Minutes of the Fourth Meeting of Senate
Friday, February 3, 2023
3:00 – 5:00 pm
Alumni Hall and via Zoom

Present: G. Keefe (Chair), K. Mears (Vice-Chair), D. Sutton (Secretary to Senate) P. Bernard, R. Bissessur A. Braithwaite, L. Brinklow, M. Buote, O. Brown, A. Campbell, D. Coll, E. Côté, R. Dennis, A. Doyle, N. Etkin, G. Evans, R. Gauthier, H. Hill, I. Igbineweka, B. Linkletter, A. MacKenzie, A. MacLaren, D. MacLellan, T. Mady, W. Montelpare, D. Moses, C. Murray, S. Nandlal, G. F. Naterer, T. Ngo, W. Peters, J. Podger, R. Raiswell, T. Saunders, J. Sentance, B. Stoughton, J. VanLeeuwen, B. Waterman, A. Zinck

Regrets: M. Arfken, T. Carroll, C. Ryan, M. Sweeney-Nixon

Recorder: S. O'Connor

President Keefe called the meeting to order at 3:00 pm and provided a land acknowledgement. He welcomed new Senators to Senate: Marva-Sweeney Nixon (recently appointed as Associate Vice-President Research and Dean of Graduate Studies), Amy Hsiao and Travis Saunders. He also welcomed Senate guest, Patti Wheatley, UPEI's Chief Access to Information & Privacy Officer and Equity, Diversity & Inclusion Officer.

1. **Approval of the Agenda**
   MOTION: (B. Waterman/A. Hsiao) to approve the agenda as presented. CARRIED

2. **Visitors' Presentations**
   a. **Equity, Diversity and Inclusion Principles within** Senate Processes
   Senate guest, Patti Wheatley, spoke to Senators regarding equity, diversity and inclusion and Senate election processes. She acknowledged that Senate does not ask individuals to self-identify, and it is inappropriate to assume someone's identity based on what we see visibly. Since identity information is often unknown, it will often not be possible to take that information into consideration.

   She encouraged Senators to consider equity, diversity, and inclusion more broadly, including aspects that go beyond identities. One important factor will be relying on people who have skills at building inclusive environments or identifying systemic problems. Senators could consider the efficacy of ensuring EDI champions who are able to advocate for equity, diversity and inclusion are serving on committees. They do not have to be experts in the field, nor do they require a high level of educational training in EDI, they simply would offer an EDI lens when necessary. Such a strategy would help meet the goal of incorporating EDI within committee deliberations and decisions.

3. **Approval of Minutes**
   MOTION: (T. Mady/A. MacKenzie) to approve the minutes of November 25, 2022 as presented. CARRIED.
   K. Mears noted that the minutes do not capture a question she had asked after the Dean Searches report. She asked for the following to be included: "Senator Mears inquired about 32.2

of the PEI University Act (Terms of Office: The terms and conditions of office of deans shall be those conferred on them by the Board on the recommendation of the Senate) and if that meant that Senate should review Dean contracts. President Keefe clarified that, under the University act, it is the responsibility of the Board to appoint members of the academic and administrative staff of the University, including deans, and to determine terms and conditions of employment for those persons. Appointments are made on the recommendation of the President in accordance with procedures approved by the Senate. This would include duly appointed search committees under the purview of Senate.

4. President's Report and Question Period

Senate Elections

There will be an information session prior to February 20th for new potential Senators. There will be seven seats opening and two temporary replacements. Nominations will take place by February 28th, 2023.

Student Enrollments

Numbers are not official until March 1st, however enrollment is up by approximately 3 per cent over this time last year. This is while some institutions are seeing declining enrollments. There is an increase in full-time enrollments and a decline in part-time enrollments. Domestic enrollments are proportionate to last year. International enrollments are what have driven the numbers up.

Faculty of Medicine

The Faculty of Medicine's Strategic Health Integration Committee recently met with the Medical Society, Health PEI, and representatives from the Province and Memorial University regarding the capacity of PEI's health system to integrate medical learners. A request for proposals, which closes on February 17th, is calling for a detailed summary and analysis of medical education currently provided in PEI; an inventory analysis of physician resources and health system infrastructure; funding projections; and an assessment of the commitments and investments required to transition Health PEI to an academic health authority.

As well, a survey will be going out to faculty members here at UPEI to see who would like to be engaged and teaching and continuing education in the Faculty of Medicine.

We are working in three pillar areas; infrastructure, accreditation, and integration into the PEI health system. We are working on infrastructure on and off campus. On campus, we have broken ground on construction of the new building and expect to see more progress in the spring.

There will be two key searches, one for an Inaugural Dean of Medicine and also for an Associate Dean, UPEI campus. We have excellent candidates for each search. We thank Dr. Naterer for his search committee leadership.

Board of Governors Policy

The policy for the Appointment and Review of Deans and Associate Deans has been updated and is available on the UPEI policies webpage. Approved Oct 24th by the Board of Governors, it replaces a similar policy by providing considerable clarity. Key components are:

- providing definitions of an Acting Dean, Interim Dean, Associate Dean, etc.
- clear policy on review process for deans;
- process for the selection of Interim Deans, which includes more opportunity for Faculty Members to be consulted when an Interim Dean is named;
- more consistency among faculties in terms of processes and committee members;

- Senate review and approval of search committee members.

Canada Games
The Premier and several cabinet ministers recently toured the new residence building. It is essentially ready for Canada Games. The Winter Games will be larger than initially planned. There has been media coverage that students were offered compensation to vacate their rooms due to this higher number of participants—this is funded by Canada Games, not UPEI. There will be some upheaval on campus due to interruptions but the exposure of young people to the UPEI campus will be beneficial, especially considering the new residence and the upgrades to the Chi-Wan Young Sports Centre.

Multifactor Authentication
Multifactor Authentication has been introduced for students, which ITSS has reported went relatively smoothly.

UPEI Athletics
The men's basketball team is in third place, two points behind Dalhousie, and played an incredible game last Friday. The women's basketball team is in fourth place and has clinched a playoff spot already. Our women's hockey team has also clinched a playoff spot and are in third place. The men's hockey team has recently fallen out of second into third place. President Keefe was honored to recently present TJ Shea and Matt Brassard with a token, as they were members of the gold medal World University Games team at Lake Placid.

Annual Program Reports
The EDI Strategy put forward by UPEI calls on programs to submit progress reports, which have gone to the Steering Committee for review. That report will come to Senate and to the Board of Governors as part of the process moving forward.

K. Mears asked for clarification on the appointment of deans and associate deans.

President Keefe indicated that the policy was reviewed and is in line with the University Act. The way in which Senate participates is through the approval of members on the search committees.

G. Naterer added that during the process of the search for Deans there is an invitation that goes out to the entire campus community, including Senators, to attend public presentations by candidates and review CVs. After the presentations, Senators can provide feedback to the search committee. This feedback is considered by the committee in its deliberations.

A. Braithwaite asked for clarification on whether or not Senators are expected to continue to serve while on sabbatical. It was pointed out that T. Ngo is currently on sabbatical and also attending Senate. It was agreed that he would stay in the meeting as a faculty member and that the Senate Steering and Nominating Committee would find a replacement for him later this month.

G. Naterer provided an update on notable recent successes from the campus community.

Two teams of doctor of veterinary medicine (DVM) students, and one graduate student from AVC, brought home awards at the recent American Veterinary Medical Association's (AVMA) Animal Welfare Assessment Contest in Raleigh, North Carolina. The DVM student teams placed second and third in the veterinary student division. Hannah Spitzer, master of science student,

received two awards during the contest, placing first in the individual live scenario and ranked fourth overall in the graduate student division.

Varesh Kumar Beeharry, a fourth-year actuarial sciences student at UPEI, won a prestigious scholarship, the Academic Achievement Award valued at $3,000, from the Canadian Institute of Actuaries (CIA) and the Actuarial Students' National Association (ASNA).

Seven UPEI Faculty of Sustainable Design Engineering (FSDE) teams competed at the 2023 Atlantic Engineering Competition (AEC) in Halifax, and represented their faculty very well. The competition was hosted at Dalhousie University through the Atlantic Council of Engineering Students from January 20–22, 2023. Students won first place in both senior design and innovative design categories. Several students also placed third in the re-engineering category. Additionally, UPEI had strong showings in junior design and communications.

Dr. Amy Hsiao, Associate Professor in the Faculty of Sustainable Design Engineering, received the 2022 Engineering Award for Excellence from Engineers PEI at their annual general meeting in January 2023. Dr. Hsiao was recognized for her ProGRES (Promoting Girls in Research on Engineering and Sustainability) initiative, a summer program that promotes interest in engineering research to girls in high school.

Dr. Jerry Wang, director of recruitment and advisement and the International Student Office, received an award from the Canadian Bureau of International Education (CBIE) for his service to the organization. Dr. Wang served on the CBIE board of governors from January 1, 2018, to December 31, 2022, specifically the membership relations committee. He was an engaged board member who provided excellent leadership and valuable advice.

UPEI faculty members who have recently authored or edited books: Dr. Shannon Murray (Faculty of Arts), co-author of Shakespeare's Guide to Hope, Life, and Learning; and Dr. Christina Murray (Faculty of Nursing), co-editor of Families, Mobility, and Work, which highlights new research and insights on the intersection of family life, employment, and mobility in Canada.

Dr. Marva Sweeney-Nixon, associate vice president research and dean of graduate studies, and alumnae Amirah Oyesegun (BSc '22), Equity, Diversity, and Inclusion in Employment Systems Advisor in the UPEI Equity, Diversity, and Inclusion office, have been named as 2023 Black Changemakers. The "Black Changemakers" is a CBC editorial series that recognizes "individuals in Atlantic Canada who are creating positive change, inspiring others, and helping shape our future." Other PEI recipients were Ikechukwu Daniel Ohaegbu, a graduate of the UPEI Class of 2019; Chanel Briggs, who moved to PEI from the Bahamas in 2018 to study psychology at UPEI; and Debbie Langston, writer and diversity consultant for the PEI Department of Education and Lifelong Learning.

