers will take place after 1 st semester grades have been received. All first round offers will be made by April. A second round of offers is made in May, with the number depending upon first round acceptances. Finally, a third round of offers is made in July for any seats that are still available. Late offers of a seat to the program will be made to the highest ranked alternate if and when a seat becomes available. Applicants deemed as alternates and enrolled in courses are to have all prerequisite courses completed by June 30th. Final official transcripts must be received at the Registrar's Office no later than July 15th. **Note**: Former UPEI Nursing students who withdrew in good academic standing during first year may be given priority for readmission to the program. **Application Process** The application deadline is February 15th. To meet this deadline an applicant must, by this date, have their on-line application submitted and application fee paid. Other documents may follow after the deadline. Follow UPEI's undergraduate application process for professional programs. **Other documents required:** • For high school graduates, a final official high school transcript • For current high school students, a final official first semester transcript • (if applicable) Official transcripts from all	Approximately ~~sixty-four (64)~~ seventy (70) seats are available in the four year Nursing Program each year. All students who meet the minimum requirements will be considered. Priority will be given to applicants who are residents of PEI. Eligible first year candidates are ranked on their average in Biology, Chemistry, English and Math. University Applicants completing one or more of the core courses listed above will have 15% added to each university course for ranking purposes. University applicants must be in good academic standing, as defined in the UPEI calendar. Offers to the highest ranked may take place at any time during the process. For applicants completing prerequisite requirements, offers will take place after 1st semester grades have been received. All first round offers will be made by April. A second round of offers is made in May, with the number depending upon first round acceptances. Finally, a third round of offers is made in July for any seats that are still available. Late offers of a seat to the program will be made to the highest ranked alternate if and when a seat becomes available. Applicants deemed as alternates and enrolled in courses are to have all prerequisite courses completed by June 30th. Final official transcripts must be received at the Registrar's Office no later than July 15th. **Note:** Former UPEI Nursing students who withdrew in good academic standing during first year may be given priority for readmission to the program. **Application Process** The application deadline is February 15th. To meet this deadline an applicant must, by this date, have their on-line application submitted and application fee paid. Other documents may follow after the deadline. Follow UPEI's undergraduate application process for professional programs. **Other documents required:** • For high school graduates, a final official high school transcript • For current high school students, a final official first semester transcript • (if applicable) Official transcripts from all post-secondary institutions attended. If enrolled in

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post-secondary institutions attended. If enrolled in courses, updated transcripts are to be submitted once final results of the first semester are available. Transfer credits received at another institution will not negate the requirement for original transcripts; • (if applicable) Mature applicants (21 years of age or older) and not enrolled in full-time study are to upload a current Curriculum Vitae (CV) or resume; • (if applicable) An official English Language Proficiency Test result	courses, updated transcripts are to be submitted once final results of the first semester are available. Transfer credits received at another institution will not negate the requirement for original transcripts; • (if applicable) Mature applicants (21 years of age or older) and not enrolled in full-time study are to upload a current Curriculum Vitae (CV) or resume; • (if applicable) An official English Language Proficiency Test result
Arrange to have official transcripts and English Language Proficiency results (if required) sent to; The Registrar's Office 550 University Avenue Charlottetown, PE C1A 4P3 **PLEASE NOTE:** The Faculty of Nursing requires certification of CPR (HCP level), First Aid, immunization record, and a certified criminal record and vulnerable sector check from your local law enforcement agency. Once an applicant is accepted they are to forward this documentation directly to the Faculty of Nursing no later than August 15th. If any of this required documentation is not received by the deadline, this offer may be withdrawn. For more information go to Nursing Passport If a second choice program of study is indicated in the application it will be reviewed independently of your Nursing application. Often a decision is made on a student's second choice before a decision has been made on their Nursing application. Letters of recommendation are not required nor accepted. After receiving an offer of admission to the BScN, a non-refundable tuition deposit is required. The deadline for providing this deposit will be stated in the	Arrange to have official transcripts and English Language Proficiency results (if required) sent to; The Registrar's Office 550 University Avenue Charlottetown, PE C1A 4P3 **PLEASE NOTE:** The Faculty of Nursing requires certification of CPR (HCP level), First Aid, immunization record, and a certified criminal record and vulnerable sector check from your local law enforcement agency. Once an applicant is accepted they are to forward this documentation directly to the Faculty of Nursing no later than August 15th. If any of this required documentation is not received by the deadline, this offer may be withdrawn. For more information go to Nursing Passport If a second choice program of study is indicated in the application it will be reviewed independently of your Nursing application. Often a decision is made on a student's second choice before a decision has been made on their Nursing application. Letters of recommendation are not required nor accepted. After receiving an offer of admission to the BScN, a non-refundable tuition deposit is required. The deadline for providing this deposit will be stated in the acceptance letter. Extensions to this deadline will not be granted.

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acceptance letter. Extensions to this deadline will not be granted. **Holland College Articulated Agreement** Graduates of the Holland College LPN program since 2009 have two options for applying to the BScN program at UPEI. **Option 1 – Admission to 2nd Year of BScN** **Admission Criteria** • received at least a 80% average in the LPN program; • have evidence of a strong clinical performance during the LPN program. A letter from a clinical nursing instructor from Holland College documenting clinical performance in the LPN program. The letter is to be sent directly to the Registrar's Office at UPEI; • have completed academic grade 12 English, Math, Chemistry and Biology (Final high school transcript and upgrades if applicable); • complete a pre-admission math competency test and receive at least 85%; • have successfully completed the following UPEI courses (or equivalents): Human Anatomy (BIO 1210), Human Physiology (BIO 1220), Microbiology (BIO 1060), Introductory Psychology (PSY 1010 & 1020). Potential applicants who have met the admission criteria, with the exception of the five degree-level university courses, may complete these courses at UPEI. Special permission from the Chair of Biology is required to enrol in Microbiology (BIO 1010). Permission is subject to availability of space in the course. **Important Notes** • The Faculty of Nursing must determine that a seat(s) is available before we can consider an applicant for the 2nd year of the Nursing	**B. CASPer Test Requirement** (worth 30% of overall admission score) All applicants to UPEI's Bachelor of Science in Nursing (BScN) program are required to complete a CASPer assessment (CASPer Test), In addition to meeting academic requirements. Successful completion of CASPer is **mandatory** in order to maintain admission eligibility. CASPer is an online test which assesses for non-cognitive skills and interpersonal characteristics that are important for successful students and graduates of the Nursing program. In implementing CASPer, we are trying to further enhance fairness and objectivity in our admission selection process. Please note that the CASPer test can only be written **once** within an admission cycle. Multiple test attempts are not permitted. Additionally, CASPer test results are only valid for one admission cycle. Applicants who have already taken the test in previous years must re-take it. Please direct any inquiries on the test to CASPer provider, Altus. **A UPEI institutional identification (ID) number is required to register for the CASPer test, and to have your results sent to UPEI.** In order to receive a UPEI institutional ID number you must: 1. Apply to Nursing - Complete and submit the online UPEI undergraduate application for admission. Students will receive their UPEI institutional ID number via email once a Nursing application has been submitted. UPEI applicants will need to create an account at takeCASPer.com. Once you receive your UPEI institutional ID number you can use it along with a piece of government issued photo ID to register for a CASPer test date. Please note that CASPer is a separate organization that sets test dates for multiple Nursing programs across Canada. As such, the test dates may or may not align with the UPEI University application deadline for the Nursing program. Please plan

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program. In some years there will not be a seat available. • As a result of the strong possibility of a seat not being available, applicants are initially considered for first year nursing. If a 2nd year seat becomes available the applicant is considered among all other applicants eligible to be considered for 2nd year. **Application for Articulated Agreement** Holland College Articulated Agreement applicants must follow UPEI's undergraduate application process for professional programs, and submit other requirements including: • UPEI Application Fee; • official high school and post-secondary transcript(s) for any post-secondary study taken. For those enrolled in courses, arrange to have transcripts sent when 1st semester final results can be reported; • if not currently enrolled (out one semester or more), a resume outlining a list of current activities is required; • if required, an acceptable English Language Proficiency Test result; • A letter from a clinical nursing instructor from Holland College documenting clinical performance in the LPN program. **Option 2 – Admission to 1st Year of BScN** The second option is to apply directly to the first year of the 4-year Nursing program. In this case the admission requirements and evaluation of the application is exactly the same as other applicants applying to the first year of the program. If accepted, students start in the 1st year of Nursing, receiving the same transfer credit as under the articulated agreement, but complete the 1st year courses (PSY 1010, PSY 1020, BIO 1060, BIO 1210, and BIO 1220) that have not yet been taken. **Transfer Credit for Licensed Practical Nurses (LPN)**	accordingly so that you receive your ID number in time for the last CASPer test date registration. **Holland College Articulated Agreement** Graduates of the Holland College LPN program ~~since 2009~~ have two options for applying to the BScN program at UPEI. Option 1 – Admission to 2nd Year of BScN **Admission Criteria** • received at least a 80% average in the LPN program; • have evidence of a strong clinical performance during the LPN program. A letter from a clinical nursing instructor from Holland College documenting clinical performance in the LPN program. The letter is to be sent directly to the Registrar's Office at UPEI; • have completed academic grade 12 English, Math, Chemistry and Biology (Final high school transcript and upgrades if applicable); • complete a pre-admission math competency test and receive at least 85%; • have successfully completed the following UPEI courses (or equivalents): Human Anatomy (BIO 1210), Human Physiology (BIO 1220), Microbiology (BIO 1060), Introductory Psychology (PSY 1010 & 1020). • complete the CASPer test requirement Potential applicants who have met the admission criteria, with the exception of the five degree-level university courses, may complete these courses at UPEI. Special permission from the Chair of Biology is required to enroll in Microbiology (BIO 1010). Permission is subject to availability of space in the course. **Important Notes** • The Faculty of Nursing must determine that a seat(s) is available before we can consider an applicant for the 2nd year of the Nursing

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LPNs accepted into the 4 year Nursing program will receive the following transfer credits: Graduates from the Holland College LPN program since 2009 may receive up to 27 credit hours; Graduates from the Holland College LPN program prior to 2009 will receive 9 credit hours of electives; Graduates from other LPN programs will receive 9 credit hours of electives with the possibility of further transfer credit upon review of LPN course syllabi. Any student accepted to the first year of the Nursing program and potentially receiving transfer credit for NURS 1010 and NURS 1020 will be required to complete a Math competency test before transfer credit is granted. **Transfer Applicant Deadline February 15.** Transfer Applicants currently in a Nursing program, or having completed part of a Nursing program at another university, may apply to transfer to the 2nd or 3rd year of the BScN program. Applicants cannot be considered until all of the courses (or equivalent courses at another university) required of UPEI 1st year Nursing students have been completed. Those applicants not able to complete all of the courses required of 1st year UPEI Nursing students must apply as a first year student, but if accepted, may receive transfer credit. Students dismissed from a Nursing program as a result of a clinical failure, or students who have failed two Nursing courses, are not eligible to apply as a transfer applicant. Transfer students must follow UPEI's undergraduate application process for professional programs, and submit other requirements including: • UPEI Application Fee; • official post-secondary transcript(s) for any post-secondary study taken. For those enrolled in courses, arrange to have transcripts sent when 1st semester final results can be reported; • if not currently enrolled (out one semester or more), a resume outlining a list of current activities is required;	program. In some years there will not be a seat available. • As a result of the strong possibility of a seat not being available, applicants are initially considered for first year nursing. If a 2nd year seat becomes available the applicant is considered among all other applicants eligible to be considered for 2nd year. **Application for Articulated Agreement** Holland College Articulated Agreement applicants must follow UPEI's undergraduate application process for professional programs, and submit other requirements including: • UPEI Application Fee; • official high school and post-secondary transcript(s) for any post-secondary study taken. For those enrolled in courses, arrange to have transcripts sent when 1st semester final results can be reported; • if not currently enrolled (out one semester or more), a resume outlining a list of current activities is required; • if required, an acceptable English Language Proficiency Test result; • A letter from a clinical nursing instructor from Holland College documenting clinical performance in the LPN program. **Option 2 – Admission to 1st Year of BScN** The second option is to apply directly to the first year of the 4-year Nursing program. In this case the admission requirements and evaluation of the application is exactly the same as other applicants applying to the first year of the program. If accepted, students start in the 1st year of Nursing, receiving the same transfer credit as under the articulated agreement, but complete the 1st year courses (PSY 1010, PSY 1020, BIO 1060, BIO 1210, and BIO 1220) that have not yet been taken. **Transfer Credit for Licensed Practical Nurses (LPN)** LPNs accepted into the 4 year Nursing program will

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- a course syllabus for all Nursing courses taken or currently in-progress, including details of any clinical portion; - a letter from the Nursing school where applicant is currently enrolled or has previously attended, which states the applicant is in good academic and clinical standing with no restrictions; - if required, an acceptable English Language Proficiency Test result. **Please Note:** The University of Prince Edward Island Nursing program is based on the "PEI Conceptual Model of Primary Health Care". Students whose previous Nursing program did not include Primary Health Care must apply to the first year of the program. If accepted students may receive transfer credit. Transfer seats are subject to availability of space in the Nursing program. Any student accepted to the first year of the Nursing program and potentially receiving transfer credit for NURS 1010 and NURS 1020, will be required to complete a Math competency test before transfer credit is granted.	receive the following transfer credits: Graduates from the Holland College LPN program ~~since 2009~~ may receive up to 27 credit hours; ~~Graduates from the Holland College LPN program prior to 2009 will receive 9 credit hours of electives;~~ Graduates from other LPN programs will receive 9 credit hours of electives with the possibility of further transfer credit upon review of LPN course syllabi. Any student accepted to the first year of the Nursing program and potentially receiving transfer credit for NURS 1010 and NURS 1020 will be required to complete a Math competency test before transfer credit is granted. Transfer Applicant Deadline February 15. Transfer Applicants currently in a Nursing program, or having completed part of a Nursing program at another university, may apply to transfer to the 2nd or 3rd year of the BScN program. Applicants cannot be considered until all of the courses (or equivalent courses at another university) required of UPEI 1st year Nursing students have been completed. Those applicants not able to complete all of the courses required of 1st year UPEI Nursing students must apply as a first year student, but if accepted, may receive transfer credit. Students dismissed from a Nursing program as a result of a clinical failure, or students who have failed two Nursing courses, are not eligible to apply as a transfer applicant. Transfer students must follow UPEI's undergraduate application process for professional programs, and submit other requirements including: - UPEI Application Fee; - official post-secondary transcript(s) for any post-secondary study taken. For those enrolled in courses, arrange to have transcripts sent when 1st semester final results can be reported; - if not currently enrolled (out one semester or more), a resume outlining a list of current activities is required;

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	- a course syllabus for all Nursing courses taken or currently in-progress, including details of any clinical portion; - a letter from the Nursing school where applicant is currently enrolled or has previously attended, which states the applicant is in good academic and clinical standing with no restrictions; - if required, an acceptable English Language Proficiency Test result. **Please Note:** The University of Prince Edward Island Nursing program is based on the "PEI Conceptual Model of Primary Health Care". Students whose previous Nursing program did not include Primary Health Care must apply to the first year of the program. If accepted students may receive transfer credit. Transfer seats are subject to availability of space in the Nursing program. Any student accepted to the first year of the Nursing program and potentially receiving transfer credit for NURS 1010 and NURS 1020, will be required to complete a Math competency test before transfer credit is granted.

Rationale for Change: The majority of nursing programs in Atlantic Canada have an admission preference for provincial residents. CASPer testing is implemented in the majority of nursing programs in Atlantic Canada. CASPer is an online, open-response situational judgment test for applicants pursuing people-centered professions. CASPer assesses non-cognitive skills and interpersonal characteristics for a better understanding of each applicant, beyond cognitive measures.

Effective Term: FALL 2023   **Implications for Other Programs:** N/A

Impact on Students Currently Enrolled: N/A

Authorization	*Date:*
Departmental Approval: Dr. Jo-Ann MacDonald,Dean (Interim)	January 7, 2022
Faculty/School Approval: Faculty of Nursing Committee	January 7, 2022
Faculty Dean's Approval: Dr. Jo-Ann MacDonald,Dean (Interim)	January 7, 2022
Grad. Studies Dean's Approval: N/A	N/A
Registrar's Office Approval: Darcy McCardle	March 10, 2022

CALENDAR AND CURRICULUM CHANGE   Motion #29

Revision is for a: **Calendar Entry Change**
Faculty/School/Department: **Nursing**
Department/Program(s)/Academic Regulations: **Accelerated BScN Faculty of Nursing**
MOTION: To revise the Admission Requirements for the Accelerated Bachelor of Science in Nursing as proposed.

Reproduction of Current Calendar Entry	Proposed revision with changes underlined and deletions indicated clearly
Accelerated Bachelor of Science in Nursing **(i) Introducton** Students apply for the Accelerated Bachelor of Science in Nursing (BScN) Program through the Registrar's Office, and must submit the UPEI undergraduate application form. Students in the Accelerated Program are required to take the same Nursing courses (NURS-1030 instead of NURS-1010 & 1020) and have the same number of clinical hours as students in the four-year BScN program. They are governed by the academic regulations for Nursing as outlined in the Calendar. **(ii) Admission Requirements** To be eligible for the Accelerated BScN Program, applicants must have: successfully completed Grade 12 Academic or equivalent courses in English, Math, Chemistry, and Biology; successfully completed 60 semester hours of university-level credit; of the 60 semester hours of credit noted above, 30 semester hours of credit must come from the list of courses below (at the credit weights noted), with a minimum average of 75% in these 10 courses (30 semester hours) with no individual course grade below 60%: Human Anatomy (3 semester hours) – lab required Human Physiology (3 semester hours) – lab required	**Accelerated Bachelor of Science in Nursing** **(i) Introduction** Students apply for the Accelerated Bachelor of Science in Nursing (BScN) Program through the Registrar's Office, and must submit the UPEI undergraduate application form. Students in the Accelerated Program are required to take the same Nursing courses (NURS-1030 instead of NURS-1010 & 1020) and have the same number of clinical hours as students in the four-year BScN program. They are governed by the academic regulations for Nursing as outlined in the Calendar. **(ii) Admission Requirements** **A. Academic Requirements** (worth 70% of overall admission score) To be eligible for the Accelerated BScN Program, applicants must have: successfully completed Grade 12 Academic or equivalent courses in English, Math, Chemistry, and Biology; successfully completed 60 semester hours of university-level credit; of the 60 semester hours of credit noted above, 30 semester hours of credit must come from the list of courses below (at the credit weights noted), with a minimum average of 75% in these 10 courses (30 semester hours) with no individual course grade below 60%: Human Anatomy (3 semester hours) – lab required Human Physiology (3 semester hours) – lab required Microbiology (3 semester hours) – lab required

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Microbiology (3 semester hours) – lab required Introductory Psychology (6 semester hours) Developmental Psychology (3 semester hours) Statistics (3 semester hours) Introductory Nutrition (3 semester hours) Two (2) English courses (6 semester hours) (The above noted courses must be successfully completed at an undergraduate degree level at a recognized post-secondary institution. Courses must have been completed within the past 10 years and fulfill the criteria outlined for regular transfer credit equivalency review). **Note:** Required courses in Pathophysiology and Pharmacology can be taken during the Accelerated Program. **Note:** Applicants whose first language is not English must also satisfy the UPEI English Language Proficiency requirements. **CPR, First Aid, Criminal Record and Immunization** The Faculty of Nursing requires certification of your CPR (HCP level), First Aid, immunization record, and a certified criminal record and vulnerable sector check from your local law enforcement agency from all students accepted to the Nursing program. Accepted applicants forward this documentation directly to the Faculty of Nursing no later than December 15. (Note: if any of the required documentation is not received by the deadline, this offer may be withdrawn). **(iii) Application Process** Applicants submit the on-line UPEI application and pay the application fee on or before the July 15 application deadline	Introductory Psychology (6 semester hours) Developmental Psychology (3 semester hours) Statistics (3 semester hours) Introductory Nutrition (3 semester hours) Two (2) English courses (6 semester hours) (The above noted courses must be successfully completed at an undergraduate degree level at a recognized post-secondary institution. Courses must have been completed within the past 10 years and fulfill the criteria outlined for regular transfer credit equivalency review). **Note:** Required courses in Pathophysiology and Pharmacology can be taken during the Accelerated Program. **Note:** Applicants whose first language is not English must also satisfy the UPEI English Language Proficiency requirements. **CPR, First Aid, Criminal Record and Immunization** The Faculty of Nursing requires certification of your CPR (HCP level), First Aid, immunization record, and a certified criminal record and vulnerable sector check from your local law enforcement agency from all students accepted to the Nursing program. Accepted applicants forward this documentation directly to the Faculty of Nursing no later than December 15. (Note: if any of the required documentation is not received by the deadline, this offer may be withdrawn). **B. CASPer Test Requirement** (worth 30% of overall admission score) All applicants to UPEI's Accelerated Bachelor of Science in Nursing (BScN) program are required to complete a CASPer assessment (CASPer Test), In addition to meeting academic requirements. Successful completion of CASPer is **mandatory** in order to maintain admission eligibility.

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	CASPer is an online test which assesses for non-cognitive skills and interpersonal characteristics that are important for successful students and graduates of the Nursing program. In implementing CASPer, we are trying to further enhance fairness and objectivity in our admission selection process.
Arrange to have a final official high school transcript, as well as official transcripts from all post-secondary institutions attended, sent to the UPEI Registrar's Office (address below). Transfer credits received at another institution will not negate the requirement for official transcripts where the course was taken. If enrolled in courses, updated transcripts are to be submitted once final grades for the semester are available.	Please note that the CASPer test can only be written **once** within an admission cycle. Multiple test attempts are not permitted. Additionally, CASPer test results are only valid for one admission cycle. Applicants who have already taken the test in previous years must re-take it.
	Please direct any inquiries on the test to CASPer provider, Altus.
If not enrolled in courses, please upload a current Curriculum Vitae or resume through the application portal	**A UPEI institutional identification (ID) number is required to register for the CASPer test, and to have your results sent to UPEI.** In order to receive a UPEI institutional ID number you must:
If you do not meet the UPEI English Language Proficiency, arrange to have a recognized ELP test result sent from a testing centre listed in the link above to the UPEI Registrar's Office (address below).	2. Apply to Nursing - Complete and submit the online UPEI undergraduate application for admission. Students will receive their UPEI institutional ID number via email once a Nursing application has been submitted.
The UPEI Registrar's Office	
550 University Avenue	UPEI applicants will need to create an account at takeCASPer.com. Once you receive your UPEI institutional ID number you can use it along with a piece of government issued photo ID to register for a CASPer test date. Please note that CASPer is a separate organization that sets test dates for multiple Nursing programs across Canada. As such, the test dates may or may not align with the UPEI University application deadline for the Nursing program. Please plan accordingly so that you receive your ID number in time for the last CASPer test date registration.
Charlottetown, PE C1A 4P3	
Notes Regarding the Evaluation of Applications:	
28 students are accepted each year. There is only one entry term which is January.	**(iii) Application Process**
Priority is given to applicants who have completed all of the prerequisite course requirements, or those that have completed some and enrolled in the remaining prerequisite courses.	Applicants submit the on-line UPEI application and pay the application fee on or before the July 15 application deadline
An Early offer is made to applicants whose average for admission has been calculated to be 83% or greater. If an applicant is currently enrolled in courses, one condition of acceptance will be maintaining the admissions average of 83% or more.	Arrange to have a final official high school transcript, as well as official transcripts from all post-secondary institutions attended, sent to the UPEI Registrar's Office
Once all applicants have been considered, further offers will be made to the highest ranked applicants who have not received an Early Offer and have completed all the	

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prerequisite course requirements, or those that have completed some and enrolled in the remaining prerequisite courses. If a condition of acceptance is the successful completion of prerequisite courses, the deadline to complete the course(s) is the end of the Fall semester, and the deadline to submit the transcript is before the start of the Accelerated program in January. If an applicant wishes to be considered for both the Accelerated program and the 4 year program, they must submit an application for each program. If accepted to both, applicants choose which program they would like to enroll in. After receiving an offer of admission to the BScN, a non-refundable tuition deposit is required. The deadline for providing this deposit will be stated in the acceptance letter. Extensions to this deadline will not be granted.	(address below). Transfer credits received at another institution will not negate the requirement for official transcripts where the course was taken. If enrolled in courses, updated transcripts are to be submitted once final grades for the semester are available. If not enrolled in courses, please upload a current Curriculum Vitae or resume through the application portal If you do not meet the UPEI English Language Proficiency, arrange to have a recognized ELP test result sent from a testing centre listed in the link above to the UPEI Registrar's Office (address below). The UPEI Registrar's Office 550 University Avenue Charlottetown, PE C1A 4P3 **Notes Regarding the Evaluation of Applications:** 28 students are accepted each year. There is only one entry term which is January. Priority <u>will be</u> ~~is~~ given to applicants who <u>are residents of PEI and</u> have completed all of the prerequisite course requirements, or those that have completed some and enrolled in the remaining prerequisite courses. An Early offer is made to applicants whose average for admission has been calculated to be 83% or greater. If an applicant is currently enrolled in courses, one condition of acceptance will be maintaining the admissions average of 83% or more. Once all applicants have been considered, further offers will be made to the highest ranked applicants who have not received an Early Offer and have completed all the prerequisite course requirements, or those that have completed some and enrolled in the remaining prerequisite courses. If a condition of acceptance is the successful completion of prerequisite courses, the deadline to complete the course(s) is the end of the Fall semester, and the deadline to submit the transcript is before the start of the

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	Accelerated program in January. If an applicant wishes to be considered for both the Accelerated program and the 4 year program, they must submit an application for each program. If accepted to both, applicants choose which program they would like to enroll in. After receiving an offer of admission to the BScN, a non-refundable tuition deposit is required. The deadline for providing this deposit will be stated in the acceptance letter. Extensions to this deadline will not be granted.

Rationale for Change: The majority of nursing programs in Atlantic Canada have an admission preference for provincial residents. CASPer testing is implemented in the majority of nursing programs in Atlantic Canada. CASPer is an online, open-response situational judgment test for applicants pursuing people-centered professions. CASPer assesses non-cognitive skills and interpersonal characteristics for a better understanding of each applicant, beyond cognitive measures.

Effective Term: WINTER 2024

Implications for Other Programs: N/A

Impact on Students Currently Enrolled: N/A

Authorization	*Date:*
Departmental Approval: Dr. Jo-Ann MacDonald,Dean (Interim)	January 7, 2022
Faculty/School Approval: Faculty of Nursing Committee	January 7, 2022
Faculty Dean's Approval: Dr. Jo-Ann MacDonald,Dean (Interim)	January 7, 2022
Grad. Studies Dean's Approval: N/A	N/A
Registrar's Office Approval: Darcy McCardle	March 10, 2022

Form Version: January 2022

SUMMARY OF FACULTY OF SCIENCE MOTION #'S 30-54

Department of Applied Human Sciences

- New Course Proposals for:
  - FN 2820 Food Systems Production Processing
  - FN 4020 Advanced Foods II
- Calendar Entry Changes for:
  - Foods & Nutrition

Department of Physics

- Course Description and Title Change for PHYS 2630 Atmospheric and Ocean Physics (Climate Physics)

School of Climate Change & Adaptation

- Prerequisite Addition/Change for ACC 3040 Climate Change Statistics in R

School of Mathematical & Computational Sciences

- New Course Proposals for:
  - AMS 3140 – Probability for Actuaries
  - AMS 3420 – Introduction to Financial Derivatives
  - AMS 4450 – Statistics for Risk Modeling
- Pre-requisite Addition/Change for AMS 4080 Financial Mathematics II
- Calendar Entry Changes for:
  - Requirements for a Major in Actuarial Science
  - Requirements for a Major in Actuarial Science with Pre-Professional Specialization Stream
- Course Description Change for MATH 1910 Single Variable Calculus I
- Calendar Entry Changes for Admission to Science Calculus
- Prerequisite Addition/Change (adding CS 2910) for

  CS 3110 Video Game Design

  CS 3130 Mobile Device Development – Android

  CS 3520 Operating Systems

  CS 3610 Analysis and Design of Algorithms

  CS 3620 Software Design

  CS 3710 Database Systems

  CS 4110 Artificial Intelligence and Automated Reasoning

  CS 4120 Machine Learning and Data Mining

SUMMARY OF FACULTY OF SCIENCE MOTION #'S 30-54

CS 4350 Computer Graphics Programming

CS 4440 Data Science

CS 4610 Wireless Sensor Networks

MCS 3320 Theory of Computing

NEW COURSE PROPOSAL   **Motion #30**

Faculty/School: **Science**

Department/Program(s): **Department of Applied Human Sciences, Foods and Nutrition**

MOTION: That a new course entitled FN 2820 Food Systems: Food Production and Processing be approved as proposed.

Course Number and Title	FN 2820 Food Systems: Food Production and Processing
Description	This course will introduce students to the concept of food systems at the local, regional, and global levels with special focus on food production and food processing. The current mode of global food production, postharvest management, sustainable food production, traditional and emerging food processing techniques will be discussed. Students will examine and reflect on critical issues influencing food production and processing.
Cross-Listing	
Prerequisite/Co-Requisite	FN 2810 or permission of the instructor
Credit(s)	3
Notation	

This is: A Core Course   **Grade Mode:** Numeric (Standard)

Anticipated Enrolment: 25   **Is there an Enrolment Cap:** No

Rationale for New Course: This course will build on FN 2810 Introductory Foods, providing enhanced training in the area of global food systems, including food production and processing. It will be required for all students in the Foods and Nutrition major program, who are applying for dietetic internship and students in the Foods and Nutrition Cooperative Education program. This course is necessary to meet accreditation standards, as the newly revised Integrated Competencies for Dietetic Education and Practice, which is the basis for our undergraduate accreditation of the FN and dietetic internship programs, include an increased emphasis on food systems, food production and food processing.

Effective Term: FALL 2022   **Implications for Other Programs:** None

Impact on Students Currently Enrolled: Students already enrolled in the FN program will not be required to take this course but they may take it as an elective. Only students who are admitted to calendar year 2022-2023 or later will be required to take this course in the winter semester of their second year.

Resources Required: In terms of teaching resources, there are no new resources required; this will be taught as part of FT faculty teaching loads.

In offering this course will UPEI require facilities or staff at other institutions: No

Authorization   *Date:*

Departmental Approval: Rebecca Reed-Jones	February 24, 2022
Faculty/School Approval: Science Council	February 28, 2022
Faculty Dean's Approval: Nola Etkin	February 28, 2022
Graduate Studies Dean's Approval: N/A	N/A
Registrar's Office Approval: Darcy McCardle	March 10, 2022

NEW COURSE PROPOSAL   Motion #30

LIBRARY RESOURCE REQUIREMENTS FOR A NEW COURSE PROPOSAL

FN 2820 Food Systems: Food Production and Processing

Library Resource Requirements *(to be completed by the liaison and/or collections librarian)*

Existing resources as of February 2022:

- Collections - Holdings, Subscriptions, Other
  - Books
    - Catalogue search for print and online titles published since 2012
      - DE "Food supply" or DE "Food -- Packaging" or DE "Food -- Preservation" or DE "Food industry and trade" or DE "Food security" or DE "Food processing machinery" or DE "Food processing plants" or DE "Fruit -- Postharvest diseases and injuries" or DE "Vegetables -- Postharvest diseases and injuries" or DE "Food Crops" or DE "Crop Produce" or DE "Meat Produce" or DE "Sustainable agriculture" or DE "Fruit -- Handling" or DE "Vegetables -- Handling" or DE "Nuts -- Handling" or DE "Fruit -- Postharvest technology" or DE "Vegetables -- Postharvest technology" or DE "Nuts -- Postharvest technology" or DE "Horticultural products -- Postharvest technology" or DE "Crops -- Postharvest losses" or DE "Crops -- Postharvest technology" or "Food Production" or "Food Processing" or Postharvest = 746 results

  - Journals
    - Subject categories:
      - Agriculture: 178 peer reviewed (336 total)
      - Technology: 307 peer reviewed (574 total)
  - Databases
    - Academic Search Complete
    - CINAHL
    - Gale Health & Wellness
    - MEDLINE (via EBSCOhost)
    - PEN Nutrition
    - PubMed
    - Scopus
    - Statista
    - Statistic Canada's Data Liberation Initiative
- Subscription Dependencies (in interdisciplinary packages)
  - eBook packages
    - Elsevier
    - Sage
    - Springer
    - Wiley
  - Journal packages
    - Elsevier ScienceDirect
    - Springer LINK
    - SAGE Premier Collection
    - Wiley Online
  - Databases (interdisciplinary)
    - CAB Abstracts (via EBSCOhost)

NEW COURSE PROPOSAL   **Motion #30**

- ■ Canadian Socio-Economic Information (via CHASS)
- ■ Data Liberation Initiative
- ■ OneSearch
- ■ PsycINFO
- ■ SAGE Research Methods Video: Practical Research and Academic Skills
- ■ Sage Research Methods Foundations
  - ○ Media
    - ■ Academic Videos Online (AVON, Alexander Street Press)
    - ■ O'Reilly Higher Education
    - ■ AccessEngineering
    - ■ NFB Campus
- ● Physical Space in Library (other than holdings, explain) - N/A
- ● Library Administrative/Research Support - Liaison Librarians provide reference and instruction support to both students and faculty as needed. They monitor publication lists for new titles in the subject area and purchase appropriate titles as existing budgetary resources permit.

New resources needed to support this proposal:

- ● Capital Requirements *(other than new course-specific)* - N/A
- ● Collections:
  - ○ Monographs – Sufficient, but dependencies
  - ○ Subscriptions – Sufficient, but dependencies
  - ○ Databases – Sufficient, but dependencies
  - ○ Other – Sufficient, but dependencies
- ● Physical Space in Library (other than holdings, explain) - N/A
- ● Library Administrative/Research Support - none
- ● Other One-Time or Ongoing Library expenses (e.g. software licenses) – none

Summary of additional budget allocation required:

- ● One-time: _____0_____ For each of   __0___ consecutive years
- ● Annual: _____0_____
  - ○ Per-year percentage increase in annual: __0____

Does the budget allocation for library resources in this proposal meet the requirement?

The Library currently has the resources to support this course, but it is almost entirely supported by database and ebook subscriptions and so ongoing institutional annual budgetary support (including the need to account for annual cost increases) is required to maintain these resources.

Date Received by Liaison/Collections Librarian	February 18, 2022
Name of Librarian to be Contacted for Questions	Kim Mears
Approved by University Librarian or Designate - Name	Donald Moses
Date Approved by UL or Designate	February 25, 2022

NEW COURSE PROPOSAL   **Motion #31**

Faculty/School: **Science**

Department/Program(s): **Applied Human Sciences, Foods and Nutrition**

MOTION: That a new course entitled FN 4020 Advanced Foods II be approved as proposed.

Course Number and Title	FN 4020 Advanced Foods II
Description	This course is a continuation of Advanced Foods (FN3020) with focus on commercialization, food packaging, food laws and regulations, food additives, and quality assurance. Students will develop Standard Operating Procedures (SOP), plan for scaling-up production, and industrial ingredient sourcing.
Cross-Listing	None
Prerequisite/Co-Requisite	FN 3020 or permission of the instructor.
Credit(s)	3
Notation	

This is: An Elective Course   **Grade Mode:** Numeric (Standard)

Anticipated Enrolment: 15   `   **Is there an Enrolment Cap:** No

Rationale for New Course: This course will build on FN 3020 Advanced Foods, providing advanced training in food processing and production for students. This is a required course for students in the Foods & Nutrition program who are pursuing the Cooperative Education program.

Effective Term: FALL 2022

Implications for Other Programs: None

Impact on Students Currently Enrolled: Only students who are admitted to calendar year 2022-2023 and are accepted into the Foods and Nutrition Cooperative Education program will be required to take this course in the winter semester of their second year. Students already enrolled in the FN program will not be required to take this course but they may take it as an elective.

Resources Required: In terms of teaching resources, there are no new resources required; this will be taught as part of FT faculty teaching loads.

In offering this course will UPEI require facilities or staff at other institutions: No

Authorization   *Date:*

Departmental Approval: Rebecca Reed-Jones	February 24, 2022
Faculty/School Approval: Science Council	February 28, 2022
Faculty Dean's Approval: Nola Etkin	February 28, 2022
Graduate Studies Dean's Approval: N/A	N/A
Registrar's Office Approval: Darcy McCardle	March 10, 2022

NEW COURSE PROPOSAL   Motion #31

LIBRARY RESOURCE REQUIREMENTS FOR A NEW COURSE PROPOSAL

FN 4020 Advanced Foods II

Library Resource Requirements *(to be completed by the liaison and/or collections librarian)*

Existing resources as of February 2022:

- Collections - Holdings, Subscriptions, Other
  - Books
    - Catalogue search for print and online titles published since 2012
      - DE "Food law and legislation" OR DE "Food industry and trade -- Safety regulations" OR DE "Food adulteration and inspection" OR DE "Food -- Safety measures" OR DE "Food -- Safety regulations" OR DE "Food Safety" OR DE "Food -- Quality" OR DE "Food -- Analysis -- Quality control" OR DE "Food additives" OR DE "Food -- Composition" OR DE "Food preservatives"OR DE "Food supply" or DE "Food -- Packaging" or DE "Food -- Preservation" or DE "Food industry and trade" or DE "Food Crops" or DE "Crop Produce" or "Food Production" or "Food Processing" = 706 results
  - Journals
    - Subject categories:
      - Agriculture: 178 peer reviewed (336 total)
      - Technology: 307 peer reviewed (574 total)
  - Databases
    - Academic Search Complete
    - CINAHL
    - Gale Health & Wellness
    - MEDLINE (via EBSCOhost)
    - PEN Nutrition
    - PubMed
    - Scopus
    - Statista
    - Statistic Canada's Data Liberation Initiative
- Subscription Dependencies (in interdisciplinary packages)
  - eBook packages
    - Elsevier
    - Sage
    - Springer
    - Wiley
  - Journal packages
    - Elsevier ScienceDirect
    - Springer LINK
    - SAGE Premier Collection
    - Wiley Online
  - Databases (interdisciplinary)
    - CAB Abstracts (via EBSCOhost)
    - Canadian Socio-Economic Information (via CHASS)
    - Data Liberation Initiative
    - OneSearch
    - PsycINFO

NEW COURSE PROPOSAL   **Motion #31**

- - - ■ SAGE Research Methods Video: Practical Research and Academic Skills
      ■ Sage Research Methods Foundations
  - ○ Media
      ■ Academic Videos Online (AVON, Alexander Street Press)
      ■ O'Reilly Higher Education
      ■ AccessEngineering
      ■ NFB Campus
- Physical Space in Library (other than holdings, explain) - N/A
- Library Administrative/Research Support - Liaison Librarians provide reference and instruction support to both students and faculty as needed. They monitor publication lists for new titles in the subject area and purchase appropriate titles as existing budgetary resources permit.

New resources needed to support this proposal:

- Capital Requirements *(other than new course-specific)* - N/A
- Collections:
  - ○ Monographs – Sufficient, but dependencies
  - ○ Subscriptions – Sufficient, but dependencies
  - ○ Databases – Sufficient, but dependencies
  - ○ Other – Sufficient, but dependencies
- Physical Space in Library (other than holdings, explain) - N/A
- Library Administrative/Research Support - none
- Other One-Time or Ongoing Library expenses (e.g. software licenses) - none

Summary of additional budget allocation required:

- One-time: _____0_____ For each of __0___ consecutive years
- Annual: _____0_____
  - ○ Per-year percentage increase in annual: __0____

Does the budget allocation for library resources in this proposal meet the requirement?

The Library currently has the resources to support this course, but it is almost entirely supported by database and ebook subscriptions and so ongoing institutional annual budgetary support (including the need to account for annual cost increases) is required to maintain these resources.

Date Received by Liaison/Collections Librarian	February 18, 2022
Name of Librarian to be Contacted for Questions	Kim Mears
Approved by University Librarian or Designate - Name	Donald Moses
Date Approved by UL or Designate	February 25, 2022

CALENDAR AND CURRICULUM CHANGE   Motion #32

Revision is for a: **Calendar Entry Change**
Faculty/School/Department: **Science**
Department/Program(s)/Academic Regulations: **Applied Human Sciences, Foods and Nutrition**
MOTION: To have the change in the calendar entry for the Foods and Nutrition Program approved as proposed.

Foods and Nutrition	**Foods and Nutrition**
REQUIREMENTS FOR A MAJOR IN FOODS & NUTRITION Students following this degree program must complete 42 semester hours of required courses in Foods and Nutrition.	**REQUIREMENTS FOR A MAJOR IN FOODS & NUTRITION** Students following this degree program must complete ~~42~~ 45 semester hours of required courses in Foods and Nutrition.
REQUIRED COURSES FOR FOODS AND NUTRITION MAJOR	**REQUIRED COURSES FOR FOODS AND NUTRITION MAJOR**
Foods and Nutrition 1010 – Concepts and Controversies in Nutrition 2110 – Introductory Nutrition I 2120 – Introductory Nutrition II 2230 – Determinants of Dietary Behaviour 2610 – Communications 2810 – Introductory Foods 3020 – Advanced Foods 3310 – Introduction to Research Methods 3510 – Nutritional Assessment 3520 – Clinical Nutrition I 3820 – Program Planning & Evaluation 4120 – Human Metabolism 4340 – Community Nutrition One Foods and Nutrition elective at the 3000 or 4000 level	**Foods and Nutrition** 1010 – Concepts and Controversies in Nutrition 2110 – Introductory Nutrition I 2120 – Introductory Nutrition II 2230 – Determinants of Dietary Behaviour 2610 – Communications 2810 – Introductory Foods 2820 – Food Systems: Food Production and Processing 3020 – Advanced Foods 3310 – Introduction to Research Methods 3510 – Nutritional Assessment 3520 – Clinical Nutrition I 3820 – Program Planning & Evaluation 4120 – Human Metabolism 4340 – Community Nutrition One Foods and Nutrition elective at the 3000 or 4000 level
REQUIRED COURSES FROM OTHER DEPARTMENTS	**REQUIRED COURSES FROM OTHER DEPARTMENTS**
Mathematics 1110 – Finite Mathematics or 1120 Calculus for the Managerial, Social and Life Sciences	*Mathematics* 1110 – Finite Mathematics or 1120 Calculus for the Managerial, Social and Life Sciences
Statistics 1210 – Introductory Statistics	*Statistics* 1210 – Introductory Statistics
Chemistry 1110 – General Chemistry I 1120 – General Chemistry II 2430 – Organic Chemistry for the Life Sciences	*Chemistry* 1110 – General Chemistry I 1120 – General Chemistry II

CALENDAR AND CURRICULUM CHANGE   **Motion #32**

<table>
<tr><td>

3530 – Biochemistry

Biology
1220 – Human Physiology
1310 – Introduction to Cell and Molecular Biology
2060 – Microbiology

Business
1710 – Organizational Behaviour

Social Sciences
Two 3 semester hour courses

UPEI courses and Writing Intensive Course
One of:
UPEI 1010 – Writing Studies – Engaging Writing, Rhetoric, and Communication,
UPEI 1020 – Inquiry Studies – Engaging Ideas and Cultural Contexts, OR
UPEI 1030 – University Studies – Engaging University Contexts and Experience AND one writing intensive course

COURSE SEQUENCE

Following is the usual sequence for completion of courses:

First Year
Foods and Nutrition 1010 – Concepts and Controversies in Nutrition
Biology 1220 – Human physiology
Biology 1310 – Introduction to Cell and Molecular Biology
Chemistry 1110 – General Chemistry I
Chemistry 1120 – General Chemistry II
One of UPEI 1010, 1020 or 1030
Math 1110 – Finite Mathematics OR
Math 1120 – Calculus for the Managerial, Social and Life Sciences
Two 3 semester hours Social Science
1 free elective

Second Year
Foods and Nutrition 2110 – Introductory Nutrition I
Foods and Nutrition 2120 – Introductory Nutrition II
Foods and Nutrition 2230 – Determinants of Dietary Behaviour
Foods and Nutrition 2610 – Communications
Foods and Nutrition 2810 – Introductory Foods
Biology 2060 – Microbiology

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2430 – Organic Chemistry for the Life Sciences
3530 – Biochemistry

Biology
1220 – Human Physiology
1310 – Introduction to Cell and Molecular Biology
2060 – Microbiology

Business
1710 – Organizational Behaviour

Social Sciences
Two 3 semester hour courses

UPEI courses and Writing Intensive Course
One of:
UPEI 1010 – Writing Studies – Engaging Writing, Rhetoric, and Communication,
UPEI 1020 – Inquiry Studies – Engaging Ideas and Cultural Contexts, OR
UPEI 1030 – University Studies – Engaging University Contexts and Experience AND one writing intensive course

COURSE SEQUENCE

Following is the usual sequence for completion of courses:

First Year
Foods and Nutrition 1010 – Concepts and Controversies in Nutrition
Biology 1220 – Human physiology
Biology 1310 – Introduction to Cell and Molecular Biology
Chemistry 1110 – General Chemistry I
Chemistry 1120 – General Chemistry II
One of UPEI 1010, 1020 or 1030
Math 1110 – Finite Mathematics OR
Math 1120 – Calculus for the Managerial, Social and Life Sciences
<u>Business 1710 – Organizational Behaviour</u>
Two 3 semester hours Social Science
~~1 free elective~~

Second Year
Foods and Nutrition 2110 – Introductory Nutrition I
Foods and Nutrition 2120 – Introductory Nutrition II
Foods and Nutrition 2230 – Determinants of Dietary Behaviour
Foods and Nutrition 2610 – Communications
Foods and Nutrition 2810 – Introductory Foods

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CALENDAR AND CURRICULUM CHANGE   **Motion #32**

Chemistry 2430 – Organic Chemistry for the Life Sciences
Statistics 1210 – Introductory Statistics
Business 1710 – Organizational Behaviour
One free elective
Third Year
Foods and Nutrition 3020 – Advanced Foods
Foods and Nutrition 3310 – Introduction to Research Methods
Foods and Nutrition 3510 – Nutritional Assessment
Foods and Nutrition 3520 – Clinical Nutrition I
Foods and Nutrition 3820 – Program Planning & Evaluation
Chemistry 3530 – Biochemistry
Four free electives

Fourth Year
Foods and Nutrition 4120 – Human Metabolism
Foods and Nutrition 4340 – Community Nutrition
One Foods and Nutrition elective at the 3000 or 4000 level
Six free electives

DIETETIC OPTION

In addition to the courses required for the Foods and Nutrition major, students interested in applying for dietetic internship must take Foods and Nutrition 3210 (Foodservice Systems Management), Foods and Nutrition 3710 (Lifespan Nutrition), Foods and Nutrition 3830 (Professional Practice in Dietetics), Foods and Nutrition 4220 (Quantity Food Production), Foods and Nutrition 4310 (Evidence-Based Practice in the Health Sciences), and Foods and Nutrition 4610 (Clinical Nutrition II).