5. <u>Senate Reports</u>

a. Academic Planning and Curriculum Committee

i. Fourth Curriculum Report

<u>Faculty of Sustainable Design Engineering</u>

OMNIBUS MOTION (G. Naterer/W. Peters) that motions 1-8 be approved as noted below: CARRIED

1) **That the prerequisites for ENGN 1310 (Computer Programming with Engineering Applications) be revised to add MATH 1920 as a corequisite.**
(See details in the attached Curriculum Report—Page 3)

2) **That the prerequisites for ENGN 2210 (Engineering Projects I) be revised to add ENGN 1410, 1340, 1250, and 1310 as additional prerequisites.**
(See details in the attached Curriculum Report—Page 4)

3) **That the prerequisites for ENGN 2360 (Materials, Mechanics, and Manufacturing) be revised to add ENGN-1250 as a prerequisite.**
(See details in the attached Curriculum Report—Page 5)

4) **That the prerequisites for ENGN 3220 (Engineering Measurements) be revised to add ENGN-2130 as a prerequisite.**
(See details in the attached Curriculum Report—Page 6)

5) **That the prerequisite for ENGN 3270 (Machines and Automatic Control) be revised to remove ENGN 2810 as a prerequisite.**
(See details in the attached Curriculum Report—Page 7)

6) **That the prerequisites for ENGN 3710 (Project-Based Professional Practice I) be revised to remove ENGN-1340 as a prerequisite, and add 2130 as a prerequisite.**
(See details in the attached Curriculum Report—Page 8)

7) **That the prerequisites for ENGN 4850 (Computational Methods for Engineering Design) be revised to add ENGN-3720 as a prerequisite.**
(See details in the attached Curriculum Report—Page 9-10)

8) **That the Academic Calendar entry for the Bachelor of Science in Sustainable Design Engineering be approved as proposed.**
(See details in the attached Curriculum Report—Page 11-19)

Faculty of IKERAS

9) **MOTION: (G. Naterer/G. Evans) To change the course description and course title for IKE 2060, Indigenous Food Across Turtle Island as proposed. CARRIED**
(See details in the attached Curriculum Report—Page 21)

Faculty of Science

OMNIBUS MOTION (G. Naterer/N. Etkins) that motions 10-24 be approved as noted below: CARRIED

10) **To remove the calendar entries related to Family Science and the Bachelor of Child and Family Studies Programs as proposed.**
(See details in the attached Curriculum Report—Page 23-36)
N. Etkin elaborated on this motion, stating that student entry to Family Science was suspended approximately seven years ago. The two final students are slated to graduate this year.

11) **To add IKE-1040 Indigenous Teachings of Turtle Island to the course requirements for the Foods and Nutrition Program, Foods and Nutrition Honours and Dietetic Internship and amend the course sequences as proposed.**
(See details in the attached Curriculum Report—Page 37-43)

12) **To have the change in course description and prerequisite for FN 2230 Determinants of Dietary Behaviour be approved as proposed.**
(See details in the attached Curriculum Report—Page 44)

13) **To have the course description, cross-listing and prerequisite for FN 2610 Communications be revised as proposed.**
(See details in the attached Curriculum Report—Page 45)

14) **To revise the prerequisite for FN 3020 Advanced Foods as proposed.**
(See details in the attached Curriculum Report—Page 46)

15) **To revise the course description and add a laboratory section for FN 3510 Nutritional Assessment as proposed.**
(See details in the attached Curriculum Report—Page 47)

16) **To have the change in the course description for FN 3520 Clinical Nutrition I be approved as proposed.**
(See details in the attached Curriculum Report—Page 48)

17) **To have the change in prerequisite and change in course description for FN 3710 Lifespan Nutrition be approved as proposed.**
(See details in the attached Curriculum Report—Page 49)

18) **To have the change in course description, cross-listing and prerequisite for FN 3820 Program Planning approved as proposed.**
(See details in the attached Curriculum Report—Page 50)

19) **To have the change in course description for FN 3830 Professional Practice in Dietetics be approved as proposed.**
(See details in the attached Curriculum Report—Page 51)

20) **To have the name, course description and prerequisites for FN 4340 Community Nutrition be approved as proposed.**
(See details in the attached Curriculum Report—Page 52)

21) **To add a new prerequisite and to have the change in course description for FN 4610 Clinical Nutrition II approved as proposed.**
(See details in the attached Curriculum Report—Page 53)

22) **To approve the change in prerequisites for KINE 4110/4120 Field Placement I/II as proposed.**
(See details in the attached Curriculum Report—Page 54)

23) **To approve the change in the delivery method for lecture hours for ACC 4020 Uncertainty and Probability in Climate Change as proposed.**
(See details in the attached Curriculum Report—Page 55)

24) **To approve the change in delivery method for lecture hours for ACC 4040 Virtual Reality and Climate Change as proposed.**
(See details in the attached Curriculum Report—Page 56)

Faculty of Veterinary Medicine

OMNIBUS MOTION (G. Naterer/P. Bernard) that motions 25-27 be approved as noted below: CARRIED

25) To revise the language of the requirements as they are documented in the Calendar to align more with the MSc programs at UPEI and other universities.
(See details in the attached Curriculum Report—Page 58-61)

26) To revise the course description for VCA 3233 Advanced Small Animal Medicine for General Practice 1 as proposed.
(See details in the attached Curriculum Report—Page 62)

27) To revise the course description for VCA 3234 Advanced Small Animal Medicine for General Practice II as proposed.
(See details in the attached Curriculum Report—Page 63)

ii. Academic Planning and Curriculum Committee Annual Report

G. Naterer provided an annual report of QA (Quality Assurance) activities over the past year and updates on academic program reviews. He mentioned the May 2022 Senate meeting where the updated policy on Quality Assurance for Academic Units was approved. Part of that approval included revised guidelines for academic units.

MPHEC will be conducting an institutional review of our internal processes and outcomes in mid-March. Dr. Naterer acknowledged and thanks all who have participated and contributed to these reviews over the past year. He indicating that we are catching up on some past overdue reviews and acknowledged the excellent work of Charlotte McCardle, Director of Strategic Planning, in these QA initiatives.

K. Mears asked if the guidelines that were still in development in May can now come forward to Senate as she has not found them posted to the Senate VRE.

G. Naterer indicated that the documents are available and will be posted shortly for Senators to access.

b. Senate Steering and Nominating Committee

i. Report on Electronic Nominations

President Keefe commented that it was great to see the participation in the recent electronic call for nominations for Senate and Senate committee seats.

SENATE

A. Faculty of Science vacancy commencing immediately until June 30, 2024:
Nominations
1) Travis Saunders, BSc, MSc, PhD – Applied Human Sciences, SCIENCE – Acclaimed

B. Member at Large temporary vacancy commencing immediately until December 31, 2025:
Nominations
1) Amy Hsiao, BS, MS, MBA, PhD – Sustainable Design Engineering, FSDE – Acclaimed

SENATE COMMITTEES

A. HONORARY DEGREE COMMITTEE

Requires three faculty members from different Faculties elected by Senate (three-year term)

Faculty Nominations

1) Amy Hsiao, Sustainable Design Engineering, FSDE – Acclaimed
2) Barry Linkletter, Chemistry, SCIENCE – Acclaimed
3) Robert Dennis, Religious Studies, ARTS – Acclaimed

Requires two students from the Graduating Class nominated by the Student Union and elected by the Senate:

Student Nominations

1) Hailey Hill - Hailey is a Senate Representative for the Student Union and is in her final year of BSc - Chemistry.
2) Leena Daboo - Leena is the Student Union's VP Finance and is in her final year of BBA specializing in Tourism and Hospitality.

Alumni nominations

Two Alumni recommended by the UPEI Alumni Association & elected by the Senate (three-year term, initially staggered)

1) Jo-Anne Knysh
2) Gordon MacKay

B. SENATE LIBRARY COMMITTEE

Requires two Faculty members, no more than two from any one Faculty, elected by Senate (two-year term), non-renewable:

Faculty Nominations

1) Barry Linkletter, Chemistry, SCIENCE – Acclaimed
2) Emily John, Health Management, AVC – Acclaimed

Requires one student nominated by the SU President and elected by Senate (one-year term):

Student Nominations

1) Anna MacLaren – Anna is a Senate Representative for the Student Union and is in her second year of BSc – Psychology.

C. SENATE COMMITTEE ON THE ENHANCMENT OF TEACHING

Requires three to six members of faculty (no more than two from any particular faculty (three-year term):

Faculty Nominations

1) Amy Hsiao, BS, MS, MBA, PhD, FSDE – Acclaimed
2) Andrew Carrothers, BScEE, MBA, PhD, CFA, PEng, SCIENCE – Acclaimed
3) Cora Gilroy, DVM, MVSc, Dipl. ACVP, AVC – Acclaimed
4) Stacey MacKinnon, BSc, MSc, PhD, ARTS – Acclaimed

5) Xiao Chen, BPhil, MA, PhD, BUSINESS – Acclaimed
6) Krishna Thakur, BVSc&AH, MS, PhD – Acclaimed

Student Nominations
Requires:

- **Two students nominated by the Student Union and elected by Senate for (one-year term)**
  1) Iyobosa Igbineweka – Iyobosa is the Vice-President Academic & External of the Student Union and is in her second year of BSc – Biology.
  2) Owen Brown – Owen is one of the Student Union's Senate Representatives and is in his third year of BSc – Biology.
- **One graduate student nominated by the Graduate Student Association and elected by Senate (one-year term)**
  1) Sasha Nandlal – Sasha is the Student Union's Graduate Senate Representative and is completing her PhD in Educational Studies. Her research is in large-scale assessment and inclusive education.

ii. Academic Planning & Curriculum Committee Terms of Reference
MOTION: (G. Naterer/C. Murray) That Senate approve the Terms of Reference document as proposed. CARRIED with friendly amendments to:

- remove the number of deans and replace with "All Academic Deans"
- change "5 faculty members" to "from different faculties"
- in all committee composition tables, remove "ex officio" from the heading "Expiry Date" and describe terms in a more fitting manner. (note – this change will be made in all committee composition tables)

iii. Committee for Emerita/us Status Terms of Reference
MOTION: (G. Naterer/K. Mears) That Senate approve the Terms of Reference document as proposed. TABLED (A. Braithwaite/J. Sentence) to next Senate meeting where SSNC will recommend a gender-neutral title. (Opposed to tabling: B. Stoughton).