COURSE SEQUENCE

Following is the usual sequence for completion of courses:

First Year
Foods and Nutrition 1010 – Concepts and Controversies in Nutrition
Biology 1220 – Human Physiology
Biology 1310 – Introduction to Cell and Molecular Biology
Chemistry 1110 – General Chemistry I
Chemistry 1120 – General Chemistry II
One of UPEI 1010, 1020 or 1030
Math 1110 – Finite Mathematics **OR** Math 1120 – Calculus for the Managerial, Social and Life Sciences
Two 3 semester hours Social Science
One free elective

Foods and Nutrition 2820 – Food Systems: Food Production and Processing
Biology 2060 – Microbiology
~~Business 1710 – Organizational Behaviour~~
Chemistry 2430 – Organic Chemistry for the Life Sciences
Statistics 1210 – Introductory Statistics
One free elective

Third Year
Foods and Nutrition 3020 – Advanced Foods
Foods and Nutrition 3310 – Introduction to Research Methods
Foods and Nutrition 3510 – Nutritional Assessment
Foods and Nutrition 3520 – Clinical Nutrition I
Foods and Nutrition 3820 – Program Planning & Evaluation
Chemistry 3530 – Biochemistry
Four free electives

Fourth Year
Foods and Nutrition 4120 – Human Metabolism
Foods and Nutrition 4340 – Community Nutrition
One Foods and Nutrition elective at the 3000 or 4000 level
~~Six~~ Seven free electives

DIETETIC OPTION

In addition to the courses required for the Foods and Nutrition major, students interested in applying for dietetic internship must take Foods and Nutrition 3210 (Foodservice Systems Management), Foods and Nutrition 3710 (Lifespan Nutrition), Foods and Nutrition 3830 (Professional Practice in Dietetics), Foods and Nutrition 4220 (Quantity Food Production), Foods and Nutrition 4310 (Evidence-Based Practice in the Health Sciences), and Foods and Nutrition 4610 (Clinical Nutrition II).

COURSE SEQUENCE: DIETETICS

Following is the usual sequence for completion of courses:

First Year
Foods and Nutrition 1010 – Concepts and Controversies in Nutrition
Biology 1220 – Human Physiology
Biology 1310 – Introduction to Cell and Molecular Biology
Chemistry 1110 – General Chemistry I
Chemistry 1120 – General Chemistry II
One of UPEI 1010, 1020 or 1030
Math 1110 – Finite Mathematics **OR** Math 1120 – Calculus for the Managerial, Social and Life Sciences

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CALENDAR AND CURRICULUM CHANGE   Motion #32

Second Year
Foods and Nutrition 2110 – Introductory Nutrition I
Foods and Nutrition 2120 – Introductory Nutrition II
Foods and Nutrition 2230 – Determinants of Dietary Behaviour
Foods and Nutrition 2610 – Communications
Foods and Nutrition 2810 – Introductory Foods
Biology 2060 – Microbiology
Chemistry 2430 – Organic Chemistry for the Life Sciences
Statistics 1210 – Introductory Statistics
Business 1710 – Organizational Behaviour
One free elective

Third Year
Foods and Nutrition 3020 – Advanced Foods
Foods and Nutrition 3210 – Foodservice Systems Management
Foods and Nutrition 3310 – Introduction to Research Methods
Foods and Nutrition 3510 – Nutritional Assessment
Foods and Nutrition 3520 – Clinical Nutrition I
Foods and Nutrition 3710 – Lifespan Nutrition
Foods and Nutrition 3820 – Program Planning & Evaluation
Foods and Nutrition 3830 – Professional Practice in Dietetics
Chemistry 3530 – Biochemistry
One free elective

Fourth Year
Foods and Nutrition 4120 – Human Metabolism
Foods and Nutrition 4220 – Quantity Food Production
Foods and Nutrition 4310 – Evidence-Based Practice in the Health Sciences
Foods and Nutrition 4340 – Community Nutrition
Foods and Nutrition 4610 – Clinical Nutrition II
Five free electives

Students in Foods and Nutrition may apply for admission to the optional Integrated Dietetic Internship Program. For more information about the program, see the Dietetic Internship program page.

CO-OP EDUCATION IN APPLIED HUMAN SCIENCES

The UPEI Co-op Program is an integrated approach to university education which enables students to alternate academic terms on campus with work terms in suitable employment. The success of such programs is founded on

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Business 1710 – Organizational Behaviour
Two 3 semester hours Social Science
~~One free elective~~

Second Year
Foods and Nutrition 2110 – Introductory Nutrition I
Foods and Nutrition 2120 – Introductory Nutrition II
Foods and Nutrition 2230 – Determinants of Dietary Behaviour
Foods and Nutrition 2610 – Communications
Foods and Nutrition 2810 – Introductory Foods
Biology 2060 – Microbiology
Chemistry 2430 – Organic Chemistry for the Life Sciences
Statistics 1210 – Introductory Statistics
~~Business 1710 – Organizational Behaviour~~
Two ~~One~~ free elective<u>s</u>

Third Year
Foods and Nutrition 3020 – Advanced Foods
Foods and Nutrition 3210 – Foodservice Systems Management
Foods and Nutrition 3310 – Introduction to Research Methods
Foods and Nutrition 3510 – Nutritional Assessment
Foods and Nutrition 3520 – Clinical Nutrition I
~~Foods and Nutrition 3710 – Lifespan Nutrition~~
Foods and Nutrition 3820 – Program Planning & Evaluation
Foods and Nutrition 3830 – Professional Practice in Dietetics
Chemistry 3530 – Biochemistry
~~One~~ Two free elective<u>s</u>

Fourth Year
<u>Foods and Nutrition 3710 – Lifespan Nutrition</u>
Foods and Nutrition 4120 – Human Metabolism
Foods and Nutrition 4220 – Quantity Food Production
Foods and Nutrition 4310 – Evidence-Based Practice in the Health Sciences
Foods and Nutrition 4340 – Community Nutrition
Foods and Nutrition 4610 – Clinical Nutrition II
~~Five~~ Four free electives

~~Students in Foods and Nutrition may apply for admission to the optional Integrated Dietetic Internship Program. For more information about the program, see the Dietetic Internship program page.~~

CO-OP<u>ERATIVE</u> EDUCATION IN APPLIED HUMAN SCIENCES

CALENDAR AND CURRICULUM CHANGE   Motion #32

the principle that students are able to apply theoretical knowledge from course studies in the workplace and return to the classroom with practical workplace experience. Students who successfully complete all the requirements of the program will have the notation entered on their transcripts and on the graduation parchment.

Students accepted into the program complete at least three paid work terms of normally 14 weeks duration, and three professional development courses. Credits earned through completion of work terms are counted as general electives.

The Co-operative Education Program option is available to full-time students in the Foods and Nutrition program (excluding dietetic option). Applications to the Co-operative Education Program are normally made after completion of the first year of study.

See the Co-operative Education Program section of the UPEI Academic Calendar for more information.

The UPEI Co-operative Education Program is an integrated approach to university education which enables students to alternate academic terms on campus with work terms in suitable employment. The success of such programs is founded on the principle that students are able to apply theoretical knowledge from course studies in the workplace and return to the classroom with practical workplace experience. Students who successfully complete all the requirements of the program will have the notation entered on their transcripts and on the graduation parchment.

In addition to the courses required for the Foods and Nutrition major, students enrolled in the Foods and Nutrition Co-operative Education Program must successfully complete Foods and Nutrition 3210 Food Service Systems Management, Foods and Nutrition 4020 Advanced Foods II and Business 1410 Marketing, as well as the required minimum number of Co-op courses to be eligible for the Co-op designation.

Students accepted into the program complete at least three paid work terms of normally 14 weeks duration, and three professional development courses. Credits earned through completion of work terms are counted as general electives.

The Co-operative Education Program option is available to full-time students in the Foods and Nutrition program (excluding dietetic option). Applications to the Co-operative Education Program are normally made after completion of the first year of study.

See the Co-operative Education Program section of the UPEI Academic Calendar for more information.

COURSE SEQUENCE

First Year
Foods and Nutrition 1010 – Concepts and Controversies in Nutrition
Biology 1220 – Human physiology
Biology 1310 – Introduction to Cell and Molecular Biology
Chemistry 1110 – General Chemistry I
Chemistry 1120 – General Chemistry II
One of UPEI 1010, 1020 or 1030
Math 1110 – Finite Mathematics OR
Math 1120 – Calculus for the Managerial, Social and Life Sciences
Business 1710 – Organizational Behaviour
Two 3 semester hours Social Science

CALENDAR AND CURRICULUM CHANGE   Motion #32

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Second Year
Foods and Nutrition 2110 – Introductory Nutrition I
Foods and Nutrition 2120 – Introductory Nutrition II
Foods and Nutrition 2230 – Determinants of Dietary Behaviour
Foods and Nutrition 2610 – Communications
Foods and Nutrition 2810 – Introductory Foods
Foods and Nutrition 2820 – Food Systems: Food Production and Processing
Biology 2060 – Microbiology
Chemistry 2430 – Organic Chemistry for the Life Sciences
Statistics 1210 – Introductory Statistics
COOP 2110-2120 – Career Skills I
COOP 2210 – Work term

Third Year
Foods and Nutrition 3020 – Advanced Foods
Foods and Nutrition 3210 – Food Service Systems Management
Foods and Nutrition 3310 – Introduction to Research Methods
Foods and Nutrition 3510 – Nutritional Assessment
Foods and Nutrition 3520 – Clinical Nutrition I
Foods and Nutrition 3820 – Program Planning & Evaluation
Chemistry 3530 – Biochemistry
Business 1410 – Marketing
COOP 3110-4110 – Career Skills II and III
COOP 3210 – Work term
One free elective

Fourth Year
Foods and Nutrition 4020 – Advanced Foods II
Foods and Nutrition 4120 – Human Metabolism
Foods and Nutrition 4340 – Community Nutrition
One Foods and Nutrition elective at the 3000 or 4000 level
COOP 4210 – Work term
Five free electives

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Rationale for Change: The proposed revised calendar entry includes the proposed new required course FN 2820 Food Systems: Food Production and Processing, which is needed to meet new competencies for the dietetic profession, which require a stronger background in food systems than is currently provided in the FN program. Bus 1710 is moved to first year so that there are two electives in second year. Three required courses (two existing, one proposed) are also added to the FN Co-operative Education program. These additions are necessary in order to prepare FN co-op students for their work terms in the food and hospitality industry. FN 3710 Lifespan Nutrition is moved to fourth year for dietetics students only as it is not a requirement for their application to the program in third year; rather, it is a graduation requirement.

Effective Term: FALL 2022

Implications for Other Programs: None

CALENDAR AND CURRICULUM CHANGE   Motion #32

Impact on Students Currently Enrolled: Students already enrolled in the FN program will not be required to take FN 2820 Food Systems: Food Production and Processing but they may take it as an elective. Only students who are admitted to calendar year 2022-2023 or later will be required to take FN 2820 Food Systems: Food Production and Processing in the winter semester of their second year. Students admitted to the FN Co-operative Education program calendar year 2022-2023 will be required to take FN 4020 Advanced Foods II.

Authorization   *Date:*

Departmental Approval: Rebecca Reed-Jones	February 24, 2022
Faculty/School Approval: Science Council	February 28, 2022
Faculty Dean's Approval: Nola Etkin	February 28, 2022
Grad. Studies Dean's Approval: N/A	N/A
Registrar's Office Approval: Darcy McCardle	March 10, 2022

CALENDAR AND CURRICULUM CHANGE   Motion #33

Revision is for a: **Course Description Change**

Faculty/School/Department: **Science**

Department/Program(s)/Academic Regulations: **Physics**

MOTION: That the course description and title change for PHYS 2630 be approved as proposed.

PHYS-2630 Atmospheric and Ocean Physics The course is an introduction to fluid dynamics to describe atmospheric and ocean circulation, and interactions with the cryosphere; thermodynamics, cosmic and solar radiation and the global energy balance; physics and role of atmospheric aerosols and clouds in the climate system; instrumentation and measurement physics with a focus on temperature, humidity, pressure and solar radiation; computational physics and modeling of climate properties and processes. Field trips. PREREQUISITES: Chemistry 1110, and Math 1120 or Math 1910 Semester hours of credit: 3	**PHYS-2630** ~~Atmospheric and Ocean~~ Climate Physics The course is an introduction to the physics of climate change. Topics include understanding, evaluating and interpreting climate observations and associated physical data; atomic and molecular physics to describe atmospheric processes; basic fluid dynamics to describe atmospheric and oceanic circulation~~, and interactions with the cryosphere~~; thermodynamics~~, cosmic~~ and solar radiation to describe ~~and~~ the global energy balance; ~~physics and role of atmospheric aerosols and clouds in the climate system~~; instrumentation and measurement physics with a focus on atmospheric temperature, humidity~~,~~ and pressure ~~and solar radiation~~; computational physics and modeling of climate ~~properties~~ systems and processes. Field trips may be offered. PREREQUISITES: Chemistry 1110, and Math 1120 or Math 1910 Semester hours of credit: 3

Rationale for Change: This course was created at the time the climate adaptation program was created. The rationale to update the course content (and name) is: 1) to better reflect what is actually being taught in the course, 2) to optimize the course content in light of other required courses that have since been added to the climate adaptation program, and 3) to better align the content with the limited or dearth of physics background among many of the students in the climate adaptation program. In addition, the course will adopt a new text book, The Physics of Climate Change,that is appropriate for this cohort of students. These changes as presented have been developed in consultation with the School of Climate Change.

Effective Term: FALL 2022   **Implications for Other Programs:** None

Impact on Students Currently Enrolled: None

Authorization   *Date:*

Departmental Approval: Dr. Derek Lawther	February 11, 2022
Faculty/School Approval: Science Council	February 14, 2022
Faculty Dean's Approval: Dr. Nola Etkin	February 14, 2022
Grad. Studies Dean's Approval: N/A	N/A
Registrar's Office Approval: Darcy McCardle	March 10, 2022

CALENDAR AND CURRICULUM CHANGE   Motion #34

Revision is for a: **Pre-requisite Addition/Change**

Faculty/School/Department: **Science**

Department/Program(s)/Academic Regulations: **School of Climate Change and Adaptation**

MOTION: To approve the change in pre-requisite as proposed for ACC 3040 CLIMATE CHANGE STATISTICS IN R.

Reproduction of Current Calendar Entry	Proposed revision with changes underlined and deletions indicated clearly
CLIMATE CHANGE STATISTICS IN R The R language is widely used among climatologists for data analysis and provides a wide variety of statistical (linear and nonlinear modelling, classical statistical tests, time-series analysis, classification, clustering, etc.) and graphical techniques, and is highly extensible. This course will provide an introduction to computer programming in R and how to use R for effective climate data analysis. PREREQUISITE: MATH 1910, CS 1910 and STAT 1910; Admission to the ACC Program Three hours a week on-line, three hours laboratory; Three semester hours	CLIMATE CHANGE STATISTICS IN R The R language is widely used among climatologists for data analysis and provides a wide variety of statistical (linear and nonlinear modelling, classical statistical tests, time-series analysis, classification, clustering, etc.) and graphical techniques, and is highly extensible. This course will provide an introduction to computer programming in R and how to use R for effective climate data analysis. PREREQUISITE: MATH 1910 <u>or MATH 1120</u>, CS 1910 and STAT 1910; Admission to the ACC Program Three hours <u>lecture</u> ~~a week on-line~~, three hours laboratory; Three semester hours

Rationale for Change: Program requirements are Math 1910 or Math 1120. To prevent limitations to delivery mode.

Effective Term: FALL 2022

Implications for Other Programs: None

Impact on Students Currently Enrolled: None

Authorization   *Date:*

Departmental Approval: School of Climate Change & Adaptation	February 8, 2022
Faculty/School Approval: Science Council	February 14, 2022
Faculty Dean's Approval: Nola Etkin, Dean	February 14, 2022
Grad. Studies Dean's Approval: N/A	N/A
Registrar's Office Approval: Darcy McCardle	March 10, 2022

Form Version: January 2022

NEW COURSE PROPOSAL   **Motion #35**

Faculty/School: **Science**
Department/Program(s): **Mathematical and Computational Sciences**
MOTION: That a new course entitled AMS 3140 Probability for Actuaries be approved as proposed.

Course Number and Title	**AMS 3140 – Probability for Actuaries**
Description	The purpose of this course is to prepare students for the Probability professional exam by bringing together topics such as probability, continuous and discrete univariate random variables (including binomial, negative binomial, geometric, hypergeometric, Poisson, uniform, exponential, gamma, normal), probability generating functions, moment generating functions, multivariate random variables(including the bivariate normal), joint distributions, conditional distributions, marginal distributions, functions of random variables. In addition, the following topics are introduced: Central Limit Theorem, risk and insurance applications, and probability applications in actuarial science (including discrete and continuous time Markov chains with application to insurance).
Cross-Listing	N/A
Prerequisite/Co-Requisite	STAT 2910
Credit(s)	3
Notation	Three lecture hours per week plus one-hour lab per week

This is: A Core Course   **Grade Mode:** Numeric (Standard)

Anticipated Enrolment: 25   **Is there an Enrolment Cap:** No
If there is an enrolment limit, please explain. N/A

Rationale for New Course: As a result of the growth and development in the predictive analytics area and the growing demand from employers for those skills including the addition of new professional actuarial accreditation requirements in that area, the course AMS 3140 is being added. AMS 3140 is designed for the professional requirements in the Actuarial Science programs and accordingly must be added as a required course within the Actuarial Science programs which prepares students for the professional accreditation requirements within the Associateship which includes the necessary statistical knowledge.

Effective Term: FALL 2022   **Implications for Other Programs:** None

Impact on Students Currently Enrolled: None

Resources Required: Current resources

In offering this course will UPEI require facilities or staff at other institutions: No
If yes, please explain. N/A

NEW COURSE PROPOSAL   Motion #35

Authorization	*Date:*
Departmental Approval: Shannon Fitzpatrick	January 28, 2022
Faculty/School Approval: Science Council	February 14, 2022
Faculty Dean's Approval: Nola Etkin, Dean	February 14, 2022
Grad. Studies Dean's Approval: N/A	N/A
Registrar's Office Approval: Darcy McCardle	March 10, 2022

NEW COURSE PROPOSAL   Motion #35

LIBRARY RESOURCE REQUIREMENTS FOR A NEW COURSE PROPOSAL

AMS 3140 Probability for Actuaries

Library Resource Requirements *(to be completed by the liaison and/or collections librarian)*

Existing resources:

- Collections - Holdings, Subscriptions, Other
  - Using the library catalogue to search for books and ebooks with either the keywords "probability" or "probabilities" returned over 7000 results. Refining this search to include either of these keywords as well as the key phrase "mathematical models" returned over 1300 results. Ebooks were sourced from specialized resources such as O'Reilly Books for Higher Education (formerly known as Safari) as well as interdisciplinary dependencies such as Proquest, Wiley, ScienceDirect, and EBSCO.
  - 77 journals found when browsing journal list by subject, grouped under "insurance"
  - OneSearch platform provides over 238,000 indexed citations with search term "actuar*" from the last 10 years, and over 18,000 citations when searching "actuar* AND probabilit*" in the same time frame. Widening the search by removing "actua" and instead searching "probabilit* AND math* model*" returned over 450,000 citations.

Library Administrative/Research Support

    Liaison librarian is available to support both students and faculty.

New resources needed to support this proposal: n/a

Summary of additional budget allocation required:

- One-time: ____n/a_____   For each of _n/a____ consecutive years
- Annual: _____n/a_____
  - Per-year percentage increase in annual: __n/a____

Does the budget allocation for library resources in this proposal meet the requirement?

Yes, however substantial portions of full-text holdings are contingent on continued receipt of funding from SMCS.