A. Braithwaite suggested that Senate consider renaming this title so that it is gender neutral. It was agreed that Senators send suggestions of alternative titles to the Senate Steering and Nominating Committee to bring forward at the next Senate meeting.

iv. Graduate Studies Advisory Committee Terms of Reference
MOTION: (G. Naterer/ S. Nandlal) That Senate approve the Terms of Reference document as proposed. CARRIED

v. Senate Academic & Student Discipline Committee Terms of Reference
MOTION: (G. Naterer/A. Zinck) That Senate approve the Terms of Reference document as proposed. CARRIED

vi. Senate Committee on Admissions and Degrees Terms of Reference
MOTION: (G. Naterer/ T. Mady) That Senate approve the Terms of Reference

document as proposed. TABLED (B. Montelpare/A. MacKenzie) to next Senate meeting where SSNC will recommend an alternative student position to "Student in Residence."

R. Raiswell, as chair of this committee, commented that there has never been a student in residence populating that seat on the committee for many years. He recommends that the position change from "student in residence" to a graduate student.

B. Montelpare asked if "professional student" be included in that description.

After tabling, President Keefe indicated that the Senate Steering and Nominating Committee will reach out to R. Raiswell and the UPEISU for further input. A recommendation will be brought to the next Senate meeting.

vii. Senate Committee on Scholarships and Awards Terms of Reference
MOTION: (G. Naterer/ J. Sentence) That Senate approve the Terms of Reference document as proposed. CARRIED

viii. Senate Library Committee Terms of Reference
MOTION: (G. Naterer/D. Moses) That Senate approve the Terms of Reference document as proposed. CARRIED

ix. Senate Research and Advisory Committee Terms of Reference
MOTION: (G. Naterer/R. Gauthier) That Senate approve the Terms of Reference document as proposed. CARRIED

x. January Senate Meeting
MOTION: (B. Linkletter/S. Myers) Be it resolved that Senate add an additional meeting to the schedule of the 2023-2024 calendar year and future years to be held in January. CARRIED

MOTION: (G. Naterer/K. Mears) To extend the length of the meeting by 15 minutes. CARRIED.

c. Board Senate Liaison Committee

i. **MOTION: That Senate approve the updated Presidential Search Policy as submitted by the Board Senate Liaison Committee. CARRIED**
(Opposed: K. Mears, A. Braithwaite, S. Nandlal, J. Sentance, E. Cote, L. Brinklow, H. Hill. Abstained: A. MacKenzie)

K. Mears asked for clarification on the definition of faculty members.

President Keefe indicated that legal advice was sought in the issue and that advice was that under the University Act the definition of faculty does not include librarians.

K. Mears challenged this interpretation, stating that the University Act defines faculty as all persons engaged in giving instruction.

A. Braithwaite stated her support for K. Mears, acknowledging that librarians do teach, which may not have been the case when the University Act was drafted.

B. Linkletter asked what the outcome would be if Senate made a decision that goes against legal opinion.

President Keefe responded that Senate would turn down the BSLC committee's recommendation and ask for clarification on the definition.

B. Montelpare advised that the priority is to vote on the motion and then raise the librarian issue at a different time.

ii. Report on BSLC Discussion of Procedure for Election of the UPEI Chancellor

The procedure document was discussed at the Board Senate Liaison Committee meeting and brought to Senate for information.

iii. Chancellor Search Committee

Call for Nominations Results (All acclaimed)

Students: Adam MacKenzie
Owen Brown
Anna MacLaren

Ex Officio: Christina Murray
Gary Evans
Donald Moses

Faculty: Andrew Zinck
Bill Montelpare
Alyson Campbell
Ann Braithwaite
Doreley Coll
Travis Saunders

iv. Presidential Search Committee

Call for Nominations Results (All acclaimed)

Student: Divya Daboo

Administrator: Marva Sweeney-Nixon

Faculty: Bill Waterman
Libby Osgood
Richard Raiswell
Sue Dawson

MEETING MOVED TO IN CAMERA

7. Adjournment

MOTION (A. MacKenzie) that the meeting be adjourned at5:16 pm. CARRIED.

Respectfully Submitted,

Donna Sutton
Secretary of Senate

UNIVERSITY of Prince Edward ISLAND

Fourth Curriculum Report
January 17, 2023, (APCC)
February 3, 2023, (Senate)

SUMMARY OF FACULTY OF ENGINEERING MOTION #'S 1-8

Faculty of Sustainable Design Engineering

January 2023 Submission

1. Pre-requisite change for ENGN-1310 (Computer Programming)
2. Pre-requisite change for ENGN-2210 (Engineering Projects I)
3. Pre-requisite change for ENGN-2360 (Materials, Mechanics, and Manufacturing)
4. Pre-requisite change for ENGN-3220 (Engineering Measurements)
5. Pre-requisite change for ENGN-3270 (Machines and Automatic Control)
6. Pre-requisite change for ENGN-3710 (Project Based Professional Practice I)
7. Pre-requisite change for ENGN-4850 (Computational Methods for Engineering Design)
8. Calendar Entry change for Faculty of Sustainable Design Engineering

CALENDAR & CURRICULUM CHANGE — Motion #1

Revision is for a: **Pre-requisite Addition/Change**
Faculty/School/Department: **Engineering**
Department/Program(s)/Academic Regulations: **Bachelor of Science in Sustainable Design Engineering**
MOTION: That the prerequisites for ENGN 1310 (Computer Programming with Engineering Applications) be revised to add MATH 1920 as a corequisite.

Reproduction of Current Calendar Entry	Proposed revision with changes underlined and deletions indicated clearly
1310 COMPUTER PROGRAMMING WITH ENGINEERING APPLICATIONS This introductory course in computer programming is specifically designed for engineering students with no previous programming experience. The learning objectives are twofold: 1) to gain the ability to write scripts and solve basic engineering problems using the Matlab® numerical computing environment, 2) to introduce embedded systems and the fundamentals of interfacing and real-time programming using the Arduino open-source platform. Topics include problem solving, algorithm design, modular programming, data types and number systems, operators, functions, decision statements, loops, and arrays. The latter part of the course deals with the fundamentals of interfacing peripheral devices including sensors and actuators to design small embedded systems. PREREQUISITE: Admission to the Engineering Program Three lecture hours and three lab hours per week	1310 COMPUTER PROGRAMMING WITH ENGINEERING APPLICATIONS This introductory course in computer programming is specifically designed for engineering students with no previous programming experience. The learning objectives are twofold: 1) to gain the ability to write scripts and solve basic engineering problems using the Matlab® numerical computing environment, 2) to introduce embedded systems and the fundamentals of interfacing and real-time programming using the Arduino open-source platform. Topics include problem solving, algorithm design, modular programming, data types and number systems, operators, functions, decision statements, loops, and arrays. The latter part of the course deals with the fundamentals of interfacing peripheral devices including sensors and actuators to design small embedded systems. PREREQUISITE: Admission to the Engineering Program, Mathematics 1920 must be completed or taken concurrently. Three lecture hours and three lab hours per week

Rationale for Change: To ensure that students have the appropriate knowledge content to be successful in the course.

Effective Term: FALL 2023

Implications for Other Programs: None.

Impact on Students Currently Enrolled: None.

Authorization ***Date:***

Departmental Approval: FSDE Curriculum Committee	November 9, 2022
Faculty/School Approval: FSDE Faculty	November 16, 2022
Faculty Dean's Approval: Wayne Peters, Interim Dean	December 13, 2022
Grad. Studies Dean's Approval: N/A	N/A
Registrar's Office Approval: Darcy McCardle	January 11, 2023

CALENDAR & CURRICULUM CHANGE — Motion #2

Revision is for a: **Pre-requisite Addition/Change**
Faculty/School/Department: **Engineering**
Department/Program(s)/Academic Regulations: **Bachelor of Science in Sustainable Design Engineering**
MOTION: That the prerequisites for ENGN 2210 (Engineering Projects I) be revised to add ENGN 1410, 1340, 1250, and 1310 as additional prerequisites.

Reproduction of Current Calendar Entry	Proposed revision with changes underlined and deletions indicated clearly
2210 ENGINEERING PROJECTS I Combined with Engineering 2220, this course provides a complete community/industry design project experience. Emphasis is placed on strong technical design knowledge and team dynamics to facilitate learning and critical thinking. Students are encouraged to develop and apply CAD, economics, sustainability, social justice, and ethics concepts in their own community/industry design projects. Students are required to research and analyze the client's situation (internal/external) and develop detailed analytical proposals and conceptual design options. Innovative project management tools and communication skills (team/client) are also introduced to achieve project deliverables in an effective manner. PREREQUISITE: Engineering 1220 with a grade of at least 60%. Engineering 2310, Engineering 2610 and Engineering 2810 must be completed or taken concurrently and UPEI 1010 Three hours lecture and three hours design studio per week	2210 ENGINEERING PROJECTS I Combined with Engineering 2220, this course provides a complete community/industry design project experience. Emphasis is placed on strong technical design knowledge and team dynamics to facilitate learning and critical thinking. Students are encouraged to develop and apply CAD, economics, sustainability, social justice, and ethics concepts in their own community/industry design projects. Students are required to research and analyze the client's situation (internal/external) and develop detailed analytical proposals and conceptual design options. Innovative project management tools and communication skills (team/client) are also introduced to achieve project deliverables in an effective manner. PREREQUISITE: Engineering 1220 with a grade of at least 60%. Engineering 1250, Engineering 1310, Engineering 1340 and Engineering 1410. Engineering 2310, Engineering 2610 and Engineering 2810 must be completed or taken concurrently, and UPEI 1010 Three hours lecture and three hours design studio per week

Rationale for Change: To ensure that students have the appropriate knowledge content to be successful in the course.

Effective Term: FALL 2023

Implications for Other Programs: None **Impact on Students Currently Enrolled:** None

Authorization ***Date:***

Departmental Approval: FSDE Curriculum Committee	November 9, 2022
Faculty/School Approval: FSDE Faculty	November 16, 2022
Faculty Dean's Approval: Wayne Peters, Interim Dean	December 13, 2022
Grad. Studies Dean's Approval: N/A	N/A
Registrar's Office Approval: Darcy McCardle	January 11, 2023

CALENDAR & CURRICULUM CHANGE — Motion #3

Revision is for a: **Pre-requisite Addition/Change**
Faculty/School/Department: **Engineering**
Department/Program(s)/Academic Regulations: **Bachelor of Science in Sustainable Design Engineering**
MOTION: That the prerequisites for ENGN 2360 (Materials, Mechanics, and Manufacturing) be revised to add ENGN-1250 as a prerequisite.