Date Received by Liaison/Collections Librarian	February 8, 2022
Name of Librarian to be Contacted for Questions	Mackenzie Johnson
Approved by University Librarian or Designate - Name	Donald Moses
Date Approved by UL or Designate	Feb. 14, 2022

NEW COURSE PROPOSAL

Motion #36

Faculty/School: **Science**
Department/Program(s): **Mathematical and Computational Sciences**
MOTION: That a new course entitled AMS 3420 - Introduction to Financial Derivatives be approved as proposed.

Course Number and Title	**AMS 3420 - Introduction to Financial Derivatives**
Description	Introduction to mathematical techniques used to price and hedge derivative securities in modern finance. Topics include: modelling, analysis and computations for basic options and forwards on different class assets, general properties of options including put-call parity relationship, pricing and hedging of European and American options using the binomial model, Black-Scholes formulas for calls and puts, option Greeks, Delta-hedging, exotic options including Asian and barrier options.
Cross-Listing	N/A
Prerequisite/Co-Requisite	AMS 2160
Credit(s)	3
Notation	Three lecture hours per week plus one-hour lab per week

This is: A Core Course   **Grade Mode:** Numeric (Standard)

Anticipated Enrolment: 25   **Is there an Enrolment Cap:** No

Rationale for New Course: As a result of the recent updates to the professional actuarial accreditation requirements including the removal of the Investment & Financial Markets (IFM) Actuarial Science professional exam from the Associateship examinations, the two courses AMS 2410 and AMS 3410 and their respective Labs are being replaced by a new and less extensive course AMS 3420 with a Lab.

Effective Term: FALL 2022   **Implications for Other Programs:** None

Impact on Students Currently Enrolled: This course is replacing two required courses, AMS 2410 and AMS 3410, in the Actuarial Science and Financial Math programs. Students who are currently registered in these programs but have not completed AMS 2410/3410 will be able to use AMS 3420 and a related elective as substitutions.

Resources Required: Same as current.

In offering this course will UPEI require facilities or staff at other institutions: No

Authorization   *Date:*

Departmental Approval: Shannon Fitzpatrick	January 28, 2022
Faculty/School Approval: Science Council	February 14, 2022
Faculty Dean's Approval: Nola Etkin, Dean	February 14, 2022
Grad. Studies Dean's Approval: N/A	N/A
Registrar's Office Approval: Darcy McCardle	March 10, 2022

NEW COURSE PROPOSAL   **Motion #36**

LIBRARY RESOURCE REQUIREMENTS FOR A NEW COURSE PROPOSAL

AMS 3420 Introduction to Financial Derivatives

Library Resource Requirements *(to be completed by the liaison and/or collections librarian)*

Existing resources:

- Collections - Holdings, Subscriptions, Other
  - A keyword search of "financial derivatives" in the library catalogue (targeting books and ebooks only) returned over 950 results, and a subject heading search of "derivative securities" returned over 250 results. Ebooks were sourced from specialized resources such as O'Reilly Books for Higher Education (formerly known as Safari) as well as interdisciplinary dependencies such as Proquest, Wiley, ScienceDirect, and EBSCO.
  - 77 journals found when browsing journal list by subject, grouped under "insurance"
  - OneSearch platform provides over 238,000 indexed citations with search term "actuar*" from the last 10 years, and over 14,000 citations when searching "actuar* AND deriv*" in the same time frame. A search for "derivative securities" with the same parameters provided over 31,000 citations.
- Library Administrative/Research Support
  - Liaison librarian is available to support both students and faculty.

New resources needed to support this proposal: n/a

Summary of additional budget allocation required:

- One-time: _____n/a_____ For each of _n/a____ consecutive years
- Annual: _____n/a_____
  - Per-year percentage increase in annual: __n/a____

Does the budget allocation for library resources in this proposal meet the requirement?

Yes, however substantial portions of full-text holdings are contingent on continued receipt of funding from SMCS.

Date Received by Liaison/Collections Librarian	February 8, 2022
Name of Librarian to be Contacted for Questions	Mackenzie Johnson
Approved by University Librarian or Designate - Name	Donald Moses
Date Approved by UL or Designate	Feb. 14, 2022

NEW COURSE PROPOSAL   Motion #37

Faculty/School: **Science**
Department/Program(s): **Mathematical and Computational Sciences**
MOTION: That a new course entitled AMS 4450 Statistics for Risk Modeling be approved as proposed.

Course Number and Title	**AMS 4450 Statistics for Risk Modeling**
Description	The purpose of this course is to prepare for the Statistics for Risk Modeling professional exam by bringing together topics such as the key concepts of statistical learning and regression modelling with applications; linear models; time series models; principal components analysis; decision trees; and cluster analysis with their applications.
Cross-Listing	N/A
Prerequisite/Co-Requisite	AMS 3140, STAT 3240, STAT 4330, and MCS 2030 STAT 4280 must be taken at least concurrently
Credit(s)	3
Notation	Three lecture hours per week plus two hours lab per week

This is: A Core Course   **Grade Mode:** Numeric (Standard)

Anticipated Enrolment: 25   **Is there an Enrolment Cap:** No

Rationale for New Course: As a result of the growth and development in the predictive analytics area and the growing demand from employers for those skills including the addition of new professional actuarial accreditation requirements in that area, the course AMS 4450 is being added. AMS 4450 is designed for the professional requirements in the Actuarial Science program and accordingly must be added within the Actuarial Science Pre-Professional Specialization program which prepares students for the professional accreditation requirements within the Associateship.

Effective Term: FALL 2022   **Implications for Other Programs:** None

Impact on Students Currently Enrolled: This course will be replacing Stat 3250 in the Actuarial Science with Pre-Professional Specialization program. Students who require Stat 3250 in their program will be offered this course as a substitution.

Resources Required: Current resources.

In offering this course will UPEI require facilities or staff at other institutions: No

Authorization   *Date:*

Departmental Approval: Shannon Fitzpatrick	January 28, 2022
Faculty/School Approval: Science Council	February 14, 2022
Faculty Dean's Approval: Nola Etkin, Dean	February 14, 2022
Grad. Studies Dean's Approval: N/A	N/A
Registrar's Office Approval: Darcy McCardle	March 10, 2022

NEW COURSE PROPOSAL   **Motion #37**

LIBRARY RESOURCE REQUIREMENTS FOR A NEW COURSE PROPOSAL

AMS 4450 Statistics for Risk Modeling

Library Resource Requirements *(to be completed by the liaison and/or collections librarian)*

Existing resources:

- Collections - Holdings, Subscriptions, Other
    - A search in the library catalogue using the keywords "risk modeling" and "statistics" returned over 1000 books and eBooks. Searching for the subject heading "statistical methods" and the keyword "risk" returned over 200 results. Ebooks were sourced from specialized resources such as O'Reilly Books for Higher Education (formerly known as Safari) as well as interdisciplinary dependencies such as Proquest, Wiley, ScienceDirect, and EBSCO.
    - 77 journals found when browsing journal list by subject, grouped under "insurance"
    - OneSearch platform provides over 238,000 indexed citations with search term "actuar*" from the last 10 years, and over 50,000 citations when searching "actuar* AND statistic*" in the same time frame. Removing "actuar*" and instead searching "statistic* AND (risk N3 model)" with the same parameters of time returned over 91,000 citations.
- Library Administrative/Research Support
    - Liaison librarian is available to support both students and faculty.

New resources needed to support this proposal: n/a

Summary of additional budget allocation required:

- One-time: _____n/a_____ For each of _n/a____ consecutive years
- Annual: _____n/a_____
    - Per-year percentage increase in annual: __n/a____

Does the budget allocation for library resources in this proposal meet the requirement?

Yes, however substantial portions of full-text holdings are contingent on continued receipt of funding from SMCS.

Date Received by Liaison/Collections Librarian	February 8, 2022
Name of Librarian to be Contacted for Questions	Mackenzie Johnson
Approved by University Librarian or Designate - Name	Donald Moses
Date Approved by UL or Designate	Feb. 14, 2022

Form Version: September 2021

CALENDAR AND CURRICULUM CHANGE   Motion #38

Revision is for a: **Pre-requisite Addition/Change**

Faculty/School /Department: **Science**

Department/Program(s)/Academic Regulations: **Mathematical and Computational Sciences**

MOTION: To have the change in prerequisite for AMS 4080 Financial Mathematics II be approved as proposed.

Reproduction of Current Calendar Entry	Proposed revision with changes underlined and deletions indicated clearly
AMS 4080 Financial Mathematics II This course explores foundational notions and models in financial mathematics. Topics include attainable payoffs, arbitrage, completeness, the law of one price, first and second Fundamental Theorems of Asset Pricing, introduction to discrete-time stochastic calculus, conditional expectations, risk- neutral martingale measures, dynamic replication in the binomial model for European, American and exotic options, general multi-asset multi-period models. PREREQUISITE: Math 2610 and AMS 2410 and STAT 2910 Three lecture hours per week	AMS 4080 Financial Mathematics II This course explores foundational notions and models in financial mathematics. Topics include attainable payoffs, arbitrage, completeness, the law of one price, first and second Fundamental Theorems of Asset Pricing, introduction to discrete-time stochastic calculus, conditional expectations, risk- neutral martingale measures, dynamic replication in the binomial model for European, American and exotic options, general multi-asset multi-period models. PREREQUISITE: Math 2610, and AMS 2410 or AMS 3420, and STAT 2910 Three lecture hours per week

Rationale for Change: As a result of the recent updates to the professional actuarial science accreditation requirements including the removal of the Investment & Financial Markets (IFM) Actuarial Science professional exam from the Associateship examinations, the two courses AMS 2410 and AMS 3410 are being replaced by AMS 3420.

Effective Term: FALL 2022   **Implications for Other Programs:** None

Impact on Students Currently Enrolled: None.   The previous pre-requisite of AMS 2410 is being left on for students currently in the financial mathematics program.

Authorization   *Date:*

Departmental Approval: Shannon Fitzpatrick	January 28, 2022
Faculty/School Approval: Science Council	February 14, 2022
Faculty Dean's Approval: Nola Etkin	February 14, 2022
Grad. Studies Dean's Approval: N/A	N/A
Registrar's Office Approval: Darcy McCardle	March 10, 2022

CALENDAR AND CURRICULUM CHANGE   Motion #39

Revision is for a: **Calendar Entry Change**
Faculty/School/Department: **Science**
Department/Program(s)/Academic Regulations: **Mathematical and Computational Sciences**
MOTION: To have the changes to the requirements for a Major in Actuarial Science be approved as proposed.

Reproduction of Current Calendar Entry		Proposed revision with changes underlined and deletions indicated clearly	
REQUIREMENTS FOR A MAJOR IN ACTUARIAL SCIENCE The Major in Actuarial Science requires a total of 120 semester hours of credit, as described below:		**REQUIREMENTS FOR A MAJOR IN ACTUARIAL SCIENCE** The Major in Actuarial Science requires a total of 120 semester hours of credit, as described below:	
	Credits		Credits
The Common Core	23	The Common Core	23
MATH 2910 Multivariable and Vector Calculus	4	MATH 2910 Multivariable and Vector Calculus	4
STAT 2910 Probability and Mathematical Statistics I	3	STAT 2910 Probability and Mathematical Statistics I	3
STAT 3910 Probability and Mathematical Statistics II	3	STAT 3910 Probability and Mathematical Statistics II	3
STAT 3240 Applied Regression Analysis	3	STAT 3240 Applied Regression Analysis	3
MATH 3010 Differential Equations	3	MATH 3010 Differential Equations	3
At least one of … MCS 2040 Visual Basic in Excel Technology Lab **OR** MCS 3040 Introduction to GGY Axis Lab	1	At least one of … MCS 2040 Visual Basic in Excel Technology Lab **OR** MCS 3040 Introduction to GGY Axis Lab	1
MCS 2030 R Technology Lab	1	MCS 2030 R Technology Lab	1
AMS 2160 Financial Mathematics I	3	AMS 2160 Financial Mathematics I	3
AMS 2410 Financial Economics I	3	~~AMS 2410 Financial Economics I~~	~~3~~
AMS 3410 Financial Economics II	3	~~AMS 3410 Financial Economics II~~	~~3~~
AMS 2510 Long Term Actuarial Mathematics I	3	AMS 2510 Long Term Actuarial Mathematics I	3
AMS 3510 Long Term Actuarial Mathematics II	3	AMS 3140 Probability for Actuaries	3
AMS 3310 Advanced Corporate Finance	3	AMS 3420 Introduction to Financial Derivatives	3
AMS 4540 Loss Models I	3	AMS 3510 Long Term Actuarial Mathematics II	3
AMS 4550 Loss Models II	3	AMS 3310 Advanced Corporate Finance	3
AMS 4700 Short-term Insurance Pricing and Reserving	3	AMS 4540 Loss Models I	3
AMS 4580 Credibility Theory	3	AMS 4550 Loss Models II	3
STAT 4330 Time Series I	3	AMS 4700 Short-term Insurance Pricing and Reserving	3
At least one of … STAT 4410 – Stochastic Processes **OR** STAT 4280 – Generalized Linear Models	3	AMS 4580 Credibility Theory	3

CALENDAR AND CURRICULUM CHANGE   Motion #39

Reproduction of Current Calendar Entry			Proposed revision with changes underlined and deletions indicated clearly		
AMS 2030 Intermediate Microeconomics I	3		STAT 4330 Time Series I	3	
AMS 2040 Intermediate Macroeconomics I	3		~~At least one of …~~ ~~STAT 4410 – Stochastics Processes~~ ~~OR~~ STAT 4280 – Generalized Linear Models	3	
ACCT 1010 Introduction to Accounting	3		AMS 2030 Intermediate Microeconomics I	3	
BUS 2310 Corporate Finance	3		AMS 2040 Intermediate Macroeconomics I	3	
MCS 3050 Tutoring in Mathematical and Computational Sciences	1		ACCT 1010 Introduction to Accounting	3	
MCS 4210 Professional Communication and Practice	3		BUS 2310 Corporate Finance	3	
Additional general electives	27		MCS 3050 Tutoring in Mathematical and Computational Sciences	1	
Total Semester Hours of Credit	120		MCS 4210 Professional Communication and Practice	3	
			Additional general electives	27	
			Total Semester Hours of Credit	120	

Rationale for Change: As a result of the recent updates to the professional accreditation requirements including the removal of the Investment & Financial Markets (IFM) Actuarial Science professional exam from the Associateship examinations, the two courses AMS 2410 and AMS 3410 and their respective Labs are being replaced by a new and less extensive course AMS 3420 with a Lab. As well, as a result of the growth and development in the predictive analytics area and the growing demand from employers for those skills from our students including the addition of new professional accreditation requirements in that area, the course AMS 3140 is being added.

Effective Term: FALL 2022   **Implications for Other Programs:** None

Impact on Students Currently Enrolled: None. Students currently enrolled in Actuarial Science will be able to complete their degree requirements with AMS 3420 and an associated elective being offered as substitutions for AMS 2410 and 3410, respectively.

Authorization   *Date:*

Departmental Approval: Shannon Fitzpatrick	January 28, 2022
Faculty/School Approval: Science Council	February 14, 2022
Faculty Dean's Approval: Nola Etkin	February 14, 2022
Grad. Studies Dean's Approval: N/A	N/A
Registrar's Office Approval: Darcy McCardle	March 10, 2022

CALENDAR AND CURRICULUM CHANGE   Motion #40

Revision is for a: **Calendar Entry Change**
Faculty/School/Department: **Science**
Department/Program(s)/Academic Regulations: **Mathematical and Computational Sciences**
MOTION: To have the changes to the Requirements for a Major in Actuarial Science with Pre-Professional Specialization Stream be approved as proposed.

Reproduction of Current Calendar Entry	Proposed revision with changes underlined and deletions indicated clearly
REQUIREMENTS FOR A MAJOR IN ACTUARIAL SCIENCE WITH PRE-PROFESSIONAL SPECIALIZATION STREAM This specialization is designed for those students who plan to complete the full suite of exams required to apply for Associate status from the Canadian Institute of Actuaries or the Society of Actuaries. The specialization contains six additional courses compared with the major. Students enrolled in the specialization would receive all courses related to the exams needed to obtain the designation of Associate from the Canadian Institute of Actuaries (CIA), as well as the Society of Actuaries (SOA).	**REQUIREMENTS FOR A MAJOR IN ACTUARIAL SCIENCE WITH PRE-PROFESSIONAL SPECIALIZATION STREAM** This specialization is designed for those students who plan to complete ~~the full suite of~~ all the professional exams required to apply for ~~the~~ Associate status from the Canadian Institute of Actuaries or the Society of Actuaries or the Casualty Actuarial Society. The specialization contains ~~six additional~~ several additional courses compared with the major and ~~s~~Students enrolled in the specialization would receive ~~all~~most courses related to the exams needed to obtain the designation of Associate from the Canadian Institute of Actuaries (CIA), as well as the Society of Actuaries (SOA) or the Casualty Actuarial Society.

	Credits
The Common Core	23
MATH 2910 Multivariable and Vector Calculus	4
STAT 2910 Probability and Mathematical Statistics I	3
STAT 3910 Probability and Mathematical Statistics II	3
STAT 3240 Applied Regression Analysis	3
MATH 2620 Linear Algebra II	3
MATH 3010 Differential Equations	3
At least one of … MCS 2040 Visual Basic in Excel Technology Lab **OR** MCS 3040 Introduction to GGY Axis Lab	1
MCS 2030 R Technology Lab	1
AMS 2160 Financial Mathematics I	3
AMS 2410 Financial Economics I	3
AMS 3410 Financial Economics II	3
AMS 2510 Long Term Actuarial Mathematics I	3
AMS 3510 Long Term Actuarial Mathematics II	3
AMS 3310 Advanced Corporate	3

	Credits
The Common Core	23
MATH 2910 Multivariable and Vector Calculus	4
STAT 2910 Probability and Mathematical Statistics I	3
STAT 3910 Probability and Mathematical Statistics II	3
STAT 3240 Applied Regression Analysis	3
MATH 2620 Linear Algebra II	3
MATH 3010 Differential Equations	3
At least one of … MCS 2040 Visual Basic in Excel Technology Lab **OR** MCS 3040 Introduction to GGY Axis Lab	1
MCS 2030 R Technology Lab	1
AMS 2160 Financial Mathematics I	3
~~AMS 2410 Financial Economics I~~	~~3~~
~~AMS 3410 Financial Economics II~~	~~3~~
AMS 3420 Introduction to Financial Derivatives	3
AMS 2510 Long Term Actuarial	3

CALENDAR AND CURRICULUM CHANGE

Motion #40

Reproduction of Current Calendar Entry		Proposed revision with changes underlined and deletions indicated clearly	
Finance		Mathematics I	
AMS 4540 Loss Models I	3	AMS 3140 Probability for Actuaries	3
AMS 4550 Loss Models II	3		
STAT 3250 Statistical Learning and Modelling	3	AMS 4450 Statistics for Risk Modelling	3
AMS 4600 Predictive Analytics	3		
AMS 4610 Predictive Analytics for Actuaries	3	AMS 3510 Long Term Actuarial Mathematics II	3
AMS 4700 Short-term Insurance Pricing and Reserving	3	AMS 3310 Advanced Corporate Finance	3
AMS 4580 Credibility Theory	3	AMS 4540 Loss Models I	3
STAT 4330 Time Series I	3	AMS 4550 Loss Models II	3
STAT 4410 – Stochastic Processes	3	~~STAT 3250 Statistical Learning and Modelling~~	~~3~~
STAT 4280 – Generalized Linear Models	3	AMS 4600 Predictive Analytics	3
MCS 3920 – Numerical Analysis	3	AMS 4610 Predictive Analytics for Actuaries	3
AMS 2030 Intermediate Microeconomics I	3	AMS 4700 Short-term Insurance Pricing and Reserving	3
AMS 2040 Intermediate Macroeconomics I	3	AMS 4580 Credibility Theory	3
ACCT 1010 Introduction to Accounting	3	STAT 4330 Time Series I	3
BUS 2310 Corporate Finance	3	STAT 4410 – Stochastic Processes	3
MCS 3050 Tutoring in Mathematical and Computational Sciences	1	STAT 4280 – Generalized Linear Models	3
MCS 4210 Professional Communication and Practice	3	MCS 3920 – Numerical Analysis	3
Additional general electives	9	AMS 2030 Intermediate Microeconomics I	3
Total Semester Hours of Credit	120	AMS 2040 Intermediate Macroeconomics I	3
		ACCT 1010 Introduction to Accounting	3
		BUS 2310 Corporate Finance	3
		MCS 3050 Tutoring in Mathematical and Computational Sciences	1
		MCS 4210 Professional Communication and Practice	3
		Additional general electives	9
		Total Semester Hours of Credit	120

Rationale for Change: As a result of the recent updates to the professional accreditation requirements including the removal of the Investment & Financial Markets (IFM) Actuarial Science professional exam from the Associateship examinations, the two courses AMS 2410 and AMS 3410 and their respective Labs are being replaced by a new and less extensive course AMS 3420 with a Lab. As well, as a result of the growth and development in the predictive analytics area and the growing demand from employers for those skills from our

CALENDAR AND CURRICULUM CHANGE   Motion #40

students including the addition of new professional accreditation requirements in that area, the courses AMS 3140 and AMS 4450 are being added.

Effective Term: FALL 2022

Implications for Other Programs: None

Impact on Students Currently Enrolled: None. Students currently enrolled in Actuarial Science with Pre-professional specialization will be able to complete their degree requirements with AMS 3420 and an associated elective being offered as substitutions for AMS 2410 and 3410, respectively.

Authorization   *Date:*

Departmental Approval: Shannon Fitzpatrick	January 28, 2022
Faculty/School Approval: Science Council	February 14, 2022
Faculty Dean's Approval: Nola Etkin	February 14, 2022
Grad. Studies Dean's Approval: N/A	N/A
Registrar's Office Approval: Darcy McCardle	March 10, 2022

Form Version: September 2021

CALENDAR AND CURRICULUM CHANGE   Motion #41

Revision is for a: **Course Description Change**
Faculty/School/Department: **Science**
Department/Program(s)/Academic Regulations: **School of Mathematical and Computational Sciences**
MOTION: That the note referencing an Assessment Test be deleted from the Math 1910 description as indicated below.

Reproduction of Current Calendar Entry	Proposed revision with changes underlined and deletions indicated clearly
MATH 1910 SINGLE VARIABLE CALCULUS I This course is an introduction to differential and integral calculus of functions of a single variable. The course is intended primarily for majors in the Mathematical and Computational Sciences, Engineering and the Physical Sciences, as well as those planning to continue with further Mathematics courses. The concepts of limits, continuity and derivatives are introduced and explored numerically, graphically and analytically. The tools of differential calculus are applied to problems in: related rates; velocity and acceleration; extrema of functions; optimization; curve sketching; and indeterminate forms. The concepts of definite and indefinite integrals are introduced, and the relation between the two integrals is discovered via the Fundamental Theorem of Calculus. PREREQUISITE: Grade XII academic Mathematics Four lecture hours and one tutorial hour per week Semester hours of credit: 4 NOTE: Credit will not be given jointly for this course and Math 1120. NOTE: An Assessment Test will be administered during the first week of classes and students who do not pass the Assessment Test will be required to attend an additional Pre-Calculus Review tutorial if they wish to remain in the course.	MATH 1910 SINGLE VARIABLE CALCULUS I This course is an introduction to differential and integral calculus of functions of a single variable. The course is intended primarily for majors in the Mathematical and Computational Sciences, Engineering and the Physical Sciences, as well as those planning to continue with further Mathematics courses. The concepts of limits, continuity and derivatives are introduced and explored numerically, graphically and analytically. The tools of differential calculus are applied to problems in: related rates; velocity and acceleration; extrema of functions; optimization; curve sketching; and indeterminate forms. The concepts of definite and indefinite integrals are introduced, and the relation between the two integrals is discovered via the Fundamental Theorem of Calculus. PREREQUISITE: Grade XII academic Mathematics Four lecture hours and one tutorial hour per week Semester hours of credit: 4 NOTE: Credit will not be given jointly for this course and Math 1120. ~~NOTE: An Assessment Test will be administered during the first week of classes and students who do not pass the Assessment Test will be required to attend an additional Pre-Calculus Review tutorial if they wish to remain in the course~~.

Rationale for Change: The Assessment Test was initially introduced when failure rates in Science Calculus (previously Math 151, now Math 1910) were very high. Students who failed the test were removed from Math 151/Math 1910 and could enroll in a 0-credit Pre-Calculus course. Students who completed that Pre-Calculus course successfully could then register in Math 151/1910 in a subsequent semester. For various reasons, removing students from their Calculus course was discontinued, and students were instead required to complete an extensive Pre-Calculus review alongside their Calculus course. Most recently, that has been in the form of mandatory remedial tutorials (Math 1910 R). For those students, their final grade in Math 1910 was tied to the completion of Math 1910R.

We no longer see a direct correlation between the mandatory Pre-Calculus review and success in Math 1910. Furthermore, a self-guided online pre-calculus course can now be made available to all Math 1910 students

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through Moodle. We can also make this available to students who want to complete the Pre-Calculus course prior to taking Math 1910. Students requiring help with their Pre-Calculus review can receive assistance through our Math Help Centre. The Assessment Test will still be available to students for formative purposes.

Effective Term: FALL 2022

Implications for Other Programs: None

Impact on Students Currently Enrolled: None

Authorization   *Date:*

Departmental Approval: Shannon Fitzpatrick	January 28, 2022
Faculty/School Approval: Science Council	February 14, 2022
Faculty Dean's Approval: Nola Etkin	February 14, 2022
Grad. Studies Dean's Approval: N/A	N/A
Registrar's Office Approval: Darcy McCardle	March 10, 2022

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CALENDAR AND CURRICULUM CHANGE   Motion #42

Revision is for a: **Calendar Entry Change**
Faculty/School/Department: **Science**
Department/Program(s)/Academic Regulations: **School of Mathematical and Computational Sciences**
MOTION: That the entry describing Admission to Science Calculus be updated as described below.

Reproduction of Current Calendar Entry	Proposed revision with changes underlined and deletions indicated clearly
ADMISSION TO SCIENCE CALCULUS The First-year Calculus courses for most science students are Math 1910 and Math 1920. In addition to Grade XII academic Mathematics (or equivalent), a passing grade on an Assessment Test written during the first week of classes is required as a prerequisite for Math 1910. The Assessment Test covers the standard pre-calculus topics of the High School curriculum (arithmetic, algebra, trigonometry, analytic geometry and the basic theory of functions). This test is of 90 minutes duration and is given during the first week of classes. Students who do not pass the assessment test may have the option of enrolling in a special section of Math 1910 incorporating additional tutorials reviewing pre-Calculus materials. See the Associate Dean of the School of Mathematical and Computational Sciences for details.	ADMISSION TO SCIENCE CALCULUS The ~~F~~first-year Calculus courses for most science students programs are Math 1910 and Math 1920. ~~In addition to Grade XII academic Mathematics (or equivalent), a passing grade on an Assessment Test written during the first week of classes is required as a prerequisite for Math 1910. The Assessment Test covers the standard~~ The pre-requisite for Math 1910 is Grade XII Academic Mathematics. When fulfilling this pre-requisite, we highly recommend that students complete a Pre-Calculus course equivalent to PEI's Math 621B before enrolling in Math 1910. We expect students entering Math 1910 to have a firm grasp of pre-calculus topics ~~of the High School curriculum~~ (including arithmetic, algebra, trigonometry, analytic geometry and the basic theory of functions). ~~This test is of 90 minutes duration and is given during the first week of classes. Students who do not pass the assessment test may have the option of enrolling in a special section of Math 1910 incorporating additional tutorials reviewing pre-Calculus materials. See the Associate Dean of the School of Mathematical and Computational Sciences for details~~. Please visit the School of Mathematical and Computational Sciences website for more information.

Rationale for Change: The Assessment Test was initially introduced when failure rates in Science Calculus (previously Math 151, now Math 1910) were very high.   Students who failed the test were removed from Math 151/Math 1910 and could enroll in a 0-credit Pre-Calculus course.   Students who completed that Pre-Calculus course successfully could then register in Math 151/1910 in a subsequent semester.   For various reasons, removing students from their Calculus course was discontinued, and students were instead required to complete an extensive Pre-Calculus review alongside their Calculus course. Most recently, that has been in the form of mandatory remedial tutorials (Math 1910 R).   For those students, their final grade in Math 1910 was tied to the completion of Math 1910R.

We no longer see a direct correlation between the mandatory Pre-Calculus review and success in Math 1910. Furthermore, a self-guided online pre-calculus course can now be made available to all Math 1910 students through Moodle. We can also make this available to students who want to complete the Pre-Calculus course

CALENDAR AND CURRICULUM CHANGE   Motion #42

prior to taking Math 1910. Students requiring help with their Pre-Calculus review can receive assistance through our Math Help Centre. The Assessment Test will still be available to students for formative purposes.

Effective Term: FALL 2022

Implications for Other Programs: None

Impact on Students Currently Enrolled: None

Authorization   *Date:*

Departmental Approval: Shannon Fitzpatrick	January 28, 2022
Faculty/School Approval: Science Council	February 14, 2022
Faculty Dean's Approval: Nola Etkin	February 14, 2022
Grad. Studies Dean's Approval: N/A	N/A
Registrar's Office Approval: Darcy McCardle	March 10, 2022

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CALENDAR AND CURRICULUM CHANGE   Motion #43

Revision is for a: **Pre-requisite Addition/Change**
Faculty/School/Department: **Science**
Department/Program(s)/Academic Regulations: **SMCS**
MOTION: That the pre-requisite addition of CS 2910 for CS 3110 be approved as proposed.

Reproduction of Current Calendar Entry	Proposed revision with changes underlined and deletions indicated clearly
CS 3110 VIDEO GAME DESIGN This course focuses on the process from initial idea to final design of a video game. Students will craft a game document from an original concept of their own creation and create a prototype of the game based on that document. PREREQUISITE: CS 2920 Three lecture hours per week	CS 3110 VIDEO GAME DESIGN This course focuses on the process from initial idea to final design of a video game. Students will craft a game document from an original concept of their own creation and create a prototype of the game based on that document. PREREQUISITE: <u>CS 2910 and</u> CS 2920 Three lecture hours per week

Rationale for Change: This added pre-requisite is to address situations where students who do not have the required programming skills have been admitted to this course. At UPEI, CS 2920 follows three programming courses: CS 1910, 1920 and 2910. However, the course objectives of CS 2920 could be achieved by students who have different programming backgrounds (different programming languages, for example). As a result, there are students who have received transfer credit for CS 2920 without having the equivalent of CS 2910 in their background.

Effective Term: FALL 2022   **Implications for Other Programs:** None

Impact on Students Currently Enrolled: None

Authorization   *Date:*

Departmental Approval: Shannon Fitzpatrick	January 28, 2022
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Registrar's Office Approval: Darcy McCardle	March 10, 2022

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CALENDAR AND CURRICULUM CHANGE   Motion #44

Revision is for a: **Pre-requisite Addition/Change**
Faculty/School/Department: **Science**
Department/Program(s)/Academic Regulations: **SMCS**
MOTION: That the pre-requisite addition of CS 2910 for CS 3130 be approved as proposed.

Reproduction of Current Calendar Entry	Proposed revision with changes underlined and deletions indicated clearly
CS 3130 MOBILE DEVICE DEVELOPMENT – ANDROID This course introduces the student to programming for mobile devices that use the Android platform. The course will present a study of the architecture, operating system and programming language of these devices. PREREQUISITE: CS 2920 Three lecture hours per week	CS 3130 MOBILE DEVICE DEVELOPMENT – ANDROID This course introduces the student to programming for mobile devices that use the Android platform. The course will present a study of the architecture, operating system and programming language of these devices. PREREQUISITE: <u>CS 2910 and</u> CS 2920 Three lecture hours per week

Rationale for Change: This added pre-requisite is to address situations where students who do not have the required programming skills have been admitted to this course. At UPEI, CS 2920 follows three programming courses: CS 1910, 1920 and 2910. However, the course objectives of CS 2920 could be achieved by students who have different programming backgrounds (different programming languages, for example). As a result, there are students who have received transfer credit for CS 2920 without having the equivalent of CS 2910 in their background.

Effective Term: FALL 2022

Implications for Other Programs: None

Impact on Students Currently Enrolled: None

Authorization   *Date:*

Departmental Approval: Shannon Fitzpatrick	January 28, 2022
Faculty/School Approval: Science Council	February 14, 2022
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Grad. Studies Dean's Approval: N/A	N/A
Registrar's Office Approval: Darcy McCardle	March 10, 2022

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CALENDAR AND CURRICULUM CHANGE   Motion #45

Revision is for a: **Pre-requisite Addition/Change**
Faculty/School/Department: **Science**
Department/Program(s)/Academic Regulations: **SMCS**
MOTION: That the pre-requisite addition of CS 2910 for CS 3520 be approved as proposed.

Reproduction of Current Calendar Entry	Proposed revision with changes underlined and deletions indicated clearly
CS 3520 OPERATING SYSTEMS This course introduces the student to the major concepts of modern operating systems. Topics covered include: process management, memory management, file systems, device management and security. PREREQUISITE: CS 2520, CS 2620, CS 2920 and CS 2820 Three lecture hours per week	CS 3520 OPERATING SYSTEMS This course introduces the student to the major concepts of modern operating systems. Topics covered include: process management, memory management, file systems, device management and security. PREREQUISITE: CS 2520, CS 2620, CS 2820, <u>CS 2910</u> and CS 2920 Three lecture hours per week

Rationale for Change: This added pre-requisite is to address situations where students who do not have the required programming skills have been admitted to this course. At UPEI, CS 2920 follows three programming courses: CS 1910, 1920 and 2910. However, the course objectives of CS 2920 could be achieved by students who have different programming backgrounds (different programming languages, for example). As a result, there are students who have received transfer credit for CS 2920 without having the equivalent of CS 2910 in their background.

Effective Term: FALL 2022

Implications for Other Programs: None

Impact on Students Currently Enrolled: None

Authorization   *Date:*

Departmental Approval: Shannon Fitzpatrick	January 28, 2022
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Registrar's Office Approval: Darcy McCardle	March 10, 2022

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CALENDAR AND CURRICULUM CHANGE

Motion #46

Revision is for a: **Pre-requisite Addition/Change**
Faculty/School/Department: **Science**
Department/Program(s)/Academic Regulations: **SMCS**
MOTION: That the pre-requisite addition of CS 2910 for CS 3610 be approved as proposed.

Reproduction of Current Calendar Entry	Proposed revision with changes underlined and deletions indicated clearly
CS 3610 ANALYSIS AND DESIGN OF ALGORITHMS This course, which introduces the study of algorithm design and measures of efficiency, is a continuation of CS 2920 Topics include algorithm complexity and analysis; techniques such as divide and conquer, greedy and dynamic programming; searching and sorting algorithms; graph algorithms; text processing; efficient algorithms for several common computer science problems and NP-completeness. PREREQUISITE: CS 2920 and Math 2420 Three lecture hours per week	CS 3610 ANALYSIS AND DESIGN OF ALGORITHMS This course, which introduces the study of algorithm design and measures of efficiency, is a continuation of CS 2920 Topics include algorithm complexity and analysis; techniques such as divide and conquer, greedy and dynamic programming; searching and sorting algorithms; graph algorithms; text processing; efficient algorithms for several common computer science problems and NP-completeness. PREREQUISITE: <u>CS 2910</u>, CS 2920 and Math 2420 Three lecture hours per week

Rationale for Change: This added pre-requisite is to address situations where students who do not have the required programming skills have been admitted to this course. At UPEI, CS 2920 follows three programming courses: CS 1910, 1920 and 2910. However, the course objectives of CS 2920 could be achieved by students who have different programming backgrounds (different programming languages, for example). As a result, there are students who have received transfer credit for CS 2920 without having the equivalent of CS 2910 in their background.

Effective Term: FALL 2022

Implications for Other Programs: None

Impact on Students Currently Enrolled: None

Authorization   *Date:*

Departmental Approval: Shannon Fitzpatrick	January 28, 2022
Faculty/School Approval: Science Council	February 14, 2022
Faculty Dean's Approval: Nola Etkin	February 14, 2022
Grad. Studies Dean's Approval: N/A	N/A
Registrar's Office Approval: Darcy McCardle	March 10, 2022

CALENDAR AND CURRICULUM CHANGE

Motion #47

Revision is for a: **Pre-requisite Addition/Change**
Faculty/School/Department: **Science**
Department/Program(s)/Academic Regulations: **SMCS**
MOTION: That the pre-requisite addition of CS 2910 for CS 3620 be approved as proposed.

Reproduction of Current Calendar Entry	Proposed revision with changes underlined and deletions indicated clearly
CS 3620 SOFTWARE DESIGN This course examines the principles and best practices in object-oriented (OO) software design. Topics include a review of foundational OO concepts, OO design principles, and design patterns for good software design. PREREQUISITE: CS 2920 Three lecture hours per week	CS 3620 SOFTWARE DESIGN This course examines the principles and best practices in object-oriented (OO) software design. Topics include a review of foundational OO concepts, OO design principles, and design patterns for good software design. PREREQUISITE: <u>CS 2910 and</u> CS 2920 Three lecture hours per week

Rationale for Change: This added pre-requisite is to address situations where students who do not have the required programming skills have been admitted to this course. At UPEI, CS 2920 follows three programming courses: CS 1910, 1920 and 2910. However, the course objectives of CS 2920 could be achieved by students who have different programming backgrounds (different programming languages, for example). As a result, there are students who have received transfer credit for CS 2920 without having the equivalent of CS 2910 in their background.

Effective Term: FALL 2022

Implications for Other Programs: None

Impact on Students Currently Enrolled: None

Authorization   *Date:*

Departmental Approval: Shannon Fitzpatrick	January 28, 2022
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Faculty Dean's Approval: Nola Etkin	February 14, 2022
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Registrar's Office Approval: Darcy McCardle	March 10, 2022

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CALENDAR AND CURRICULUM CHANGE   Motion #48

Revision is for a: **Pre-requisite Addition/Change**
Faculty/School/Department: **Science**
Department/Program(s)/Academic Regulations: **SMCS**
MOTION: That the pre-requisite addition of CS 2910 for CS 3710 be approved as proposed.

Reproduction of Current Calendar Entry	Proposed revision with changes underlined and deletions indicated clearly
CS 3710 DATABASE SYSTEMS This course introduces the fundamental concepts necessary for the design, use and implementation of database systems. Topics discussed include logical and physical organization of data, database models, design theory, data definition and manipulation languages, constraints, views, and embedding database languages in general programming languages. PREREQUISITES: CS 2920 Three lecture hours per week	CS 3710 DATABASE SYSTEMS This course introduces the fundamental concepts necessary for the design, use and implementation of database systems. Topics discussed include logical and physical organization of data, database models, design theory, data definition and manipulation languages, constraints, views, and embedding database languages in general programming languages. PREREQUISITE: <u>CS 2910 and</u> CS 2920 Three lecture hours per week

Rationale for Change: This added pre-requisite is to address situations where students who do not have the required programming skills have been admitted to this course. At UPEI, CS 2920 follows three programming courses: CS 1910, 1920 and 2910. However, the course objectives of CS 2920 could be achieved by students who have different programming backgrounds (different programming languages, for example). As a result, there are students who have received transfer credit for CS 2920 without having the equivalent of CS 2910 in their background.

Effective Term: FALL 2022

Implications for Other Programs: None

Impact on Students Currently Enrolled: None

Authorization   *Date:*

Departmental Approval: Shannon Fitzpatrick	January 28, 2022
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Grad. Studies Dean's Approval: N/A	N/A
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CALENDAR AND CURRICULUM CHANGE   Motion #49

Revision is for a: **Pre-requisite Addition/Change**
Faculty/School/Department: **Science**
Department/Program(s)/Academic Regulations: **SMCS**
MOTION: That the pre-requisite addition of CS 2910 for CS 4110 be approved as proposed.

Reproduction of Current Calendar Entry	Proposed revision with changes underlined and deletions indicated clearly
CS 4110 ARTIFICIAL INTELLIGENCE AND AUTOMATED REASONING This course introduces general problem-solving methods associated with automated reasoning and simulated intelligence. Topics include problem abstraction, state space heuristic search theory, pathfinding, flocking behaviour, knowledge representation, propositional logic, reasoning with uncertainty, machine learning and connectionism. PREREQUISITE: CS 2920 Three lecture hours per week	CS 4110 ARTIFICIAL INTELLIGENCE AND AUTOMATED REASONING This course introduces general problem-solving methods associated with automated reasoning and simulated intelligence. Topics include problem abstraction, state space heuristic search theory, pathfinding, flocking behaviour, knowledge representation, propositional logic, reasoning with uncertainty, machine learning and connectionism. PREREQUISITE: <u>CS 2910 and</u> CS 2920 Three lecture hours per week

Rationale for Change: This added pre-requisite is to address situations where students who do not have the required programming skills have been admitted to this course. At UPEI, CS 2920 follows three programming courses: CS 1910, 1920 and 2910. However, the course objectives of CS 2920 could be achieved by students who have different programming backgrounds (different programming languages, for example). As a result, there are students who have received transfer credit for CS 2920 without having the equivalent of CS 2910 in their background.

Effective Term: FALL 2022

Implications for Other Programs: None

Impact on Students Currently Enrolled: None

Authorization   *Date:*

Departmental Approval: Shannon Fitzpatrick	January 28, 2022
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Faculty Dean's Approval: Nola Etkin	February 14, 2022
Grad. Studies Dean's Approval: N/A	N/A
Registrar's Office Approval: Darcy McCardle	March 10, 2022

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CALENDAR AND CURRICULUM CHANGE   Motion #50

Revision is for a: **Pre-requisite Addition/Change**
Faculty/School/Department: **Science**
Department/Program(s)/Academic Regulations: **SMCS**
MOTION: That the pre-requisite addition of CS 2910 for CS 4120 be approved as proposed.

Reproduction of Current Calendar Entry	Proposed revision with changes underlined and deletions indicated clearly
CS 4120 MACHINE LEARNING AND DATA MINING Machine learning is the study of mechanisms for acquiring knowledge from large data sets. This course examines techniques for detecting patterns in sets of uncategorized data. Supervised and unsupervised learning techniques are studied, with particular application to real-world data. PREREQUISITE: CS 2920 and Stat 1910 Three lecture hours per week	CS 4120 MACHINE LEARNING AND DATA MINING Machine learning is the study of mechanisms for acquiring knowledge from large data sets. This course examines techniques for detecting patterns in sets of uncategorized data. Supervised and unsupervised learning techniques are studied, with particular application to real-world data. PREREQUISITE: <u>CS 2910,</u> CS 2920 and STAT 1910 Three lecture hours per week

Rationale for Change: This added pre-requisite is to address situations where students who do not have the required programming skills have been admitted to this course. At UPEI, CS 2920 follows three programming courses: CS 1910, 1920 and 2910. However, the course objectives of CS 2920 could be achieved by students who have different programming backgrounds (different programming languages, for example). As a result, there are students who have received transfer credit for CS 2920 without having the equivalent of CS 2910 in their background.

Effective Term: FALL 2022

Implications for Other Programs: None

Impact on Students Currently Enrolled: None

Authorization   *Date:*

Departmental Approval: Shannon Fitzpatrick	January 28, 2022
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Grad. Studies Dean's Approval: N/A	N/A
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CALENDAR AND CURRICULUM CHANGE   Motion #51

Revision is for a: **Pre-requisite Addition/Change**
Faculty/School/Department: **Science**
Department/Program(s)/Academic Regulations: **SMCS**
MOTION: That the pre-requisite addition of CS 2910 for CS 4350 be approved as proposed.

Reproduction of Current Calendar Entry	Proposed revision with changes underlined and deletions indicated clearly
CS 4350 COMPUTER GRAPHICS PROGRAMMING This course introduces the student to the principles and tools of applied graphics programming including graphical systems, input and interaction, object modeling, transformations, hidden surface removal, and shading and lighting models. Languages, graphics libraries and toolkits, and video game engines are introduced, as well as relevant graphics standards. PREREQUISITE: CS 2620, MCS 2050 and MATH 2610 Three lecture hours per week	CS 4350 COMPUTER GRAPHICS PROGRAMMING This course introduces the student to the principles and tools of applied graphics programming including graphical systems, input and interaction, object modeling, transformations, hidden surface removal, and shading and lighting models. Languages, graphics libraries and toolkits, and video game engines are introduced, as well as relevant graphics standards. PREREQUISITE: CS 2620, CS 2910, MCS 2050 and MATH 2610 Three lecture hours per week

Rationale for Change: This added pre-requisite is to address situations where students who do not have the required programming skills have been admitted to this course. At UPEI, CS 2920 follows three programming courses: CS 1910, 1920 and 2910. However, the course objectives of CS 2920 could be achieved by students who have different programming backgrounds (different programming languages, for example). As a result, there are students who have received transfer credit for CS 2920 without having the equivalent of CS 2910 in their background.