Reproduction of Current Calendar Entry	Proposed revision with changes underlined and deletions indicated clearly
2360 MATERIALS, MECHANICS, AND MANUFACTURING This course advances the fundamental knowledge of materials science to focus on materials processing and industrial manufacturing techniques for metals, ceramics, polymers, and composites. Knowledge of heat treatment and various metallurgical processes, as well as cold-working, subtractive and additive manufacturing, corrosion and fatigue, will be linked to an evaluation of materials properties, materials performance and mechanical behavior, and microstructure. Students will apply the materials life cycle and use various tools to assess quality and integrity to predefined specifications and tolerances. The materials phenomena and manufacturing techniques discussed in lecture will be demonstrated through experiential labs. PREREQUISITE: Engineering 2310 Three lecture hours and three lab hours per week	2360 MATERIALS, MECHANICS, AND MANUFACTURING This course advances the fundamental knowledge of materials science to focus on materials processing and industrial manufacturing techniques for metals, ceramics, polymers, and composites. Knowledge of heat treatment and various metallurgical processes, as well as cold-working, subtractive and additive manufacturing, corrosion and fatigue, will be linked to an evaluation of materials properties, materials performance and mechanical behavior, and microstructure. Students will apply the materials life cycle and use various tools to assess quality and integrity to predefined specifications and tolerances. The materials phenomena and manufacturing techniques discussed in lecture will be demonstrated through experiential labs. PREREQUISITE: Engineering 1250 and Engineering 2310 Three lecture hours and three lab hours per week

Rationale for Change: To ensure that students have the appropriate knowledge content to be successful in the course.

Effective Term: FALL 2023

Implications for Other Programs: None

Impact on Students Currently Enrolled: None

Authorization ***Date:***

Departmental Approval: FSDE Curriculum Committee	November 9, 2022
Faculty/School Approval: FSDE Faculty	November 16, 2022
Faculty Dean's Approval: Wayne Peters, Interim Dean	December 13, 2022
Grad. Studies Dean's Approval: N/A	N/A
Registrar's Office Approval: Darcy McCardle	January 11, 2023

CALENDAR & CURRICULUM CHANGE — Motion #4

Revision is for a: **Pre-requisite Addition/Change**
Faculty/School/Department: **Engineering**
Department/Program(s)/Academic Regulations: **Bachelor of Science in Sustainable Design Engineering**
MOTION: That the prerequisites for ENGN 3220 (Engineering Measurements) be revised to add ENGN-2130 as a prerequisite.

Reproduction of Current Calendar Entry	Proposed revision with changes underlined and deletions indicated clearly
3220 ENGINEERING MEASUREMENTS This course covers the basic types of measurement of many fundamental physical phenomena, including time, distance, displacements, speed, rates, force, flow, temperature, pressure, stress and strain, and frequency. An introduction to digital and analog electronics is a component of the course, but the focus is on understanding ways to sense physical parameters. This course has a significant field component. PREREQUISITE: Engineering 2810 and Math 3010 Three hours lecture and three hours lab per week	3220 ENGINEERING MEASUREMENTS This course covers the basic types of measurement of many fundamental physical phenomena, including time, distance, displacements, speed, rates, force, flow, temperature, pressure, stress and strain, and frequency. An introduction to digital and analog electronics is a component of the course, but the focus is on understanding ways to sense physical parameters. This course has a significant field component. PREREQUISITE: Engineering 2130, Engineering 2810, and Math 3010 Three hours lecture and three hours lab per week

Rationale for Change: To ensure that students have the appropriate knowledge content to be successful in the course.

Effective Term: FALL 2023

Implications for Other Programs: None

Impact on Students Currently Enrolled: None

Authorization ***Date:***

Departmental Approval: FSDE Curriculum Committee	November 9, 2022
Faculty/School Approval: FSDE Faculty	November 16, 2022
Faculty Dean's Approval: Wayne Peters, Interim Dean	December 13, 2022
Grad. Studies Dean's Approval: N/A	N/A
Registrar's Office Approval: Darcy McCardle	January 11, 2023

CALENDAR & CURRICULUM CHANGE — Motion #5

Revision is for a: **Pre-requisite Addition/Change**
Faculty/School/Department: **Engineering**
Department/Program(s)/Academic Regulations: **Bachelor of Science in Sustainable Design Engineering**
MOTION: That the prerequisite for ENGN 3270 (Machines and Automatic Control) be revised to remove ENGN 2810 as a prerequisite.

Reproduction of Current Calendar Entry	Proposed revision with changes underlined and deletions indicated clearly
3270 MACHINES AND AUTOMATIC CONTROL This course introduces students to the complexity of automating machines. Building on previous machine design and electric circuit's courses, students will investigate and experiment with all aspects of electrical systems, mechanical systems and automatic control. Topics covered include: history of machines, how machines work, concept of control, human interaction, instruments and measurements, control schematics, AC/DC machines and transformers, programmable technology, power electronics, electric motors, protection systems, and industrial safety. Labs involve reverse engineering exercises and industrial field trips are used to enhance understanding. PREREQUISITE: Engineering 2810 and Engineering 3220 Three lecture hours and three lab hours per week	3270 MACHINES AND AUTOMATIC CONTROL This course introduces students to the complexity of automating machines. Building on previous machine design and electric circuit's courses, students will investigate and experiment with all aspects of electrical systems, mechanical systems and automatic control. Topics covered include: history of machines, how machines work, concept of control, human interaction, instruments and measurements, control schematics, AC/DC machines and transformers, programmable technology, power electronics, electric motors, protection systems, and industrial safety. Labs involve reverse engineering exercises and industrial field trips are used to enhance understanding. PREREQUISITE: ~~Engineering 2810~~ Engineering 3220 Three lecture hours and three lab hours per week

Rationale for Change: To ensure that students have the appropriate knowledge content to be successful in the course.

Effective Term: FALL 2023 **Implications for Other Programs:** None

Impact on Students Currently Enrolled: None

Authorization ***Date:***

Departmental Approval: FSDE Curriculum Committee	November 9, 2022
Faculty/School Approval: FSDE Faculty	November 16, 2022
Faculty Dean's Approval: Wayne Peters, Interim Dean	December 13, 2022
Grad. Studies Dean's Approval: N/A	N/A
Registrar's Office Approval: Darcy McCardle	January 11, 2023

CALENDAR & CURRICULUM CHANGE — Motion #6

Revision is for a: **Pre-requisite Addition/Change**
Faculty/School/Department: **Engineering**
Department/Program(s)/Academic Regulations: **Bachelor of Science in Sustainable Design Engineering**
MOTION: That the prerequisites for ENGN 3710 (Project-Based Professional Practice I) be revised to remove ENGN-1340 as a prerequisite, and add 2130 as a prerequisite.

Reproduction of Current Calendar Entry	Proposed revision with changes underlined and deletions indicated clearly
3710 PROJECT-BASED PROFESSIONAL PRACTICE I Building on the work in previous design courses, this course is the first of a series of upper-year courses which simulates the practice of a professional engineer. Following a design-build-test approach, students work in a team-based environment to deliver design solutions to real-world industrial clients. Following best practices in project management and sustainability, students develop detailed project proposals, conceptual designs, and proofs of concepts within the ethical and safety considerations that are fundamental to the profession. Concepts are further developed into operational prototypes in Engineering 3720. PREREQUISITE: Engineering 2220 with a grade of at least 60%, Engineering 2360, Engineering 1340, Engineering 2620, and Engineering 2830 Six lecture hours and six hours design studio per week	3710 PROJECT-BASED PROFESSIONAL PRACTICE I Building on the work in previous design courses, this course is the first of a series of upper-year courses which simulates the practice of a professional engineer. Following a design-build-test approach, students work in a team-based environment to deliver design solutions to real-world industrial clients. Following best practices in project management and sustainability, students develop detailed project proposals, conceptual designs, and proofs of concepts within the ethical and safety considerations that are fundamental to the profession. Concepts are further developed into operational prototypes in Engineering 3720. PREREQUISITE: Engineering 2220 with a grade of at least 60%, Engineering 2360, ~~Engineering 1340,~~ Engineering 2130 Engineering 2620, and Engineering 2830 Six lecture hours and six hours design studio per week

Rationale for Change: To ensure that students have the appropriate knowledge content to be successful in the course.

Effective Term: FALL 2023 **Implications for Other Programs:** None

Impact on Students Currently Enrolled: None

Authorization ***Date:***

Departmental Approval: FSDE Curriculum Committee	November 9, 2022
Faculty/School Approval: FSDE Faculty	November 16, 2022
Faculty Dean's Approval: Wayne Peters, Interim Dean	December 13, 2022
Grad. Studies Dean's Approval: N/A	N/A
Registrar's Office Approval: Darcy McCardle	January 11, 2023

CALENDAR & CURRICULUM CHANGE — Motion #7

Revision is for a: **Pre-requisite Addition/Change**
Faculty/School/Department: **Engineering**
Department/Program(s)/Academic Regulations: **Bachelor of Science in Sustainable Design Engineering**
MOTION: That the prerequisites for ENGN 4850 (Computational Methods for Engineering Design) be revised to add ENGN-3720 as a prerequisite.

Reproduction of Current Calendar Entry	Proposed revision with changes underlined and deletions indicated clearly
4850 COMPUTATIONAL METHODS FOR ENGINEERING DESIGN This course covers the numerical methods that form the basis of many engineering techniques and applies these methods to quantitative engineering design. The fundamentals of numerical approaches are reviewed, including iteration, approximation, and numerical errors. Methods are presented for numerical integration, differentiation, and nonlinear equation solving. Numerical approaches to solving differential equations are examined and their applications to numerical modelling, including finiteelement analysis and computation fluid dynamics, are explored. Computational approaches to frequency-domain analysis using discrete Fourier transforms are introduced, along with related topics such as digital filtering and numerical convolution. Algorithms are presented for array and matrix computation, solving systems of equations, regression, curve fitting, and numerical optimization. Finally, these computational techniques are brought to bear on the topic of design optimization, emphasizing the transformation of real-world engineering design problems into quantitative formulations to which computational design optimization techniques can be applied. PREREQUISITE: Engineering 1310 and Math 3010 Three lecture hours and three lab hours per week	4850 COMPUTATIONAL METHODS FOR ENGINEERING DESIGN This course covers the numerical methods that form the basis of many engineering techniques and applies these methods to quantitative engineering design. The fundamentals of numerical approaches are reviewed, including iteration, approximation, and numerical errors. Methods are presented for numerical integration, differentiation, and nonlinear equation solving. Numerical approaches to solving differential equations are examined and their applications to numerical modelling, including finiteelement analysis and computation fluid dynamics, are explored. Computational approaches to frequency-domain analysis using discrete Fourier transforms are introduced, along with related topics such as digital filtering and numerical convolution. Algorithms are presented for array and matrix computation, solving systems of equations, regression, curve fitting, and numerical optimization. Finally, these computational techniques are brought to bear on the topic of design optimization, emphasizing the transformation of real-world engineering design problems into quantitative formulations to which computational design optimization techniques can be applied. PREREQUISITE: Engineering 1310, Engineering 3720, and Math 3010 Three lecture hours and three lab hours per week

Rationale for Change: To ensure that students have the appropriate knowledge content to be successful in the course.

Effective Term: FALL 2023

Implications for Other Programs: None

Impact on Students Currently Enrolled: None

CALENDAR & CURRICULUM CHANGE — Motion #7

Authorization — ***Date:***

Departmental Approval: FSDE Curriculum Committee	November 9, 2022
Faculty/School Approval: FSDE Faculty	November 16, 2022
Faculty Dean's Approval: Wayne Peters, Interim Dean	December 13, 2022
Grad. Studies Dean's Approval: N/A	N/A
Registrar's Office Approval: Darcy McCardle	January 11, 2023

Form Version: September 2022

CALENDAR & CURRICULUM CHANGE — Motion #8

Revision is for a: **Calendar Entry Change**
Faculty/School/Department: **Engineering**
Department/Program(s)/Academic Regulations: **Bachelor of Science in Sustainable Design Engineering**
MOTION: That the Academic Calendar entry for the Bachelor of Science in Sustainable Design Engineering be approved as proposed.

Reproduction of Current Calendar Entry	Proposed revision with changes underlined and deletions indicated clearly
Faculty of Sustainable Design Engineering **Overview** The Faculty of Sustainable Design Engineering at UPEI offers a progressive and innovative four-year Bachelor of Science in Engineering (Sustainable Design Engineering) degree which recognizes the need for a broad and balanced engineering education. The program follows current trends in engineering education and focuses on student outcomes. Small class sizes within an activity-based learning environment allow faculty and staff to be student-centric and to provide specific and timely input to individual students. Students are exposed to a broad base of knowledge and skills in engineering science, natural science, mathematics, and complementary studies in concert with an applied project-based design stream simulating the engineering profession. Students entering the degree program will be actively engaged in the profession of engineering from day one, providing creative and sustainable solutions to society's problems. The degree program is designed to provide a highly flexible learning environment that is responsive to the dynamic needs of students and the industries that employ them. In addition to fundamental science, engineering science and mathematics courses, students are required to develop skills in engineering design, communication, analysis, project management, professional ethics and more. With a solid grounding in these fundamentals, students in Program Years 3 and 4 can enhance their technical knowledge by choosing courses from among three engineering focus areas: Mechatronics (MT), Sustainable Energy (SE), or Bioresources (BR). **Engineered by Design** It is increasingly recognized that understanding basic	**Faculty of Sustainable Design Engineering** **Overview** ~~The Faculty of Sustainable Design Engineering at UPEI offers a progressive and innovative four-year Bachelor of Science in Engineering (Sustainable Design Engineering) degree which recognizes the need for a broad and balanced engineering education. The program follows current trends in engineering education and focuses on student outcomes. Small class sizes within an activity-based learning environment allow faculty and staff to be student-centric and to provide specific and timely input to individual students.~~ ~~Students are exposed to a broad base of knowledge and skills in engineering science, natural science, mathematics, and complementary studies in concert with an applied project-based design stream simulating the engineering profession. Students entering the degree program will be actively engaged in the profession of engineering from day one, providing creative and sustainable solutions to society's problems. The degree program is designed to provide a highly flexible learning environment that is responsive to the dynamic needs of students and the industries that employ them.~~ ~~In addition to fundamental science, engineering science and mathematics courses, students are required to develop skills in engineering design, communication, analysis, project management, professional ethics and more. With a solid grounding in these fundamentals, students in Program Years 3 and 4 can enhance their technical knowledge by choosing courses from among three engineering focus areas: Mechatronics (MT), Sustainable Energy (SE), or Bioresources (BR).~~ ~~**Engineered by Design**~~

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Reproduction of Current Calendar Entry	Proposed revision with changes underlined and deletions indicated clearly
science and mathematics are only two of the many areas that are essential to professional engineering practice. Engineering students in this program must make responsible decisions based on good judgment and an ability to justify decisions within a structured analytical framework. Based on this generalist philosophy, this program is designed to develop a student's ability to think. This fundamental requirement of engineers to think critically in response to ever-changing and complex situations is accomplished through a design stream core which relies heavily on inquiry-based learning supported by traditional lecture-based knowledge. The progression in complex thinking skills occurs over the duration of the four-year program and beyond through appreciation of lifelong learning and professional development. An integrated, stream of project-based design clinic courses through all four-years of the program provides students with the opportunity to develop knowledge and skills through working on real community and industry-based projects. Traditional content courses are delivered via an integrated and timely approach so that professional practice skills are developed in a simulated workplace environment. This program emphasizes design as an essential element of engineering as reflected in the Community Design Program (Year 1), and the Junior Design (Year 2) and Senior Design (Years 3 and 4) Clinics.	~~It is increasingly recognized that understanding basic science and mathematics are only two of the many areas that are essential to professional engineering practice. Engineering students in this program must make responsible decisions based on good judgment and an ability to justify decisions within a structured analytical framework. Based on this generalist philosophy, this program is designed to develop a student's ability to think. This fundamental requirement of engineers to think critically in response to ever-changing and complex situations is accomplished through a design stream core which relies heavily on inquiry-based learning supported by traditional lecture-based knowledge. The progression in complex thinking skills occurs over the duration of the four-year program and beyond through appreciation of lifelong learning and professional development.~~ ~~An integrated, stream of project-based design clinic courses through all four-years of the program provides students with the opportunity to develop knowledge and skills through working on real community and industry-based projects. Traditional content courses are delivered via an integrated and timely approach so that professional practice skills are developed in a simulated workplace environment. This program emphasizes design as an essential element of engineering as reflected in the Community Design Program (Year 1), and the Junior Design (Year 2) and Senior Design (Years 3 and 4)~~ ~~Clinics.~~ UPEI's Bachelor of Science in Sustainable Design Engineering program focuses on engineering design as an engineering discipline in itself. Sustainable design engineers are problem solvers. They use design skills, engineering knowledge, math and science to deliver innovative and sustainable solutions to modern-day problems. A sustainable solution is one in which all factors and stakeholders are considered. It goes beyond just providing an efficient, attractive, on-time, and on-budget solution. It also cares about how such goals are achieved and about its impact on people, the environment and society. Our program provides students with a solid technical foundation which supports the development of their design skills. Just as important, though, the program

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	also provides the professional skills necessary to succeed as a professional engineer. To achieve this, we have created a unique and innovative design clinic model that is integrated throughout all years of the program. In the design clinics, students are immersed in hands-on, experiential learning while working on real projects for a wide range of external partners from the community, municipalities, government, industry and others. Our program allows students in the upper years to focus their studies and apply their design skills in three areas: mechatronics; bioresources; and sustainable energy. Very often, then, design clinic projects and the interests of project team members cover each of these areas. With a strong interdisciplinary background in engineering design, strengthened by solid professional and technical skills, our graduates are well-positioned to work in a diverse range of industry sectors such as: bio and food processing, robotics, industrial automation, aerospace, automotive, advanced manufacturing, sustainable and alternative energy, marine applications, and many others. Our graduates also pursue careers in research and development by enrolling in graduate programs either here at UPEI or at other schools. Some of our graduates move on to medical school and some even start their own companies.
The following core design courses must be taken in succession to support the students' developing skills. **Community Design Program (Program Year 1)** Engineering 1210—Engineering Communications Engineering 1220—Engineering Analysis **Junior Design Clinic (Program Year 2)** Engineering 2210—Engineering Projects I Engineering 2220—Engineering Projects II **Senior Design Clinics (Program Years 3 and 4)** Engineering 3710—Project-Based Professional Practice I Engineering 3720—Project-Based Professional Practice II Engineering 4710—Project-Based Professional Practice III	The following core design clinic courses must be taken in succession to support the students' developing skills: **Community Design Program ~~(Program Year 1)~~** Engineering 1210—Engineering Communications Engineering 1220—Engineering Analysis **Junior Design Clinic ~~(Program Year 2)~~** Engineering 2210—Engineering Projects I Engineering 2220—Engineering Projects II **Senior Design Clinics ~~(Program Years 3 and 4)~~** Engineering 3710—Project-Based Professional Practice I Engineering 3720—Project-Based Professional Practice II Engineering 4710—Project-Based Professional Practice III