Effective Term: FALL 2022

Implications for Other Programs: None

Impact on Students Currently Enrolled: None

Authorization   *Date:*

Departmental Approval: Shannon Fitzpatrick	January 28, 2022
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CALENDAR AND CURRICULUM CHANGE   Motion #52

Revision is for a: **Pre-requisite Addition/Change**
Faculty/School/Department: **Science**
Department/Program(s)/Academic Regulations: **SMCS**
MOTION: That the pre-requisite addition of CS 2910 for CS 4440 be approved as proposed.

Reproduction of Current Calendar Entry	Proposed revision with changes underlined and deletions indicated clearly
CS 4440 DATA SCIENCE Data science is an interdisciplinary and emerging field where techniques from several areas are used to solve problems using data. This course provides an overview and hands-on training in data science, where students will learn to combine tools and techniques from computer science, statistics, data visualization and the social sciences. The course will focus on: 1) the process of moving from data collection to product, 2) tools for preparing, manipulating and analyzing data sets (big and small), 3) statistical modelling and machine learning, and 4) real world challenges. PREREQUISITE: CS 2920 and STAT 1910 Three lecture hours per week	CS 4440 DATA SCIENCE Data science is an interdisciplinary and emerging field where techniques from several areas are used to solve problems using data. This course provides an overview and hands-on training in data science, where students will learn to combine tools and techniques from computer science, statistics, data visualization and the social sciences. The course will focus on: 1) the process of moving from data collection to product, 2) tools for preparing, manipulating and analyzing data sets (big and small), 3) statistical modelling and machine learning, and 4) real world challenges. PREREQUISITE: <u>CS 2910,</u> CS 2920 and STAT 1910 Three lecture hours per week

Rationale for Change: This added pre-requisite is to address situations where students who do not have the required programming skills have been admitted to this course. At UPEI, CS 2920 follows three programming courses: CS 1910, 1920 and 2910. However, the course objectives of CS 2920 could be achieved by students who have different programming backgrounds (different programming languages, for example). As a result, there are students who have received transfer credit for CS 2920 without having the equivalent of CS 2910 in their background.

Effective Term: FALL 2022

Implications for Other Programs: None

Impact on Students Currently Enrolled: None

Authorization   *Date:*

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CALENDAR AND CURRICULUM CHANGE

Motion #53

Revision is for a: **Pre-requisite Addition/Change**
Faculty/School/Department: **Science**
Department/Program(s)/Academic Regulations: **SMCS**
MOTION: That the pre-requisite addition of CS 2910 for CS 4610 be approved as proposed.

Reproduction of Current Calendar Entry	Proposed revision with changes underlined and deletions indicated clearly
CS 4610 WIRELESS SENSOR NETWORKS This course is an introduction to Wireless Sensor Networks. It includes the following topics: single-node architecture, wireless sensor network architecture, physical layer, MAC protocols, link-layer protocols, naming and addressing, time synchronization, localization and positioning, topology control, routing protocols, transport layer, and quality of service. PREREQUISITE: CS 2520 and CS 2920 Three lecture hours per week	CS 4610 WIRELESS SENSOR NETWORKS This course is an introduction to Wireless Sensor Networks. It includes the following topics: single-node architecture, wireless sensor network architecture, physical layer, MAC protocols, link-layer protocols, naming and addressing, time synchronization, localization and positioning, topology control, routing protocols, transport layer, and quality of service. PREREQUISITE: CS 2520, <u>CS 2910</u> and CS 2920 Three lecture hours per week

Rationale for Change: This added pre-requisite is to address situations where students who do not have the required programming skills have been admitted to this course. At UPEI, CS 2920 follows three programming courses: CS 1910, 1920 and 2910. However, the course objectives of CS 2920 could be achieved by students who have different programming backgrounds (different programming languages, for example). As a result, there are students who have received transfer credit for CS 2920 without having the equivalent of CS 2910 in their background.

Effective Term: FALL 2022

Implications for Other Programs: None

Impact on Students Currently Enrolled: None

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CALENDAR AND CURRICULUM CHANGE   Motion #54

Revision is for a: **Pre-requisite Addition/Change**
Faculty/School/Department: **Science**
Department/Program(s)/Academic Regulations: **SMCS**
MOTION: That the pre-requisite addition of CS 2910 for MCS 3320 be approved as proposed.

Reproduction of Current Calendar Entry	Proposed revision with changes underlined and deletions indicated clearly
MCS 3320 THEORY OF COMPUTING This course introduces automata theory, formal languages and computability. Topics include: finite automata; regular expressions; regular, context-free, and context-sensitive languages; computability models; algorithmic decidable and undecidable problems. PREREQUISITE: CS 2920 and Math 2420 Three lecture hours per week	MCS 3320 THEORY OF COMPUTING This course introduces automata theory, formal languages and computability. Topics include: finite automata; regular expressions; regular, context-free, and context-sensitive languages; computability models; algorithmic decidable and undecidable problems. PREREQUISITE: <u>CS 2910,</u> CS 2920 and Math 2420 Three lecture hours per week

Rationale for Change: This added pre-requisite is to address situations where students who do not have the required programming skills have been admitted to this course. At UPEI, CS 2920 follows three programming courses: CS 1910, 1920 and 2910. However, the course objectives of CS 2920 could be achieved by students who have different programming backgrounds (different programming languages, for example). As a result, there are students who have received transfer credit for CS 2920 without having the equivalent of CS 2910 in their background.

Effective Term: FALL 2022

Implications for Other Programs: None

Impact on Students Currently Enrolled: None

Authorization   *Date:*

Departmental Approval: Shannon Fitzpatrick	January 28, 2022
Faculty/School Approval: Science Council	February 14, 2022
Faculty Dean's Approval: Nola Etkin	February 14, 2022
Grad. Studies Dean's Approval: N/A	N/A
Registrar's Office Approval: Darcy McCardle	March 10, 2022

SUMMARY OF REGISTRAR'S OFFICE MOTION #'S 55-63

Undergraduate Academic Regulation #1 – Calendar Entry Change

ELP Requirements for Undergraduate Studies – Calendar and Curriculum Change

ELP Requirements for Graduate Studies - Calendar and Curriculum Change

Graduate Academic Regulation #16 – New Calendar Entry

Removal of Program Level References to Thesis Requirements
    Master of Education
    PhD in Educational Studies
    Master of Applied Health Services Research
    Master of Nursing
    Master of Science, Master of Veterinary Science, Master of Arts, and PhD

CALENDAR AND CURRICULUM CHANGE   Motion #55

Revision is for a: **Academic Regulation Change**
Faculty/School/Department: **Registrar's Office**
Department/Program(s)/Academic Regulations: **Academic Regulation #1**
MOTION: To update Academic Regulation #1 section h to include IKE-1040 as an undergraduate degree requirement as proposed.

Reproduction of Current Calendar Entry	Proposed revision with changes underlined and deletions indicated clearly

h) All students working toward an undergraduate degree or diploma will be required to take one of the following three courses, recommended to be taken within the first three semesters of registration, to fulfill graduation requirements:
 	
• UPEI 1010 – Writing Studies: Engaging Writing, Rhetoric, and Communication;
• UPEI 1020 – Inquiry Studies: Engaging Ideas and Cultural Contexts; or
• UPEI 1030 – University Studies: Engaging University Contexts and Experience;
• AND One Writing Intensive Course
 	
NOTE: Credit will only be granted for one of UPEI/ENG-1010, UPEI-1020 or UPEI-1030. In exceptional circumstances, permission to receive credit for more than one of these courses may be permitted by the Dean.
	h) All students working toward an undergraduate degree ~~or diploma~~ will be required to take ~~one of~~ the following ~~three~~ courses, recommended to be taken within the first three semesters of registration, to fulfill graduation requirements:
	
	• <u>IKE 1040 – Indigenous Teachings of Turtle Island,</u>
	• <u>ONE OF:</u>
	   o UPEI 1010 – Writing Studies: Engaging Writing, Rhetoric, and Communication;
	   o UPEI 1020 – Inquiry Studies: Engaging Ideas and Cultural Contexts; or
	   o UPEI 1030 – University Studies: Engaging University Contexts and Experience;
	• **AND** One Writing Intensive Course
	
	NOTE: Credit will only be granted for one of UPEI/ENG-1010, UPEI-1020 or UPEI-1030. In exceptional circumstances, permission to receive credit for more than one of these courses may be permitted by the Dean.

Rationale for Change: Need to include the new Indigenous course IKE-1040 to the requirements for a degree at UPEI.

Effective Term: FALL 2022   **Implications for Other Programs:** All undergraduate programs will need to be updated to reflect this new degree requirement.

Impact on Students Currently Enrolled: N/A

Authorization	*Date:*
Departmental Approval: N/A	N/A
Faculty/School Approval: N/A	N/A
Faculty Dean's Approval: N/A	N/A
Grad. Studies Dean's Approval: N/A	N/A
Registrar's Office Approval: Darcy McCardle	March 10, 2022

CALENDAR & CURRICULUM CHANGE   Motion #56

Revision is for a: **Academic Regulation Change**
Faculty/School/Department: **Registrar's Office**
Department/Program(s)/Academic Regulations: **English Language Proficiency Requirements (Undergraduate)**
MOTION: To update the ELP requirements for Undergraduate Studies section of the Calendar and to add additional acceptable assessments as proposed.

Reproduction of Current Calendar Entry	Proposed revision with changes underlined and deletions indicated clearly
English Language Proficiency Requirements The language of instruction at the University of Prince Edward Island is English. All academically admissible applicants, regardless of their country of origin or citizenship status, are required to demonstrate proficiency in the English language prior to undertaking studies at the University of Prince Edward Island. Proficiency may be demonstrated by:	**English Language Proficiency Requirements** The language of instruction at the University of Prince Edward Island is English. All academically admissible applicants, regardless of their country of origin or citizenship status, are required to demonstrate proficiency in the English language prior to undertaking studies at the University of Prince Edward Island. Proficiency may be demonstrated by:
Undergraduate programs Three years of full-time study in English in Canada or in another country where English is a principal language (as recognized by UPEI); evidence of bilingualism (English and another language) is acceptable for those applicants educated in Canada in a language other than English.	**Undergraduate programs** Three years of full-time study in English in Canada or in another country where English is a principal language (as recognized by UPEI); evidence of bilingualism (English and another language) is acceptable for those applicants educated in Canada in a language other than English.
Submission of an official test score at or above the acceptable minimum, such as:	Submission of an official test score at or above the acceptable minimum, such as:

Test	Arts, Science, Business and Baccalauréate en éducation, Français Langue Seconde)	Nursing, Radiography, Doctor of Veterinary Medicine & Education
IELTS (Academic)	Overall score of 6.5 with 6.5 in writing no other band below 6	Overall score of 7 with 7 in writing and speaking; 6.5 in reading and listening
TOEFL paper	550 with minimum	600 with minimum TWE of 6

Test	Arts, Science, Business, Engineering and Baccalauréate en éducation, Français Langue Seconde)	Nursing, Radiography, Doctor of Veterinary Medicine & Education
IELTS (Academic)	Overall score of 6.5 with 6.5 in writing no other band below 6	Overall score of 7 with 7 in writing and speaking; 6.5 in reading and listening
TOEFL paper-based test	550 with minimum TWE of 5.5	600 with minimum TWE of 6
TOEFL internet-based test	80 with minimum of 20 in each category	100 with a minimum of 25 in speaking and

CALENDAR & CURRICULUM CHANGE Motion #56

based test	TWE of 5.5	
TOEFL internet-based test	80 with minimum of 20 in each category	100 with a minimum of 25 in speaking and writing, 22 in reading and listening
MELAB	80	85
CanTEST	4.5	5
CAEL (including CAEL Online)	60	70
Pearson Test of English	58	66
Cambridge Advanced English	CAE A-C: 176-184 after Jan 1/15	CAE A: CPE A & B; 185-190 after Jan 1/15
GTEC CBT	1176-1250	1250 and above
English 621*	70%	N/A

Applicants without English proficiency test scores, or with scores below the minimum, may be admitted conditionally (NOT available to applicants seeking admission to Nursing, Radiography, Education or Doctor of Veterinary Medicine), and will be assessed by the EAP Coordinator upon arrival. Depending upon the assessment result, students may be placed in either full-time or part-time EAP. Part-time EAP is taken in combination with up to three credit courses. Upon successful completion of EAP, with an acceptable test score as noted above, these students will be eligible to begin academic studies without conditions related to English language proficiency.

*Prince Edward Island high school course English 621 or an analogous grade 12 academic English course from another Canadian Provincial curriculum.

Undergraduate English Academic Preparation (EAP)
The English Academic Preparation (EAP) program is

		writing, 22 in reading and listening
~~MELAB~~	~~80~~	~~85~~
TOEFL Essentials	8.5 (overall) no score below 8.0	Not Accepted
~~CanTEST~~	~~4.5~~	~~5~~
CAEL (including CAEL Online)	60	70
Pearson Test of English	58	66
~~Cambridge Advanced English~~	~~CAE A-C: 176-184 after Jan 1/15~~	~~CAE A: CPE A & B; 185-190 after Jan 1/15~~
Cambridge B2 First, C1 Advanced or C2 Proficiency	Overall score of 176 with 176 in writing and no other skill below 169	Overall score of 185 with 185 in writing and speaking; 176 in reading and listening
GTEC CBT	1176-1250	1250 and above
English 621*	70%	N/A

Applicants without English proficiency test scores, or with scores below the minimum, may be admitted conditionally (NOT available to applicants seeking admission to Nursing, Radiography, Education or Doctor of Veterinary Medicine), and will be assessed by the EAP Coordinator upon arrival. Depending upon the assessment result, students may be placed in either full-time or part-time EAP. Part-time EAP is taken in combination with up to three credit courses. Upon successful completion of EAP, with an acceptable test score as noted above, these students will be eligible to begin academic studies without conditions related to English language proficiency.

*Prince Edward Island high school course English 621 or an analogous grade 12 academic English course from another Canadian Provincial curriculum.

Undergraduate English Academic Preparation (EAP)

CALENDAR & CURRICULUM CHANGE   Motion #56

an intensive language program for UPEI students who must upgrade their English language proficiency skills as a requirement of their admission to the University. It is designed to enable students to gain academic skills and confidence in English, and successfully transition to university.	The English Academic Preparation (EAP) program is an intensive language program for UPEI students who must upgrade their English language proficiency skills as a requirement of their admission to the University. It is designed to enable students to gain academic skills and confidence in English, and successfully transition to university.
Successful completion of EAP is demonstrated through: 1) course work, and 2) the final EAP exam. EAP students must have a passing grade of 60% in their EAP courses and 4.5 or higher in all sections of the final EAP exam to graduate from the program. Students must successfully complete EAP before progressing into second year (see: <u>Academic Regulation 3</u>).	Successful completion of EAP is demonstrated through: 1) course work, and 2) the final EAP exam. EAP students must have a passing grade of 60% in their EAP courses and 4.5 or higher in all sections of the final EAP exam to graduate from the program. Students must successfully complete EAP before progressing into second year (see: Academic Regulation 3).
Progress If a part-time EAP student has not demonstrated improvement of at least one-half a band width, (e.g., from 3.5-4) after two consecutive semesters of study, this unsatisfactory progress will be reported to the Registrar's Office, and credit course status will be reduced.	**Progress** If a part-time EAP student has not demonstrated improvement of at least one-half a band width, (e.g., from 3.5-4) after two consecutive semesters of study, this unsatisfactory progress will be reported to the Registrar's Office, and credit course status will be reduced.
A full-time EAP student who does not show progress after 2 consecutive semesters of study will not be registered in EAP for the following semester, having failed to meet their condition of admission.	A full-time EAP student who does not show progress after 2 consecutive semesters of study will not be registered in EAP for the following semester, having failed to meet their condition of admission.
Definitions *Undergraduate Full-Time EAP:* English language program under which a student is not permitted to enrol in any credit courses. Students are engaged in language training only.	**Definitions** *Undergraduate Full-Time EAP:* English language program under which a student is not permitted to enrol in any credit courses. Students are engaged in language training only.
Undergraduate Part-Time EAP: English language program under which a student will be enrolled in a combination of EAP and credit courses, as determined by performance in the EAP placement exam (or official English Proficiency test score).	*Undergraduate Part-Time EAP:* English language program under which a student will be enrolled in a combination of EAP and credit courses, as determined by performance in the EAP placement exam (or official English Proficiency test score).
Student Appeals Students may appeal in writing according to the process outlined in <u>Academic Regulation 12</u>: Other Appeals.	**Student Appeals** Students may appeal in writing according to the process outlined in Academic Regulation 12: Other Appeals.

Rationale for Change: To remove unused/unavailable tests and to add/update other eligible tests.

Effective Term: FALL 2022   **Implications for Other Programs:** N/A

Impact on Students Currently Enrolled: N/A

CALENDAR & CURRICULUM CHANGE   Motion #56

Authorization	Date:
Departmental Approval: N/A	N/A
Faculty/School Approval: N/A	N/A
Faculty Dean's Approval: N/A	N/A
Grad. Studies Dean's Approval: N/A	N/A
Registrar's Office Approval: Darcy McCardle	March 10, 2022

CALENDAR & CURRICULUM CHANGE   Motion #57

Revision is for a: **Calendar Entry Change**
Faculty/School/Department: **Graduate Studies**
Department/Program(s)/Academic Regulations: **Graduate level English Language Proficiency requirements**
MOTION: To update the ELP requirements for Graduate Studies section of the Calendar and to add additional acceptable assessments as proposed.

Reproduction of Current Calendar Entry	Proposed revision with changes underlined and deletions indicated clearly
English Language Proficiency Requirements Admission requirements for All Graduate Programs and for Graduate Student Status: The language of instruction at the University of Prince Edward Island is English. All academically admissible applicants, regardless of their country of origin or citizenship status, are required to demonstrate proficiency in the English language prior to undertaking studies at the University of Prince Edward Island. Proficiency is demonstrated by: • possession of a degree or its academic equivalent from an institution recognized by the University of Prince Edward Island and where the language of instruction is English. Proof that the instruction for the degree was in English may be required and will be confirmed by the UPEI Registrar's Office; • or a satisfactory score on one of the following approved English language examinations.	**English Language Proficiency Requirements** Admission requirements for All Graduate Programs and for Graduate Student Status: The language of instruction at the University of Prince Edward Island is English. All academically admissible applicants, regardless of their country of origin or citizenship status, are required to demonstrate proficiency in the English language prior to undertaking studies at the University of Prince Edward Island. Proficiency is demonstrated by: • possession of a degree or its academic equivalent from an institution recognized by the University of Prince Edward Island and where the language of instruction is English. Proof that the instruction for the degree was in English may be required and will be confirmed by the UPEI Registrar's Office; • or a satisfactory score on one of the following approved English language examinations.

Current Calendar Entry table:

TEST	REGULAR OFFER (ALL PROGRAMS EXCEPT NURSING, EDUCATION)	REGULAR OFFER (NURSING, EDUCATION ONLY)	*CONDITIONAL OFFER
IELTS (Academic)	7 in writing and no band lower than 6.5	7 in writing and speaking; 6.5 in reading and listening	5
TOEFL Paper-based test	600 TWE 6	600 with minimum TWE 6	500 TWE-4

Proposed revision table:

TEST	REGULAR OFFER (ALL PROGRAMS EXCEPT ~~NURSING, EDUCATION~~ THOSE NOTED IN NEXT COLUMN)	REGULAR OFFER (NURSING, EDUCATION, DOCTOR OF PSYCHOLOGY, DOCTOR OF APPLIED HEALTH ~~ONLY~~)	*CONDITIONAL OFFER
IELTS (Academic)	7 in writing and no band lower than 6.5	7 in writing and speaking; 6.5 in reading and listening	~~5~~ 6

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TOEFL Internet-based test	100 with a minimum of 25 in speaking and writing; 22 in reading and listening	100 with no band lower than 25	61
MELAB	85 with 3+ in speaking	85 with 3+ in speaking	Speaking 60
CanTEST	5 in Writing with no other band lower than 4.5	5	4
CAEL (including CAEL Online)	70	70	50
PTE	66	66	50
CAE	185-190	185-190	140
GTECCBT	>1250	>1250	1100
CELBAN for Nursing only		Listening 7.5, Reading 6.5, Writing 7; Speaking 7	

Any exam should have been written within the last two years. If not written in the last two years, students should make arrangements to take the test at least three months before the semester opening date.
*Conditional: Students meeting this requirement must participate in the Graduate English Academic Preparation program and satisfy the minimum Unconditional English Language Proficiency requirements before being permitted to enrol in Graduate level courses or participate in Graduate program activity.

Graduate English Academic Preparation (GEAP)
The University of Prince Edward Island may extend a conditional offer of admission to a highly-qualified graduate applicant who does not quite meet the minimum English language proficiency requirement set by the graduate program to which the student has applied. A conditional admission allows a student to obtain a study permit (if necessary) and begin their studies in the UPEI Graduate English Academic

TOEFL Paper-based test	600 TWE 6	600 with minimum TWE 6	500 TWE-4
TOEFL Internet-based test	100 with a minimum of 25 in speaking and writing; 22 in reading and listening	100 with no band lower than 25	61
~~MELAB~~	~~85 with 3+ in speaking~~	~~85 with 3+ in speaking~~	~~Speaking 60~~
~~CanTEST~~	~~5 in Writing with no other band lower than 4.5~~	~~5~~	~~4~~
CAEL (including CAEL Online)	70	70	50
PTE	66	66	50
~~CAE~~ <u>Cambridge B2 First, C1 Advanced or C2 Proficiency</u>	~~185-190~~ <u>185 in writing and no skill lower than 176</u>	~~185-190~~ <u>185 in writing and speaking; 176 in reading and listening</u>	~~140~~ <u>154</u>
GTECCBT	>1250	>1250	1100
CELBAN for Nursing only		Listening 7.5, Reading 6.5, Writing 7; Speaking 7	

Any exam should have been written within the last two years. If not written in the last two years, students should make arrangements to take the test at least three months before the semester opening date.
*Conditional: Students meeting this requirement must participate in the Graduate English Academic Preparation program and satisfy the minimum Unconditional English Language Proficiency requirements before being permitted to enrol in Graduate level courses or participate in Graduate program activity.

Graduate English Academic Preparation (GEAP)
The University of Prince Edward Island may extend a

CALENDAR & CURRICULUM CHANGE   **Motion #57**

Preparation (GEAP) program. Upon successful completion of the prescribed terms of study in the Graduate EAP program, the student will proceed directly into the graduate degree program.

To be eligible for participation in the Graduate EAP program, an applicant:

- Must be recommended by the appropriate Graduate Admissions Committee.
- Can reasonably be expected to reach the required English proficiency standard for unconditional graduate admission in no more than one year (12 months).
- May not participate in Graduate level courses or participate in Graduate program activity until the minimum (unconditional) English Proficiency requirement has been satisfied through an acceptable assessment test.

The Graduate English Language Preparation program is designed for students coming to graduate studies whose first language is other than English. To be eligible for admission to GEAP, students must have an English proficiency, demonstrated by means of an accepted test, as outlined in the English Proficiency requirements for Graduate studies. The program begins with an in-depth skills and needs analysis to define an individualized education plan focusing on:

- Advanced Composition: North American convention and academic argumentation to develop clarity, forcefulness, and genre appropriateness
- Scientific Writing: quantitative reasoning and analytical writing, if applicable
- Writing abstracts, conference proposals, and literature review
- Conference presentation requirements and skills
- Academic ethics and responsibilities: case study, debate, problem-based learning, data gathering and reporting, seminar presentation
- Library familiarization: databases, resources, cultural and program norms
- Working with an Academic Mentor and with the Writing Centre
- Online Course Work–if required
- Computer skills updating–if required

Progress
Students in the GEAP program are expected to satisfy the minimum (unconditional) English Proficiency requirement, through an acceptable assessment test

conditional offer of admission to a highly-qualified graduate applicant who does not quite meet the minimum English language proficiency requirement set by the graduate program to which the student has applied. A conditional admission allows a student to obtain a study permit (if necessary) and begin their studies in the UPEI Graduate English Academic Preparation (GEAP) program. Upon successful completion of the prescribed terms of study in the Graduate EAP program, the student will proceed directly into the graduate degree program.

To be eligible for participation in the Graduate EAP program, an applicant:

- Must be recommended by the appropriate Graduate Admissions Committee.
- Can reasonably be expected to reach the required English proficiency standard for unconditional graduate admission in no more than one year (12 months).
- May not participate in Graduate level courses or participate in Graduate program activity until the minimum (unconditional) English Proficiency requirement has been satisfied through an acceptable assessment test.

The Graduate English Language Preparation program is designed for students coming to graduate studies whose first language is other than English. To be eligible for admission to GEAP, students must have an English proficiency, demonstrated by means of an accepted test, as outlined in the English Proficiency requirements for Graduate studies. The program begins with an in-depth skills and needs analysis to define an individualized education plan focusing on:

- Advanced Composition: North American convention and academic argumentation to develop clarity, forcefulness, and genre appropriateness
- Scientific Writing: quantitative reasoning and analytical writing, if applicable
- Writing abstracts, conference proposals, and literature review
- Conference presentation requirements and skills
- Academic ethics and responsibilities: case study, debate, problem-based learning, data gathering and reporting, seminar presentation
- Library familiarization: databases, resources, cultural and program norms
- Working with an Academic Mentor and with the Writing Centre
- Online Course Work–if required
- Computer skills updating–if required

CALENDAR & CURRICULUM CHANGE   Motion #57

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within one year (12 months) of the start of the program. Students who have not met the requirement within the stated time period, may make appeal to the Graduate Admissions Committee for an extension. Appeals will be considered on a case-by-case basis in consultation with appropriate support units.	**Progress** Students in the GEAP program are expected to satisfy the minimum (unconditional) English Proficiency requirement, through an acceptable assessment test within one year (12 months) of the start of the program. Students who have not met the requirement within the stated time period, may make appeal to the Graduate Admissions Committee for an extension. Appeals will be considered on a case-by-case basis in consultation with appropriate support units.

Rationale for Change: To identify recently added graduate programs to the regulation, to remove unused/unavailable tests and to add/update other eligible tests.

Effective Term: FALL 2022

Implications for Other Programs: N/A

Impact on Students Currently Enrolled: N/A

Authorization	*Date:*
Departmental Approval: N/A	N/A
Faculty/School Approval: N/A	N/A
Faculty Dean's Approval: N/A	N/A
Grad. Studies Dean's Approval: Rabin Bissessur	February 22, 2022
Registrar's Office Approval: Darcy McCardle	March 10, 2022

NEW CALENDAR ENTRY   **Motion #58**

Faculty/School: **Graduate Studies**

Department/Program(s): **Registrar's Office**

MOTION: To create a new Graduate Academic Regulation #16 The Thesis to guide the requirements for Thesis/Dissertation and Project Reports as proposed.

Proposed New Calendar Entry
16. THE THESIS **Submission of Thesis or Project Report** When the thesis or project report, in its final form, has been prepared after the final oral examination, the candidate will deliver the number of unbound copies, as determined by the Department/School/Faculty, to the Office of the Graduate Studies Coordinator no later than three weeks prior to Convocation. Each copy must be submitted in a separate folder with the pages numbered and arranged in the appropriate order. The thesis or project report must be free from typographical and other errors and must include a brief abstract. All print copies of the thesis must include the Certification of Thesis Work signed by the Examination Committee and a copy of the Thesis/Dissertation Non-Exclusive License signed by the student. All print copies of the project report must contain a signed copy of the Permission to Use Graduate Project Report. The student will also provide the Program Coordinator with an acceptably formatted PDF of the final copy of the thesis or project report. **When accepted by the Graduate Studies Coordinator for the home Faculty, one print copy** of the thesis or project report will be forwarded to the University Library for deposit. The accepted thesis or project report in PDF format will also be forwarded to the University Library for deposit in the University's online institutional repository. Generation and ownership of any other printed copies are the responsibility of the Department/School/Faculty. **Circulation & Copying of Thesis or Project Report** The author, in consultation with the Supervisor and **the home Faculty Dean**, shall have the right to request that circulation and/or copying and/or availability in the institutional repository of the thesis or project report in any form be withheld for up to one year. **For Thesis** In normal circumstances, as a condition of engaging in graduate study in the University, the author of a thesis grants a non-exclusive royalty-free licence in respect of the circulation and copying of the thesis through the Thesis/Dissertation Non-Exclusive License to the following institutions: 1. to the University permission to circulate the thesis as part of the Library collection and to add the thesis to the institutional repository; 2. to Library and Archives Canada a licence to harvest the thesis PDF from the University's institutional repository and add the thesis to Theses Canada under carefully specified conditions. **For Project Report** In normal circumstances, as a condition of engaging in graduate study in the University, the author of a project report grants a non-exclusive royalty-free licence in respect of the circulation and copying of the project report through the Permission to Use Graduate Project Report: 1. to the University - permission to circulate the project report as part of the Library collection and to add the project report to the institutional repository.

NEW CALENDAR ENTRY

Motion #58

Proposed New Calendar Entry
Copyright Copies of the thesis or project report shall have on the title page the words "In partial fulfilment of requirements for the degree of [name of degree]" The notice specified in the Universal Copyright Convention, which consists of three elements in the same line (a) the letter "C" enclosed in a circle, (b) the name of the copyright owner (the student), and (c) the year - should appear as a bottom line on the title page of the thesis or project report. The candidate, in consultation with the Supervisor and the Department Chair, may also elect to add a Creative Commons license statement, appearing directly below the Universal Copyright Convention notice just described. If a Creative Commons license is chosen, the University recommends the "Attribution Non- Commercial" option (CC-BY-NC).

Rationale for New Calendar Entry: To harmonize graduate regulations guiding the thesis/dissertation publication, copyright, and circulation.

Effective Term: FALL 2022

Implications for Other Programs: N/A

Impact on Students Currently Enrolled: N/A

Resources Required: N/A

Authorization	*Date:*
Departmental Approval: N/A	N/A
Faculty/School Approval: N/A	N/A
Faculty Dean's Approval: N/A	N/A
Graduate Studies Dean's Approval: Rabin Bissessur	February 22, 2022
Registrar's Office Approval: Darcy McCardle	March 10, 2022

CALENDAR AND CURRICULUM CHANGE   Motion #59

Revision is for a: **Calendar Entry Change**
Faculty/School/Department: **Graduate Studies**
Department/Program(s)/Academic Regulations: **PhD in Educational Studies Program**
MOTION: To remove program level reference to Thesis requirements and reference a single Graduate Regulation for Thesis as proposed.

Reproduction of Current Calendar Entry	Proposed revision with changes underlined and deletions indicated clearly
Program Requirements Students are enrolled in the UPEI PhD program in Educational Studies as a full-time student for three years. This program also requires a residency of three semesters, normally completed consecutively. If, after three years, students have not completed all degree requirements, they continue to pay a maintenance fee to UPEI until all requirements are completed. Students have a maximum of seven years to complete all degree requirements. The UPEI PhD in Educational Studies includes four courses, a comprehensive portfolio, and a dissertation. **Required courses:** ED 7000 – Advanced Quantitative Methodology and Methods in Education Research ED 7010 – Advanced Qualitative Methodology and Methods in Education Research ED 7020 – Directed Studies in Educational Research Methodology and Methods ED 7034 – Theory in Educational Research ED 7040 – Graduate Seminar in Educational Studies ED 7050 – Comprehensive Examination (ePortfolio and Oral Defence) ED 7060 – PhD Dissertation	**Program Requirements** Students are enrolled in the UPEI PhD program in Educational Studies as a full-time student for three years. This program also requires a residency of three semesters, normally completed consecutively. If, after three years, students have not completed all degree requirements, they continue to pay a maintenance fee to UPEI until all requirements are completed. Students have a maximum of seven years to complete all degree requirements. The UPEI PhD in Educational Studies includes four courses, a comprehensive portfolio, and a dissertation. **Required courses:** ED 7000 – Advanced Quantitative Methodology and Methods in Education Research ED 7010 – Advanced Qualitative Methodology and Methods in Education Research ED 7020 – Directed Studies in Educational Research Methodology and Methods ED 7034 – Theory in Educational Research ED 7040 – Graduate Seminar in Educational Studies ED 7050 – Comprehensive Examination (ePortfolio and Oral Defence) ED 7060 – PhD Dissertation
Submission of Dissertation When the dissertation, in its final form, has been prepared after the final oral examination, the student brings six unbound copies to the Co-ordinator of Graduate Studies at least four weeks prior to Convocation. Each copy must be submitted in a separate folder with the pages numbered and arranged in the appropriate order. The dissertation must be free from typographical	**Submission of Dissertation** When the dissertation, in its final form, has been prepared after the final oral examination, the student ~~brings six unbound~~ submits an electronic ~~copies~~y to the Co-ordinator of Graduate Studies at least ~~four~~ three weeks prior to Convocation. ~~Each copy must be submitted in a separate folder with the pages numbered and arranged in the appropriate order. The dissertation must be free from typographical~~

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Reproduction of Current Calendar Entry	Proposed revision with changes underlined and deletions indicated clearly
and other errors. All copies must include the Certificate of Approval signed by the Examination Committee and the members of the Supervisory Committee. Also included must be a brief Abstract and a copy of the circulation waiver and the copying licence. When accepted by the Coordinator of Graduate Studies, one copy is retained for microfilming and deposited to the University Library after being bound. A second copy is released to the Faculty of Education. A third copy is released to the student's supervisor and three copies are released to the student. **Publication** The University requires publication of the dissertation in the following manner: One unbound copy of the dissertation is forwarded to Library and Archives Canada, together with an agreement form signed by the candidate authorizing Library and Archives Canada to microfilm the dissertation and make microfilm copies available for sale on request. Library and Archives Canada film the dissertation exactly as it is and list the dissertation in Canadiana as a publication of Library and Archives Canada. A fee is charged by Library and Archives Canada to offset the cost of microfilming. A Library and Archives Canada Microfilm Agreement form is sent to the candidate prior to the PhD Dissertation, to be signed and submitted to the Coordinator of Graduate Studies immediately after the successful completion of the examination. The student, in consultation with the Supervisor and the Coordinator of Graduate Studies, shall have the right to request that circulation and/or copying of the dissertation in any form be withheld. **Circulation and Copying of Dissertation** In normal circumstances, as a condition of engaging in graduate study at the University, the author of a	~~and other errors. All copies must include the Certificate of Approval signed by the Examination Committee and the members of the Supervisory Committee. Also included must be a brief Abstract and a copy of the circulation waiver and the copying licence.~~ ~~When accepted by the Coordinator of Graduate Studies, one copy is retained for microfilming and deposited to the University Library after being bound. A second copy is released to the Faculty of Education. A third copy is released to the student's supervisor and three copies are released to the student.~~ ~~**Publication**~~ ~~The University requires publication of the dissertation in the following manner:~~ ~~One unbound copy of the dissertation is forwarded to Library and Archives Canada, together with an agreement form signed by the candidate authorizing Library and Archives Canada to microfilm the dissertation and make microfilm copies available for sale on request. Library and Archives Canada film the dissertation exactly as it is and list the dissertation in Canadiana as a publication of Library and Archives Canada.~~ ~~A fee is charged by Library and Archives Canada to offset the cost of microfilming.~~ ~~A Library and Archives Canada Microfilm Agreement form is sent to the candidate prior to the PhD Dissertation, to be signed and submitted to the Coordinator of Graduate Studies immediately after the successful completion of the examination.~~ ~~The student, in consultation with the Supervisor and the Coordinator of Graduate Studies, shall have the right to request that circulation and/or copying of the dissertation in any form be withheld.~~ ~~**Circulation and Copying of Dissertation**~~ ~~In normal circumstances, as a condition of engaging in graduate study at the University, the author of a~~

CALENDAR AND CURRICULUM CHANGE   Motion #59

Reproduction of Current Calendar Entry	Proposed revision with changes underlined and deletions indicated clearly
dissertation grants certain licences and waivers in respect to the circulation and copying of the dissertation: • to the University Librarian, a waiver permitting the circulation of the dissertation as part of the Library collection; • to the University, a licence to make single copies of the dissertation under carefully specified conditions; • to Library and Archives Canada, a licence to microfilm the dissertation under carefully specified conditions. **Copyright Provision** Copies of the dissertation shall have on the title page the words "In partial fulfilment of requirements for the degree of PhD in Educational Studies." The international copyright notice, which consists of three elements in the same line — the © symbol (the letter "C" enclosed in a circle), the name of the copyright owner (the student), and the year — should appear as a bottom line on the title page of the dissertation.	~~dissertation grants certain licences and waivers in respect to the circulation and copying of the dissertation:~~ • ~~to the University Librarian, a waiver permitting the circulation of the dissertation as part of the Library collection;~~ • ~~to the University, a licence to make single copies of the dissertation under carefully specified conditions;~~ • ~~to Library and Archives Canada, a licence to microfilm the dissertation under carefully specified conditions.~~ **~~Copyright Provision~~** ~~Copies of the dissertation shall have on the title page the words "In partial fulfilment of requirements for the degree of PhD in Educational Studies." The international copyright notice, which consists of three elements in the same line — the © symbol (the letter "C" enclosed in a circle), the name of the copyright owner (the student), and the year — should appear as a bottom line on the title page of the dissertation.~~

Rationale for Change: To harmonize graduate regulations guiding the thesis/dissertation publication, copyright, and circulation.

Effective Term: FALL 2022

Implications for Other Programs: N/A

Impact on Students Currently Enrolled: N/A

Authorization	*Date:*
Departmental Approval: N/A	N/A
Faculty/School Approval: N/A	N/A
Faculty Dean's Approval: N/A	N/A
Grad. Studies Dean's Approval: Rabin Bissessur	February 22, 2022
Registrar's Office Approval: Darcy McCardle	March 10, 2022

CALENDAR & CURRICULUM CHANGE   Motion #60

Revision is for a: **Calendar Entry Change**
Faculty/School/Department: **Graduate Studies**
Department/Program(s)/Academic Regulations: **Master of Education Program**
MOTION: To remove program level reference to Thesis requirements and reference a single Graduate Regulation for Thesis as proposed.

Reproduction of Current Calendar Entry	Proposed revision with changes underlined and deletions indicated clearly
B) THE THESIS Each candidate in the thesis-based option is required to submit a thesis based upon research conducted under supervision as described in this section of the calendar. The thesis must demonstrate the student's capacity for original and independent research and should extend the knowledge base in the field under study. General specifications as to paper, format, order, and binding are available from the Office of the Co-ordinator of Graduate Studies. The student should consult frequently with the Supervisor and the Supervisory Committee when preparing the thesis. After the final draft has been read and approved by the members of the Supervisory Committee, four copies must be submitted to the Co-ordinator of Graduate Studies for dissemination to members of the Examining Committee. These copies must be submitted no later than four weeks prior to the student's oral defence. **The Master's Examination** The final oral examination, which is devoted chiefly to the defence of the thesis, is a Faculty examination, identified as the Master's Examination. Normally, the Examining Committee consists of the two members of the Supervisory Committee, one other member of the Faculty of Education, and one reader, external to the University, who submits a written report attesting to the quality of the work. The Co-ordinator of Graduate Studies selects the Examining Committee at the request of the Supervisor, appoints the Chair, and is responsible for notifying the Dean of Education of its composition. Normally, the final oral examination is open to the public; however, members of the public may question the student only upon the invitation of the Chair of the	**B) THE THESIS** Each candidate in the thesis-based option is required to submit a thesis based upon research conducted under supervision as described in this section of the calendar. The thesis must demonstrate the student's capacity for original and independent research and should extend the knowledge base in the field under study. General specifications as to paper, format, order, and binding are available from the Office of the Co-ordinator of Graduate Studies. The student should consult frequently with the Supervisor and the Supervisory Committee when preparing the thesis. After the final draft has been read and approved by the members of the Supervisory Committee, ~~four copies~~ an electronic copy must be submitted to the Co-ordinator of Graduate Studies for dissemination to members of the Examining Committee. These copies must be submitted no later than four weeks prior to the student's oral defence. **The Master's Examination** The final oral examination, which is devoted chiefly to the defence of the thesis, is a Faculty examination, identified as the Master's Examination. Normally, the Examining Committee consists of the two members of the Supervisory Committee, one other member of the Faculty of Education, and one reader, external to the University, who submits a written report attesting to the quality of the work. The Co-ordinator of Graduate Studies selects the Examining Committee at the request of the Supervisor, appoints the Chair, and is responsible for notifying the Dean of Education of its composition. Normally, the final oral examination is open to the public; however, members of the public may question the student only upon the invitation of the Chair of the

CALENDAR & CURRICULUM CHANGE   Motion #60

Reproduction of Current Calendar Entry	Proposed revision with changes underlined and deletions indicated clearly
Examining Committee.

The examination is passed and the thesis approved if there is no more than one negative vote; an abstention is considered to be a negative vote. The Co-ordinator of Graduate Studies is responsible for reporting the result of the examination to the Dean of Education. The result is recorded as "Accepted as is," "Accepted after minor revision," "Accepted after substantial revision," or "Unacceptable." The result "Accepted after minor revision" normally entails editorial changes. If the result is "Accepted after substantial revision," the student may be given the opportunity by the Examining Committee to revise the thesis with or without defending again. If the thesis revision is successful, the thesis supervisor is to sign before the thesis is presented to the Graduate Studies Committee. Six copies, including one unbound copy, should be presented to the Graduate Studies Co-ordinator. If the result is "Unacceptable," the student may be given one opportunity by the Examining Committee to revise the thesis and to defend it again.

Submission of Thesis
When the thesis, in its final form, has been prepared after the final oral examination, the student will bring six unbound copies to the Co-ordinator of Graduate Studies at least three weeks prior to Convocation. Each copy must be submitted in a separate folder with the pages numbered and arranged in the appropriate order. The thesis must be free from typographical and other errors. All copies must include the Certificate of Approval signed by the Examination Committee and the members of the Supervisory Committee. Also included must be a brief Abstract and a copy of the circulation waiver and the copying licence.

When accepted by the Co-ordinator of Graduate Studies, one copy will be retained for microfilming and for deposit in the University Library after being bound. A second copy will be released to the Faculty of Education. A third copy will be released to the student's supervisor and three copies will be released to the student. | Examining Committee.

The examination is passed and the thesis approved if there is no more than one negative vote; an abstention is considered to be a negative vote. The Co-ordinator of Graduate Studies is responsible for reporting the result of the examination to the Dean of Education. The result is recorded as "Accepted as is," "Accepted after minor revision," "Accepted after substantial revision," or "Unacceptable." The result "Accepted after minor revision" normally entails editorial changes. If the result is "Accepted after substantial revision," the student may be given the opportunity by the Examining Committee to revise the thesis with or without defending again. If the thesis revision is successful, the thesis supervisor is to sign before the thesis is presented to the Graduate Studies Committee. ~~Six copies, including one unbound copy,~~ An electronic copy should be ~~presented~~ submitted to the Graduate Studies Co-ordinator. If the result is "Unacceptable," the student may be given one opportunity by the Examining Committee to revise the thesis and to defend it again.