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Reproduction of Current Calendar Entry	Proposed revision with changes underlined and deletions indicated clearly
Engineering 4720—Project-Based Professional Practice IV **Sustainable Design Engineering Degree** Students are strongly encouraged to meet with a faculty advisor early in the program to review course selection. The following is the course sequence for the four-year degree. A five-year degree sequence is also available. Please note that a 60% minimum grade is required in each of the following courses to proceed to the next course: Engineering 1210, 1220, 2210, 2220, 3710, 3720 and 4710. **(NOTE: As per Academic Regulation #1 h), all undergraduate degree programs require successful completion of IKE-1040, one of UPEI-1010, 1020 or 1030, and a Writing Intensive Course.)** **Program Year 1—Term 1** Engineering 1210—Engineering Communications Engineering 1230—Engineering Mechanics I: Statics Engineering 1410—Sustainability in Engineering Design Chemistry 1110—General Chemistry I Mathematics 1910—Single Variable Calculus I UPEI 1010—Writing Studies **Program Year 1—Term 2** Engineering 1220—Engineering Analysis Engineering 1250—Materials Science Engineering 1310—Computer Programming with Engineering Applications Engineering 1340 – Engineering Mechanics II: Dynamics Mathematics 1920—Single Variable Calculus II IKE 1040 – Indigenous Teachings **Program Year 2—Term 3** Engineering 2130—Statistics for Engineering Applications Engineering 2210—Engineering Projects I Engineering 2310—Strength of Materials Engineering 2610—Thermo Fluids I: Thermodynamics Engineering 2810—Electric Circuits Mathematics 2910—Multivariable and Vector Calculus **Program Year 2—Term 4** Engineering 2220—Engineering Projects II Engineering 2360—Materials, Mechanics, and	Engineering 4720—Project-Based Professional Practice IV **Sustainable Design Engineering Degree** ~~Students are strongly encouraged to meet with a faculty advisor early in the program to review course selection. The following is the course sequence for the four-year degree. A five-year degree sequence is also available. Please note that a 60% minimum grade is required in each of the following courses to proceed to the next course: Engineering 1210, 1220, 2210, 2220, 3710, 3720 and 4710. **(NOTE: As per Academic Regulation #1 h), all undergraduate degree programs require successful completion of IKE-1040, one of UPEI-1010, 1020 or 1030, and a Writing Intensive Course.)**~~ ~~**Program Year 1—Term 1**~~ ~~Engineering 1210—Engineering Communications~~ ~~Engineering 1230—Engineering Mechanics I: Statics~~ ~~Engineering 1410—Sustainability in Engineering Design~~ ~~Chemistry 1110—General Chemistry I~~ ~~Mathematics 1910—Single Variable Calculus I~~ ~~UPEI 1010—Writing Studies~~ ~~**Program Year 1—Term 2**~~ ~~Engineering 1220—Engineering Analysis~~ ~~Engineering 1250—Materials Science~~ ~~Engineering 1310—Computer Programming with Engineering Applications~~ ~~Engineering 1340 – Engineering Mechanics II: Dynamics~~ ~~Mathematics 1920—Single Variable Calculus II~~ ~~IKE 1040 – Indigenous Teachings~~ ~~**Program Year 2—Term 3**~~ ~~Engineering 2130—Statistics for Engineering Applications~~ ~~Engineering 2210—Engineering Projects I~~ ~~Engineering 2310—Strength of Materials~~ ~~Engineering 2610—Thermo Fluids I: Thermodynamics~~ ~~Engineering 2810—Electric Circuits~~ ~~Mathematics 2910—Multivariable and Vector Calculus~~ ~~**Program Year 2—Term 4**~~ ~~Engineering 2220—Engineering Projects II~~ ~~Engineering 2360—Materials, Mechanics, and~~

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Reproduction of Current Calendar Entry	Proposed revision with changes underlined and deletions indicated clearly
Manufacturing Engineering 2620—Thermo Fluids II: Fluid Mechanics Engineering 2830—Digital Logic Design Mathematics 2610—Linear Algebra Mathematics 3010—Differential Equations **Program Year 3—Term 5** Engineering 3220—Engineering Measurements Engineering 3630—Thermo Fluids III: Heat Transfer and Thermodynamic Cycles Engineering 3710—Project-Based Professional Practice I Engineering 3810—Systems Engineering One (1) introductory engineering focus area elective* **Program Year 3—Term 6** Engineering 3430—Technology Management and Entrepreneurship Engineering 3270—Machines & Automatic Controls Engineering 3720—Project-Based Professional Practice II Engineering 3820—System Dynamics with Simulation One (1) engineering focus area elective* **Program Year 4—Term 7** Engineering 4210—Facilitated Study & Experimental Practice Engineering 4710—Project-Based Professional Practice III Engineering 4850—Computational Methods for Engineering Design One (1) engineering focus area elective* **Program Year 4—Term 8** Engineering 4720—Project-Based Professional Practice IV One (1) engineering focus area elective* One (1) science or business elective One (1) humanities elective (courses typically offered by the Faculty of Arts) Students should consult with a faculty advisor before choosing electives. *Four engineering focus area electives are required. The first of these (Program Year 3, Term 5) must be the introductory elective course in either mechatronics, sustainable energy, or bio-resources: Engineering 3340—Introduction to Mechatronics	~~Manufacturing~~ ~~Engineering 2620—Thermo Fluids II: Fluid Mechanics~~ ~~Engineering 2830—Digital Logic Design~~ ~~Mathematics 2610—Linear Algebra~~ ~~Mathematics 3010—Differential Equations~~ ~~**Program Year 3—Term 5**~~ ~~Engineering 3220—Engineering Measurements~~ ~~Engineering 3630—Thermo Fluids III: Heat Transfer and Thermodynamic Cycles~~ ~~Engineering 3710—Project-Based Professional Practice I~~ ~~Engineering 3810—Systems Engineering~~ ~~One (1) introductory engineering focus area elective*~~ ~~**Program Year 3—Term 6**~~ ~~Engineering 3430—Technology Management and Entrepreneurship~~ ~~Engineering 3270—Machines & Automatic Controls~~ ~~Engineering 3720—Project-Based Professional Practice II~~ ~~Engineering 3820—System Dynamics with Simulation~~ ~~One (1) engineering focus area elective*~~ ~~**Program Year 4—Term 7**~~ ~~Engineering 4210—Facilitated Study & Experimental Practice~~ ~~Engineering 4710—Project-Based Professional Practice III~~ ~~Engineering 4850—Computational Methods for Engineering Design~~ ~~One (1) engineering focus area elective*~~ ~~**Program Year 4—Term 8**~~ ~~Engineering 4720—Project-Based Professional Practice IV~~ ~~One (1) engineering focus area elective*~~ ~~One (1) science or business elective~~ ~~One (1) humanities elective (courses typically offered by the Faculty of Arts)~~ ~~Students should consult with a faculty advisor before choosing electives.~~ ~~*Four engineering focus area electives are required. The first of these (Program Year 3, Term 5) must be the introductory elective course in either mechatronics, sustainable energy, or bio-resources:~~ ~~Engineering 3340—Introduction to Mechatronics~~

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Reproduction of Current Calendar Entry	Proposed revision with changes underlined and deletions indicated clearly
Engineering Engineering 3440—Introduction to Sustainable Energy Engineering Engineering 3540—Introduction to Bioresources Engineering The remaining three engineering focus area electives, in Terms 6, 7 and 8, can be selected from any of the following courses. At least one of the engineering focus area electives must be at the 4000 level.	~~Engineering~~ ~~Engineering 3440—Introduction to Sustainable Energy Engineering~~ ~~Engineering 3540—Introduction to Bioresources Engineering~~ ~~The remaining three engineering focus area electives, in Terms 6, 7 and 8, can be selected from any of the following courses. At least one of the engineering focus area electives must be at the 4000 level.~~ The following are the course requirements for the Sustainable Design Engineering degree which can be taken over a four-year or a five-year course plan. Refer to the individual course matrices, available on the website, for the course sequencing for each of these plans. Please note that a 60% minimum grade is required in each of the following courses to proceed to the next course: Engineering 1210, 1220, 2210, 2220, 3710, 3720 and 4710. Students are strongly encouraged to meet with an academic advisor early in the program to review course selection.

Course	**Hours Credit**
Engineering 1210—Engineering Communications*	3
Engineering 1220—Engineering Analysis	3
Engineering 1230—Engineering Mechanics I: Statics	3
Engineering 1250—Materials Science	3
Engineering 1310—Computer Programming with Engineering Applications	3
Engineering 1340 – Engineering Mechanics II: Dynamics	3
Engineering 1410—Sustainability in Engineering Design	3
Engineering 2130—Statistics for Engineering Applications	3
Engineering 2210—Engineering Projects I	3
Engineering 2220—Engineering Projects II	3
Engineering 2310—Strength of Materials	3
Engineering 2360—Materials, Mechanics, and Manufacturing	3
Engineering 2610—Thermo Fluids I: Thermodynamics	3

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Reproduction of Current Calendar Entry	Proposed revision with changes underlined and deletions indicated clearly
	Engineering 2620—Thermo Fluids II: Fluid Mechanics 3 Engineering 2810—Electric Circuits 3 Engineering 2830—Digital Logic Design 3 Engineering 3220—Engineering Measurements 3 Engineering 3270—Machines & Automatic Controls 3 Engineering 3430—Technology Management and Entrepreneurship 3 Engineering 3630—Thermo Fluids III: Heat Transfer and Thermodynamic Cycles 3 Engineering 3710—Project-Based Professional Practice I 6 Engineering 3720—Project-Based Professional Practice II 6 Engineering 3810—Systems Engineering 3 Engineering 3820—System Dynamics with Simulation 3 Engineering 4210—Facilitated Study & Experimental Practice 3 Engineering 4710—Project-Based Professional Practice III 6 Engineering 4720—Project-Based Professional Practice IV 6 Engineering 4850—Computational Methods for Engineering Design 3 One (1) introductory engineering focus area elective** 3 Three (3) engineering focus area electives** 9 Chemistry 1110—General Chemistry I 3 IKE 1040 – Indigenous Teachings 3 Mathematics 1910—Single Variable Calculus I 4 Mathematics 1920—Single Variable Calculus II 4 Mathematics 2610—Linear Algebra 3 Mathematics 2910—Multivariable and Vector Calculus 4 Mathematics 3010—Differential Equations 3 UPEI 1010—Writing Studies 3 One (1) complementary studies elective*** 3 One (1) complementary studies or science elective*** 3 Total 141 Notes * Engineering 1210 satisfies the intensive writing course requirement.