Submission of Thesis
When the thesis, in its final form, has been prepared after the final oral examination, the student will ~~bring six unbound~~ submit an electronic ~~copies~~ y to the Co-ordinator of Graduate Studies at least three weeks prior to Convocation. ~~Each copy must be submitted in a separate folder with the pages numbered and arranged in the appropriate order. The thesis must be free from typographical and other errors. All copies must include the Certificate of Approval signed by the Examination Committee and the members of the Supervisory Committee. Also included must be a brief Abstract and a copy of the circulation waiver and the copying licence.~~

~~When accepted by the Co-ordinator of Graduate Studies, one copy will be retained for microfilming and for deposit in the University Library after being bound. A second copy will be released to the Faculty of Education. A third copy will be released to the student's supervisor and three copies will be released to the student.~~

~~**Publication**~~
~~The University requires publication of the thesis in the~~ |

CALENDAR & CURRICULUM CHANGE   Motion #60

Reproduction of Current Calendar Entry	Proposed revision with changes underlined and deletions indicated clearly
Publication The University requires publication of the thesis in the following manner: One unbound copy of the thesis is forwarded to Library and Archives Canada, together with an agreement form signed by the candidate authorizing Library and Archives Canada to microfilm the thesis and to make microfilm copies available for sale on request. Library and Archives Canada will film the thesis exactly as it is and will list the thesis in Canadiana as a publication of Library and Archives Canada. A fee is charged by Library and Archives Canada to offset the cost of microfilming. Library and Archives Canada's Microfilm Agreement form will be sent to the candidate prior to the Master's Examination, to be signed and submitted to the Co-ordinator of Graduate Studies immediately after the successful completion of the examination. The student, in consultation with the Supervisor and the Co-ordinator of Graduate Studies, shall have the right to request that circulation and/or copying of the thesis in any form be withheld for up to one year. Circulation and Copying of Thesis In normal circumstances, as a condition of engaging in graduate study at the University, the author of a thesis grants certain licences and waivers in respect of the circulation and of copying of the thesis: i. to the University Librarian, a waiver permitting the circulation of the thesis as part of the Library collection; ii. to the University, a licence to make single copies of the thesis under carefully specified conditions; and iii. to Library and Archives Canada, a licence to microfilm the thesis under carefully specified conditions. **Copyright Provision** Copies of the thesis shall have on the title page the words, "In partial fulfilment of requirements for the	~~following manner:~~ ~~One unbound copy of the thesis is forwarded to Library and Archives Canada, together with an agreement form signed by the candidate authorizing Library and Archives Canada to microfilm the thesis and to make microfilm copies available for sale on request. Library and Archives Canada will film the thesis exactly as it is and will list the thesis in Canadiana as a publication of Library and Archives Canada. A fee is charged by Library and Archives Canada to offset the cost of microfilming.~~ ~~Library and Archives Canada's Microfilm Agreement form will be sent to the candidate prior to the Master's Examination, to be signed and submitted to the Co-ordinator of Graduate Studies immediately after the successful completion of the examination.~~ ~~The student, in consultation with the Supervisor and the Co-ordinator of Graduate Studies, shall have the right to request that circulation and/or copying of the thesis in any form be withheld for up to one year.~~ ~~Circulation and Copying of Thesis In normal circumstances, as a condition of engaging in graduate study at the University, the author of a thesis grants certain licences and waivers in respect of the circulation and of copying of the thesis:~~ ~~i. to the University Librarian, a waiver permitting the circulation of the thesis as part of the Library collection;~~ ~~ii. to the University, a licence to make single copies of the thesis under carefully specified conditions; and~~ ~~iii. to Library and Archives Canada, a licence to microfilm the thesis under carefully specified conditions.~~ ~~**Copyright Provision**~~ ~~Copies of the thesis shall have on the title page the words, "In partial fulfilment of requirements for the degree of Master of Education." The international copyright notice, which consists of three elements in the same line – the letter "C" enclosed in a circle; the name of the copyright owner (the student); and the year should~~

CALENDAR & CURRICULUM CHANGE   Motion #60

Reproduction of Current Calendar Entry	Proposed revision with changes underlined and deletions indicated clearly
degree of Master of Education." The international copyright notice, which consists of three elements in the same line—the letter "C" enclosed in a circle; the name of the copyright owner (the student); and the year should appear as a bottom line on the title page of the thesis.	~~appear as a bottom line on the title page of the thesis.~~

Rationale for Change: To harmonize graduate regulations guiding the thesis/dissertation publication, copyright, and circulation.

Effective Term: FALL 2022

Implications for Other Programs: N/A

Impact on Students Currently Enrolled: N/A

Authorization	*Date:*
Departmental Approval: N/A	N/A
Faculty/School Approval: N/A	N/A
Faculty Dean's Approval: N/A	N/A
Grad. Studies Dean's Approval: Rabin Bissessur	February 22, 2022
Registrar's Office Approval: Darcy McCardle	March 10, 2022

CALENDAR & CURRICULUM CHANGE   Motion #61

Revision is for a: **Calendar Entry Change**
Faculty/School/Department: **Graduate Studies**
Department/Program(s)/Academic Regulations: **PhD in Educational Studies and Master of Education Program Regulations**
MOTION: To add reference to a single Graduate Regulation for Thesis as proposed.

Reproduction of Current Calendar Entry	Proposed revision with changes underlined and deletions indicated clearly
5. MASTER OF EDUCATION THESIS Normally, students complete the course work and research to fulfill the thesis requirement within two years. In order to complete the degree within a reasonable time frame, the research topic should be identified early in the student's program and approved by the student's supervisory committee. Research involving human subjects must be approved by the University's Research Ethics Committee **Unacceptable Thesis** If a candidate is unable to prepare an acceptable thesis, the Supervisory Committee will so report to the Coordinator of Graduate Studies and to the Dean (sending to the student a copy of the report). **6. THE PHd DISSERTATION** The dissertation will provide evidence of the candidate's ability to carry out independent and original research, develop the necessary theoretical and methodological framework and analyzes, and present the findings in a scholarly manner. The dissertation will be examined by arms-length internal and external examiners after the Supervisory Committee has agreed that the completed dissertation is ready for defence. The dissertation will be assessed using a pass-fail designation (Pass as is, Pass with minor revisions, Major Revisions, Fail). The final assessment will be based both on the written dissertation and the oral defence. **Retention/Maintenance of Records** In the interests of good scholarly practice and in order	**5. MASTER OF EDUCATION THESIS** Normally, students complete the course work and research to fulfill the thesis requirement within two years. In order to complete the degree within a reasonable time frame, the research topic should be identified early in the student's program and approved by the student's supervisory committee. Research involving human subjects must be approved by the University's Research Ethics Committee Thesis and Dissertation requirements are outlined in Graduate Regulation #16. **Unacceptable Thesis** If a candidate is unable to prepare an acceptable thesis, the Supervisory Committee will so report to the Coordinator of Graduate Studies and to the Dean (sending to the student a copy of the report). **6. THE PHd DISSERTATION** The dissertation will provide evidence of the candidate's ability to carry out independent and original research, develop the necessary theoretical and methodological framework and analyzes, and present the findings in a scholarly manner. The dissertation will be examined by arms-length internal and external examiners after the Supervisory Committee has agreed that the completed dissertation is ready for defence. The dissertation will be assessed using a pass-fail designation (Pass as is, Pass with minor revisions, Major Revisions, Fail). The final assessment will be based both on the written dissertation and the oral defence. Thesis and Dissertation requirements are outlined in

CALENDAR & CURRICULUM CHANGE

Motion #61

Reproduction of Current Calendar Entry	Proposed revision with changes underlined and deletions indicated clearly
to substantiate claims of intellectual property, graduate students should keep complete, dated records of their research. These records may be in the form of bound notebooks, log books, or other documentation, as appropriate to the discipline. Students should also retain copies of significant drafts and notes, and of all material submitted for evaluation, presentation, publication, or by the way of informal contribution to collaborative research projects. They must also realize that raw data and other research results should remain accessible at all times to all other members of any collaborative research activity.	Graduate Regulation #16. **Retention/Maintenance of Records** In the interests of good scholarly practice and in order to substantiate claims of intellectual property, graduate students should keep complete, dated records of their research. These records may be in the form of bound notebooks, log books, or other documentation, as appropriate to the discipline. Students should also retain copies of significant drafts and notes, and of all material submitted for evaluation, presentation, publication, or by the way of informal contribution to collaborative research projects. They must also realize that raw data and other research results should remain accessible at all times to all other members of any collaborative research activity.

Rationale for Change: To harmonize graduate regulations guiding the thesis/dissertation publication, copyright, and circulation.

Effective Term: FALL 2022

Implications for Other Programs: N/A

Impact on Students Currently Enrolled: N/A

Authorization	*Date:*
Departmental Approval: N/A	N/A
Faculty/School Approval: N/A	N/A
Faculty Dean's Approval: N/A	N/A
Grad. Studies Dean's Approval: Rabin Bissessur	February 22, 2022
Registrar's Office Approval: Darcy McCardle	March 10, 2022

CALENDAR & CURRICULUM CHANGE   Motion #62

Revision is for a: **Calendar Entry Change**
Faculty/School/Department: **Graduate Studies**
Department/Program(s)/Academic Regulations: **Master of Applied Health Services Research Program Regulations**
MOTION: To add reference to a single Graduate Regulation for Thesis as proposed.

Reproduction of Current Calendar Entry	Proposed revision with changes underlined and deletions indicated clearly
5. THE THESIS **Research** Normally, the equivalent of 12 months of continuous study must be devoted to research in fulfilment of the thesis requirement. In order to complete the degree within a reasonable time frame, the research topic should be identified early in the student's program and approved by the Graduate Studies Committee. Research involving human subjects must be approved by the University's Research Ethics Committee. **Retention/Maintenance of Records** In the interest of good scholarly practice and in order to substantiate claims of intellectual property, graduate students should keep complete, dated records of their research. These records may be in the form of bound notebooks, log books, or other documentation, as appropriate to the discipline. Students should also retain copies of significant drafts and notes, and of all material submitted for evaluation, presentation, publication, or by the way of informal contribution to collaborative research projects. They must also realize that raw data and other research results should remain accessible at all times to all other members of any collaborative research activity. **Unacceptable Thesis** If a candidate is unable to prepare an acceptable thesis, the Supervisory Committee will so report to the Graduate Studies Committee and to the Children's Health Applied Research Team (sending to the student a copy of the report).	**5. THE THESIS** Thesis requirements are outlined in Graduate Regulation #16 **Research** Normally, the equivalent of 12 months of continuous study must be devoted to research in fulfilment of the thesis requirement. In order to complete the degree within a reasonable time frame, the research topic should be identified early in the student's program and approved by the Graduate Studies Committee. Research involving human subjects must be approved by the University's Research Ethics Committee. **Retention/Maintenance of Records** In the interest of good scholarly practice and in order to substantiate claims of intellectual property, graduate students should keep complete, dated records of their research. These records may be in the form of bound notebooks, log books, or other documentation, as appropriate to the discipline. Students should also retain copies of significant drafts and notes, and of all material submitted for evaluation, presentation, publication, or by the way of informal contribution to collaborative research projects. They must also realize that raw data and other research results should remain accessible at all times to all other members of any collaborative research activity. **Unacceptable Thesis** If a candidate is unable to prepare an acceptable thesis, the Supervisory Committee will so report to the Graduate Studies Committee and to the Children's Health Applied Research Team (sending to the student a

CALENDAR & CURRICULUM CHANGE   Motion #62

Reproduction of Current Calendar Entry	Proposed revision with changes underlined and deletions indicated clearly
Transcripts of Records Official transcripts of the student's academic record are available through the Registrar's Office. Transcripts will be sent to other universities, to prospective employers, or to others outside the University only upon formal request by the student.	copy of the report). **Transcripts of Records** Official transcripts of the student's academic record are available through the Registrar's Office. Transcripts will be sent to other universities, to prospective employers, or to others outside the University only upon formal request by the student.

Rationale for Change: To harmonize graduate regulations guiding the thesis/dissertation publication, copyright, and circulation.

Effective Term: FALL 2022

Implications for Other Programs: N/A

Impact on Students Currently Enrolled: N/A

Authorization   *Date:*

Departmental Approval: N/A	N/A
Faculty/School Approval: N/A	N/A
Faculty Dean's Approval: N/A	N/A
Grad. Studies Dean's Approval: Rabin Bissessur	February 22, 2022
Registrar's Office Approval: Darcy McCardle	March 10, 2022

CALENDAR & CURRICULUM CHANGE   Motion #63

Revision is for a: **Calendar Entry Change**
Faculty/School/Department: **Graduate Studies**
Department/Program(s)/Academic Regulations: **Master of Nursing Program Regulations**
MOTION: To add reference to a single Graduate Regulation for Thesis as proposed.

Reproduction of Current Calendar Entry	Proposed revision with changes underlined and deletions indicated clearly
5. THE MASTER OF NURSING THESIS **Research** Normally, students complete the course work and research to fulfill the thesis requirement within two years. In order to complete the degree within a reasonable time frame, the research topic should be identified early in the student's program and approved by the student's supervisory committee. Research involving human subjects must be approved by the University's Research Ethics Committee. **Retention/Maintenance of Records** In the interests of good scholarly practice and in order to substantiate claims of intellectual property, graduate students should keep complete, dated records of their research. These records may be in the form of bound notebooks, log books, or other documentation, as appropriate to the discipline. Students should also retain copies of significant drafts and notes, and of all material submitted for evaluation, presentation, publication, or by the way of informal contribution to collaborative research projects. They must also realize that raw data and other research results should remain accessible at all times to all other members of any collaborative research activity. **Unacceptable Thesis** If a candidate is unable to prepare an acceptable thesis, the Supervisory Committee will so report to the Graduate Studies Committee and to the Dean.	**5. THE MASTER OF NURSING THESIS** Thesis requirements are outlined in Graduate Regulation #16 **Research** Normally, students complete the course work and research to fulfill the thesis requirement within two years. In order to complete the degree within a reasonable time frame, the research topic should be identified early in the student's program and approved by the student's supervisory committee. Research involving human subjects must be approved by the University's Research Ethics Committee. **Retention/Maintenance of Records** In the interests of good scholarly practice and in order to substantiate claims of intellectual property, graduate students should keep complete, dated records of their research. These records may be in the form of bound notebooks, log books, or other documentation, as appropriate to the discipline. Students should also retain copies of significant drafts and notes, and of all material submitted for evaluation, presentation, publication, or by the way of informal contribution to collaborative research projects. They must also realize that raw data and other research results should remain accessible at all times to all other members of any collaborative research activity. **Unacceptable Thesis** If a candidate is unable to prepare an acceptable thesis, the Supervisory Committee will so report to the Graduate Studies Committee and to the Dean.

Rationale for Change: N/A

Effective Term: FALL 2022

CALENDAR & CURRICULUM CHANGE   Motion #63

Implications for Other Programs: To harmonize graduate regulations guiding the thesis/dissertation publication, copyright, and circulation.

Impact on Students Currently Enrolled: N/A

Authorization	*Date:*
Departmental Approval: N/A	N/A
Faculty/School Approval: N/A	N/A
Faculty Dean's Approval: N/A	N/A
Grad. Studies Dean's Approval: Rabin Bissessur	February 22, 2022
Registrar's Office Approval: Darcy McCardle	March 10, 2022

CALENDAR & CURRICULUM CHANGE   Motion #64

Revision is for a: **Calendar Entry Change**
Faculty/School/Department: **Graduate Studies**
Department/Program(s)/Academic Regulations: **MSc, MVSc, MA, PhD Program Regulations**
MOTION: To remove program level reference to Thesis requirements and reference a single Graduate Regulation for Thesis as proposed.

Reproduction of Current Calendar Entry	Proposed revision with changes underlined and deletions indicated clearly
6. THE THESIS **Submission of Thesis or Project Report** When the thesis, or project report, in its final form, has been prepared after the final oral examination, the candidate will bring six unbound copies to the Office of the Program Administrator no later than three weeks prior to Convocation. Each copy must be submitted in a separate folder with the pages numbered and arranged in the appropriate order. The thesis must be free from typographical and other errors. All copies must include the Certificate of Approval signed by the Examination Committee. Also included must be a brief Abstract and a copy of the circulation waiver and the copying licence. When accepted by the Program Administrator, one copy will be retained for microfilming and for deposit in the University Library after being bound. A second copy will be released to the Department in which the student was registered. A third copy will be released to the student's supervisor and three copies will be released to the student. **Publication of Thesis** The University requires publication of the thesis in the following manner: One unbound copy of the thesis is forwarded to Library and Archives Canada, together with an agreement form signed by the candidate authorizing Library and Archives Canada to microfilm the thesis and to make microfilm copies available for sale on request. Library and Archives Canada will film the thesis exactly as it is and will list the thesis in Canadiana as a publication of Library and Archives Canada. A fee is charged by Library and Archives Canada to offset the cost of	**6. THE THESIS** Thesis, Dissertation and project report requirements are outlined in Graduate Regulation #16 ~~Submission of Thesis or Project Report~~ ~~When the thesis, or project report, in its final form, has been prepared after the final oral examination, the candidate will bring six unbound copies to the Office of the Program Administrator no later than three weeks prior to Convocation. Each copy must be submitted in a separate folder with the pages numbered and arranged in the appropriate order. The thesis must be free from typographical and other errors. All copies must include the Certificate of Approval signed by the Examination Committee. Also included must be a brief Abstract and a copy of the circulation waiver and the copying licence.~~ ~~When accepted by the Program Administrator, one copy will be retained for microfilming and for deposit in the University Library after being bound. A second copy will be released to the Department in which the student was registered. A third copy will be released to the student's supervisor and three copies will be released to the student.~~ ~~Publication of Thesis~~ ~~The University requires publication of the thesis in the following manner:~~ ~~One unbound copy of the thesis is forwarded to Library and Archives Canada, together with an agreement form signed by the candidate authorizing Library and Archives Canada to microfilm the thesis and to make microfilm copies available for sale on request. Library and Archives Canada will film the thesis exactly as it is~~

CALENDAR & CURRICULUM CHANGE   Motion #64

Reproduction of Current Calendar Entry	Proposed revision with changes underlined and deletions indicated clearly
microfilming. Library and Archives Canada's Microfilm Agreement form will be sent to the candidate prior to the Thesis Examination, to be signed and submitted to the Program Administrator immediately after the successful completion of the Examination. **Circulation & Copying of Thesis or Project Report** The candidate, in consultation with the Supervisor and the Department Chair, shall have the right to request that circulation and/or copying of the thesis or project report in any form be withheld for up to one year.In normal circumstances, as a condition of engaging in graduate study in the University, the author of a thesis or project report grants certain licences and waivers in respect of the circulation and copying of the thesis or project report: 1. to the University Librarian—a waiver permitting the circulation of the thesis or project report as part of the Library collection; 2. to the University—a licence to make single copies of the thesis or project report under carefully specified conditions; 3. to Library and Archives Canada—a licence to microfilm the thesis or project report under carefully specified conditions. **Copyright** Copies of the thesis or project report shall have on the title page the words "In partial fulfilment of requirements for the degree of Master of Science" or "In partial fulfilment of requirements for the degree of Master of Arts" or "In partial fulfilment of the requirements for the degree of Master of Veterinary Science" or "In partial fulfilment of the requirements for the degree of Doctor of Philosophy." The International copyright notice, which consists of three elements in the same line—(a) the letter "C" enclosed in a circle, (b) the name of the copyright owner (the student), and (c) the year—should appear as a bottom line on the title page of the thesis or project report.	~~and will list the thesis in Canadiana as a publication of Library and Archives Canada. A fee is charged by Library and Archives Canada to offset the cost of microfilming. Library and Archives Canada's Microfilm Agreement form will be sent to the candidate prior to the Thesis Examination, to be signed and submitted to the Program Administrator immediately after the successful completion of the Examination.~~ ~~**Circulation & Copying of Thesis or Project Report**~~ ~~The candidate, in consultation with the Supervisor and the Department Chair, shall have the right to request that circulation and/or copying of the thesis or project report in any form be withheld for up to one year.In normal circumstances, as a condition of engaging in graduate study in the University, the author of a thesis or project report grants certain licences and waivers in respect of the circulation and copying of the thesis or project report:~~ ~~1. to the University Librarian—a waiver permitting the circulation of the thesis or project report as part of the Library collection;~~ ~~2. to the University—a licence to make single copies of the thesis or project report under carefully specified conditions;~~ ~~3. to Library and Archives Canada—a licence to microfilm the thesis or project report under carefully specified conditions.~~ ~~**Copyright**~~ ~~Copies of the thesis or project report shall have on the title page the words "In partial fulfilment of requirements for the degree of Master of Science" or "In partial fulfilment of requirements for the degree of Master of Arts" or "In partial fulfilment of the requirements for the degree of Master of Veterinary Science" or "In partial fulfilment of the requirements for the degree of Doctor of Philosophy." The International copyright notice, which consists of three elements in the same line—(a) the letter "C" enclosed in a circle, (b) the name of the copyright owner (the student), and (c) the year—should appear as a bottom line on the title page of the thesis or project report.~~

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Retention/Maintenance of Records In the interests of good scholarly practice and in order to substantiate claims to intellectual property, graduate students should keep complete, dated records of their research. These records may be in the form of bound notebooks, log books, laboratory records, or other documentation, as appropriate to the discipline. Students should also retain copies of significant drafts and notes, and of all material submitted for evaluation, presentation, publication or by way of informal contribution to collaborative research projects. They must also realize that raw data and other research results should remain accessible at all times to all other members of any collaborative research activity. **Unacceptable Thesis or Project Report** If a candidate is unable to prepare an acceptable thesis or project report, the Supervisory Committee will so report to the graduate faculty of the Department (sending to the candidate a copy of the report). The Department Chair will notify the Program Administrator. **Transcripts of Records** Certified official transcripts of the student's academic record are available through the Registrar's Office. Only individually signed copies are official. Transcripts will be sent to other universities, to prospective employers, or to others outside the University only upon formal request by the student. **Department Regulations** Individual departments may have specified regulations additional to those set out herein. The student is responsible for consulting the department concerning any such regulations.	**Retention/Maintenance of Records** In the interests of good scholarly practice and in order to substantiate claims to intellectual property, graduate students should keep complete, dated records of their research. These records may be in the form of bound notebooks, log books, laboratory records, or other documentation, as appropriate to the discipline. Students should also retain copies of significant drafts and notes, and of all material submitted for evaluation, presentation, publication or by way of informal contribution to collaborative research projects. They must also realize that raw data and other research results should remain accessible at all times to all other members of any collaborative research activity. **Unacceptable Thesis or Project Report** If a candidate is unable to prepare an acceptable thesis or project report, the Supervisory Committee will so report to the graduate faculty of the Department (sending to the candidate a copy of the report). The Department Chair will notify the Program Administrator. **Transcripts of Records** Certified official transcripts of the student's academic record are available through the Registrar's Office. Only individually signed copies are official. Transcripts will be sent to other universities, to prospective employers, or to others outside the University only upon formal request by the student. **Department Regulations** Individual departments may have specified regulations additional to those set out herein. The student is responsible for consulting the department concerning any such regulations.

Rationale for Change: To harmonize graduate regulations guiding the thesis/dissertation publication, copyright, and circulation.

Effective Term: FALL 2022

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Implications for Other Programs: N/A

Impact on Students Currently Enrolled: N/A

Authorization	*Date:*
Departmental Approval: N/A	N/A
Faculty/School Approval: N/A	N/A
Faculty Dean's Approval: N/A	N/A
Grad. Studies Dean's Approval: Rabin Bissessur	February 22, 2022
Registrar's Office Approval: Darcy McCardle	March 10, 2022