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Reproduction of Current Calendar Entry	Proposed revision with changes underlined and deletions indicated clearly
	** Four engineering focus area electives are required. The first of these must be the introductory elective course in either Mechatronics (ENGN 3340), Sustainable Energy (ENGN 3440), or Bio-Resources (ENGN 3540) The remaining three engineering focus area electives can be selected from any of the elective courses listed below depending on availability. At least one of the engineering focus area electives must be at the 4000 level. *** Complementary studies courses are any non-engineering or non-science courses. **Engineering Focus Area Electives**
Engineering 3370—Mechatronic System Integration and Interface Design Engineering 3380—Real-time Embedded Systems Engineering 3390—Introduction to Mechatronic Computer-Aided Product Development, Modelling and Simulation Engineering 3450—Wind and Water Power Engineering 3460—Solar Energy and Electricity Storage Engineering 3490—Chemical Energy Conversion Engineering 3570—Engineering Applications of Biological Materials Engineering 3580—Soil Mechanics Engineering 4310—Advanced Fabrication Techniques and Computer-Integrated Manufacturing Engineering 4320—Control System Design Engineering 4330—Innovations in Biomedical Engineering Engineering 4350—Advanced Robotic Dynamics and Control Engineering 4370—Fluid Power Control Engineering 4410—Macro Energy Systems Engineering 4440—Advanced Energy Storage Engineering 4450—Fluid Loads on Energy Structures Engineering 4470—Micro Grids Engineering 4510—Geoinformatics in Bioresources Engineering 4530—Fundamentals of Agricultural Machinery Engineering 4550—Biotechnological Processes Engineering 4830—Biomedical Signal Processing	Engineering 3370—Mechatronic System Integration and Interface Design Engineering 3380—Real-time Embedded Systems Engineering 3390—Introduction to Mechatronic Computer-Aided Product Development, Modelling and Simulation Engineering 3450—Wind and Water Power Engineering 3460—Solar Energy and Electricity Storage Engineering 3490—Chemical Energy Conversion Engineering 3570—Engineering Applications of Biological Materials Engineering 3580—Soil Mechanics Engineering 4310—Advanced Fabrication Techniques and Computer-Integrated Manufacturing Engineering 4320—Control System Design Engineering 4330—Innovations in Biomedical Engineering Engineering 4350—Advanced Robotic Dynamics and Control Engineering 4370—Fluid Power Control Engineering 4410—Macro Energy Systems Engineering 4440—Advanced Energy Storage Engineering 4450—Fluid Loads on Energy Structures Engineering 4470—Micro Grids Engineering 4510—Geoinformatics in Bioresources Engineering 4530—Fundamentals of Agricultural Machinery Engineering 4550—Biotechnological Processes Engineering 4830—Biomedical Signal Processing Engineering 4840—Sustainable Technology Development and Commercialization

Rationale for Change: 1) To present the degree course requirements in a manner that is inclusive of

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both our 4-year and 5-year program pathways; and 2) to update and shorten the front-end preamble section and ensure that it concisely addresses three important questions: what do sustainable design engineers do?; what does the program provide and how do we do it?; and what career paths are available?.

Effective Term: FALL 2023

Implications for Other Programs: None

Impact on Students Currently Enrolled: None

Authorization	***Date:***
Departmental Approval: FSDE Curriculum Committee	November 9, 2022
Faculty/School Approval: FSDE Faculty	November 16, 2022
Faculty Dean's Approval: Wayne Peters, Interim Dean	December 13, 2022
Grad. Studies Dean's Approval: N/A	N/A
Registrar's Office Approval: Darcy McCardle	January 11, 2023

SUMMARY OF FACULTY OF IKERAS MOTION #9

IKE 2060 – Calendar description and Course Title change

CALENDAR & CURRICULUM CHANGE — Motion #9

Revision is for a: **Course Description Change**
Faculty/School/Department: **IKERAS**
Department/Program(s)/Academic Regulations: **N/A**
MOTION: To change the course description and course title for IKE 2060, Indigenous Food Across Turtle Island as proposed.

Reproduction of Current Calendar Entry	Proposed revision with changes underlined and deletions indicated clearly
2060 Indigenous Food across Turtle Island 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. PREREQUISITE: None Three semester hours of credit	2060 ~~Indigenous Food Across Turtle Island~~ Mi'kmaq Foodways ~~Food cultivation and the development of an extraordinary agriculture and network of trade will be explored.~~ Food is a central element in Indigenous livelihoods. The storage, processing, preparation, and transportation of Mi'kmaq food ~~will also~~ is 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 to prepare contemporary Mi'kmaq recipes and concurrently learn cultural teachings about food and its use in ceremonies. ~~of working with a pre-contact style Mi'kmaq garden and with the preparation and cooking of traditional Mi'kmaq foods.~~ PREREQUISITE: None Three semester hours of credit

Rationale for Change: The new title is more descriptive of the course content. It is a course that has a complete focus on Mi'kmaq foods.

Effective Term: FALL 2023

Implications for Other Programs: N/A **Impact on Students Currently Enrolled:** N/A

Authorization	***Date:***
Departmental Approval: N/A	N/A
Faculty/School Approval: IKERAS	December 19, 2022
Faculty Dean's Approval: Gary Evans	December 19, 2022
Grad. Studies Dean's Approval: N/A	N/A
Registrar's Office Approval: Darcy McCardle	January 11, 2023

SUMMARY OF FACULTY OF SCIENCE MOTION #'S 10-24

Summary

AHS	FS	calendar entry change	remove calendar entries for Family Science and Bachelor of Child and Family Studies programs
AHS	FN	calendar entry change	add IKE 1040 to course requirements for FN, FN Honours, and FN Dietetic internship programs
AHS	FN	prerequisite addition / change	update course description and prerequisite for FN 2230
AHS	FN	course description change	update description, remove lab for FN 2610
AHS	FN	prerequisite addition / change	update requisites for FN 3020
AHS	FN	course description change	update description, add a lab to FN 3510
AHS	FN	course description change	update description for FN 3520
AHS	FN	prerequisite addition / change	update description and remove prerequisites for FN 3710
AHS	FN	prerequisite addition / change	update description and add prerequisite for FN 3820
AHS	FN	course description change	update description of FN 3830
AHS	FN	course title change	update title and description FN 4340
AHS	FN	course description change	update course description and prerequisite for FN 4610
AHS	KINE	calendar entry change	delete KINE 3820 as prerequisite for KINE 4110/4120
SCCA	SCCA	course description change	ACC 4020 (remove web, lecture hours online)
SCCA	SCCA	course description change	ACC 4040 (remove web, lecture hours online)

CALENDAR & CURRICULUM CHANGE — Motion #10

Revision is for a: **Calendar Entry Change**
Faculty/School/Department: **Science**
Department/Program(s)/Academic Regulations: **Applied Human Sciences**
MOTION: To remove the calendar entries related to Family Science and the Bachelor of Child and Family Studies Programs as proposed.

Reproduction of Current Calendar Entry	Proposed revision with changes underlined and deletions indicated clearly
The overall aim of the Department is to provide a liberal university education which draws from a broad academic base: the biological, physical and social sciences; humanities; and professional studies. The curriculum reflects current scientific knowledge in Foods and Nutrition, Family Science, and Kinesiology, disciplines which are concerned with improving the life conditions of individuals, families, and communities. DEGREE PROGRAMS The Department of Applied Human Sciences offers several programs of study. Family Science Programs/Certifications: Bachelor of Science with a Major in Family Science Bachelor of Child and Family Studies Provisional Certified Family Life Educator (CFLE) Minor in Family Science Foods and Nutrition Programs: Bachelor of Science with a Major in Foods and Nutrition Bachelor of Science with an Honours in Foods and Nutrition Minor in Foods and Nutrition Integrated Dietetic Internship Program Kinesiology Bachelor of Science with a Major in Kinesiology Family Science (Admission to this program has been suspended) REQUIREMENTS FOR A MAJOR IN FAMILY SCIENCE Students following this degree program must complete 42 semester hours of required courses in Family	The overall aim of the Department is to provide a liberal university education which draws from a broad academic base: the biological, physical and social sciences; humanities; and professional studies. The curriculum reflects current scientific knowledge in Foods and Nutrition~~, Family Science~~, and Kinesiology, disciplines which are concerned with improving the health ~~life conditions~~ of individuals, families, and communities. DEGREE PROGRAMS The Department of Applied Human Sciences offers several programs of study. ~~Family Science Programs/Certifications:~~ ~~Bachelor of Science with a Major in Family Science~~ ~~Bachelor of Child and Family Studies~~ ~~Provisional Certified Family Life Educator (CFLE)~~ ~~Minor in Family Science~~ Foods and Nutrition Programs: Bachelor of Science with a Major in Foods and Nutrition Bachelor of Science with an Honours in Foods and Nutrition Minor in Foods and Nutrition Integrated Dietetic Internship Program Bachelor of Science with a Major in Foods and Nutrition, Cooperative Education Kinesiology Bachelor of Science with a Major in Kinesiology ~~Family Science (Admission to this program has been suspended)~~ ~~REQUIREMENTS FOR A MAJOR IN FAMILY SCIENCE~~ ~~Students following this degree program must complete 42 semester hours of required courses in Family Science~~

CALENDAR & CURRICULUM CHANGE — Motion #10

Reproduction of Current Calendar Entry	Proposed revision with changes underlined and deletions indicated clearly
Science and 9 additional semester hours of credit in Foods and Nutrition. (NOTE: As per Academic Regulation #1 h), all undergraduate degree programs require successful completion of IKE-1040, one of UPEI-1010, 1020 or 1030, and a Writing Intensive Course.) REQUIRED COURSES FOR THE FAMILY SCIENCE MAJOR Family Science 1140 – Families in Contemporary Society 2210 – Family Resource Management 2410 – Human Development 2420 – Dynamics of Family Living 2610 – Communications 3310 – Introduction to Research Methods 3810 – Professional Practice with Children and Families 3820 – Program Planning and Evaluation 4110 – Field Placement I 4120 – Field Placement II Four Family Science electives at the 2nd, 3rd, or 4th year level Foods and Nutrition: Foods and Nutrition 1110 – Introductory Foods Foods and Nutrition 2110 – Introductory Nutrition I Foods and Nutrition 2120 – Introductory Nutrition II REQUIRED COURSES FROM OTHER DEPARTMENTS Mathematics 1110 – Finite Mathematics Statistics 1210 – Introductory Statistics Chemistry 1110 – General Chemistry I 1120 – General Chemistry II Biology 1220 – Human Physiology 1310 – Introduction to Cell and Molecular Biology UPEI courses and Writing Intensive Course	~~and 9 additional semester hours of credit in Foods and Nutrition. (NOTE: As per Academic Regulation #1 h), all undergraduate degree programs require successful completion of IKE-1040, one of UPEI-1010, 1020 or 1030, and a Writing Intensive Course.)~~ ~~REQUIRED COURSES FOR THE FAMILY SCIENCE MAJOR~~ ~~Family Science~~ ~~1140 – Families in Contemporary Society~~ ~~2210 – Family Resource Management~~ ~~2410 – Human Development~~ ~~2420 – Dynamics of Family Living~~ ~~2610 – Communications~~ ~~3310 – Introduction to Research Methods~~ ~~3810 – Professional Practice with Children and Families~~ ~~3820 – Program Planning and Evaluation~~ ~~4110 – Field Placement I~~ ~~4120 – Field Placement II~~ ~~Four Family Science electives at the 2nd, 3rd, or 4th year level~~ ~~Foods and Nutrition:~~ ~~Foods and Nutrition 1110 – Introductory Foods~~ ~~Foods and Nutrition 2110 – Introductory Nutrition I~~ ~~Foods and Nutrition 2120 – Introductory Nutrition II~~ ~~REQUIRED COURSES FROM OTHER DEPARTMENTS~~ ~~Mathematics~~ ~~1110 – Finite Mathematics~~ ~~Statistics~~ ~~1210 – Introductory Statistics~~ ~~Chemistry~~ ~~1110 – General Chemistry I~~ ~~1120 – General Chemistry II~~ ~~Biology~~ ~~1220 – Human Physiology~~ ~~1310 – Introduction to Cell and Molecular Biology~~ ~~UPEI courses and Writing Intensive Course~~

CALENDAR & CURRICULUM CHANGE — Motion #10

Reproduction of Current Calendar Entry	Proposed revision with changes underlined and deletions indicated clearly
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 AND IKE 1040 – Indigenous Teachings Social Sciences Two 3-semester hour courses from Psychology, Sociology or Anthropology Students are advised to consult with the Department Chair or their Faculty Advisor prior to registration. COURSE SEQUENCE Following is the usual sequence for completion of courses: First Year Foods and Nutrition 1110 – Introductory Foods Family Science 1140 – Families in Contemporary Society 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 Two Social Sciences One free elective Second Year Foods and Nutrition 2110 – Introductory Nutrition I Foods and Nutrition 2120 – Introductory Nutrition II Family Science 2210 – Family Resource Management Family Science 2410 – Human Development Family Science 2420 – Dynamics of Family Living Family Science 2610 – Communications Statistics 1210 – Introductory Statistics Biology 1220 – Human Physiology Two free electives Third Year Family Science 3310 – Introduction to Research Methods	~~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 AND~~ ~~IKE 1040 – Indigenous Teachings~~ ~~Social Sciences~~ ~~Two 3-semester hour courses from Psychology, Sociology or Anthropology~~ ~~Students are advised to consult with the Department Chair or their Faculty Advisor prior to registration.~~ ~~COURSE SEQUENCE~~ ~~Following is the usual sequence for completion of courses:~~ ~~First Year~~ ~~Foods and Nutrition 1110 – Introductory Foods~~ ~~Family Science 1140 – Families in Contemporary Society~~ ~~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~~ ~~Two Social Sciences~~ ~~One free elective~~ ~~Second Year~~ ~~Foods and Nutrition 2110 – Introductory Nutrition I~~ ~~Foods and Nutrition 2120 – Introductory Nutrition II~~ ~~Family Science 2210 – Family Resource Management~~ ~~Family Science 2410 – Human Development~~ ~~Family Science 2420 – Dynamics of Family Living~~ ~~Family Science 2610 – Communications~~ ~~Statistics 1210 – Introductory Statistics~~ ~~Biology 1220 – Human Physiology~~ ~~Two free electives~~ ~~Third Year~~

CALENDAR & CURRICULUM CHANGE — Motion #10

Reproduction of Current Calendar Entry	Proposed revision with changes underlined and deletions indicated clearly
Family Science 3810 – Professional Practice with Children and Families Family Science 3820 – Program Planning and Evaluation Two Family Science electives Five free electives Fourth Year Family Science 4110 – Field Placement I Family Science 4120 – Field Placement II Two Family Science electives Six free electives Child and Family Studies Admission to this program has been suspended The Bachelor of Child and Family Studies is a two-year post-diploma degree available to graduates of diploma programs in Early Childhood Education at Holland College or similar post-secondary institutions. Successful completion of a grade 12 math course (or an equivalent course) is strongly recommended. Students in the Bachelor of Child and Family Studies must complete a total of 60 semester hours at UPEI. REQUIRED COURSES FOR THE CHILD AND FAMILY STUDIES DEGREE Family Science 2210 – Family Resource Management Family Science 2410 – Human Development Family Science 2420 – Dynamics of Family Living Family Science 2610 – Communications Family Science 3310 – Introduction to Research Methods Family Science 3810 – Professional Practice with Children and Families Family Science 3820 – Program Planning and Evaluation Family Science 4110 – Field Placement I Family Science 4710 – Parent-Child Interaction One Family Science elective at the 2000, 3000 or 4000 level Math 1010 or 1110 – Elements of Mathematics or Finite Mathematics Statistics 1210 – Introductory Statistics One of UPEI 1010, 1020 or 1030 One writing intensive course Six free electives	~~Family Science 3310 – Introduction to Research Methods~~ ~~Family Science 3810 – Professional Practice with Children and Families~~ ~~Family Science 3820 – Program Planning and Evaluation~~ ~~Two Family Science electives~~ ~~Five free electives~~ ~~Fourth Year~~ ~~Family Science 4110 – Field Placement I~~ ~~Family Science 4120 – Field Placement II~~ ~~Two Family Science electives~~ ~~Six free electives~~ ~~Child and Family Studies~~ ~~Admission to this program has been suspended~~ ~~The Bachelor of Child and Family Studies is a two-year post-diploma degree available to graduates of diploma programs in Early Childhood Education at Holland College or similar post-secondary institutions. Successful completion of a grade 12 math course (or an equivalent course) is strongly recommended. Students in the Bachelor of Child and Family Studies must complete a total of 60 semester hours at UPEI.~~ ~~REQUIRED COURSES FOR THE CHILD AND FAMILY STUDIES DEGREE~~ ~~Family Science 2210 – Family Resource Management~~ ~~Family Science 2410 – Human Development~~ ~~Family Science 2420 – Dynamics of Family Living~~ ~~Family Science 2610 – Communications~~ ~~Family Science 3310 – Introduction to Research Methods~~ ~~Family Science 3810 – Professional Practice with Children and Families~~ ~~Family Science 3820 – Program Planning and Evaluation~~ ~~Family Science 4110 – Field Placement I~~ ~~Family Science 4710 – Parent-Child Interaction~~ ~~One Family Science elective at the 2000, 3000 or 4000 level~~ ~~Math 1010 or 1110 – Elements of Mathematics or Finite Mathematics~~ ~~Statistics 1210 – Introductory Statistics~~ ~~One of UPEI 1010, 1020 or 1030~~

CALENDAR & CURRICULUM CHANGE — Motion #10

Reproduction of Current Calendar Entry	Proposed revision with changes underlined and deletions indicated clearly
NOTES: Suggested electives for those planning to apply to the Bachelor of Education Program at UPEI are found under the Admissions for Bachelor of Education. COURSE SEQUENCE First Year Family Science 2210 – Family Resource Management Family Science 2410 – Human Development Family Science 2420 – Dynamics of Family Living Family Science 2610 – Communications Family Science 3810 – Professional Practice with Children and Families Family Science 3820 – Program Planning and Evaluation Math 1010 or 1110 – Elements of Mathematics or Finite Mathematics Statistics 1210 – Introductory Statistics One of UPEI 1010, 1020 or 1030 and a writing intensive course One free elective Second Year Family Science 3310 – Introduction to Research Methods Family Science 4110 – Field Placement I Family Science 4710 – Parent-Child Interaction One Family Science Elective at the 3000 or 4000 level Six free electives PROVISIONAL CERTIFICATION— NATIONAL COUNCIL ON FAMILY RELATIONS The Department of Applied Human Sciences is approved by the National Council on Family Relations to offer the course work in order for graduates from the Family Science and Child and Family Studies programs to apply for provisional certification as a Certified Family Life Educator (CFLE). CFLEs work in a variety of health and social service positions. In particular, CLFEs are prepared to work with individuals and families in the areas of prevention and education. Students interested in becoming a CFLE need to ensure that they have completed all of the required course work for their	~~One writing intensive course~~ ~~Six free electives~~ ~~NOTES:~~ ~~Suggested electives for those planning to apply to the Bachelor of Education Program at UPEI are found under the Admissions for Bachelor of Education.~~ ~~COURSE SEQUENCE~~ ~~First Year~~ ~~Family Science 2210 – Family Resource Management~~ ~~Family Science 2410 – Human Development~~ ~~Family Science 2420 – Dynamics of Family Living~~ ~~Family Science 2610 – Communications~~ ~~Family Science 3810 – Professional Practice with Children and Families~~ ~~Family Science 3820 – Program Planning and Evaluation~~ ~~Math 1010 or 1110 – Elements of Mathematics or Finite Mathematics~~ ~~Statistics 1210 – Introductory Statistics~~ ~~One of UPEI 1010, 1020 or 1030 and a writing intensive course~~ ~~One free elective~~ ~~Second Year~~ ~~Family Science 3310 – Introduction to Research Methods~~ ~~Family Science 4110 – Field Placement I~~ ~~Family Science 4710 – Parent-Child Interaction~~ ~~One Family Science Elective at the 3000 or 4000 level~~ ~~Six free electives~~ ~~PROVISIONAL CERTIFICATION— NATIONAL COUNCIL ON FAMILY RELATIONS~~ ~~The Department of Applied Human Sciences is approved by the National Council on Family Relations to offer the course work in order for graduates from the Family Science and Child and Family Studies programs to apply for provisional certification as a Certified Family Life Educator (CFLE). CFLEs work in a variety of health and social service positions. In particular, CLFEs are prepared to work with individuals and families in the areas of prevention and education. Students interested in becoming a CFLE need to ensure~~

CALENDAR & CURRICULUM CHANGE — Motion #10

Reproduction of Current Calendar Entry	Proposed revision with changes underlined and deletions indicated clearly
major in addition to completing the following Family Science electives: Family Science 3830 – Issues in Family Law and Social Policy Family Science 4710 – Parent-Child Interaction Family Science 4910 – Human Sexuality FAMILY SCIENCE MINOR (Admission to this program has been suspended) Students in the Minor Program in Family Science must complete a total of 21 semester hours of Family Science. This consists of 9 semester hours of required core courses and 12 semester hours of Family Science electives. Required: Family Science 1140 – Families in Contemporary Society Family Science 2210 – Family Resource Management Family Science 2420 – Dynamics of Family Living 12 additional hours of electives at the 2000, 3000 or 4000 level excluding: Family Science 3310 Family Science 3810 Family Science 4110 Family Science 4120 Students intending to complete a Minor in Family Science are advised to consult with the Chair of the Department of Applied Human Sciences to ensure that they have the required course prerequisites. A student majoring in Foods and Nutrition is eligible to pursue the Family Science Minor. NOTES REGARDING 1000-LEVEL FAMILY SCIENCE AND FOODS AND NUTRITION Foods and Nutrition 1110 and Family Science 1140 are introductory courses required for, but not restricted to, Foods and Nutrition and Family Science majors. A grade of at least 60% in Foods and Nutrition 1110 and Family Science 1140 is a prerequisite for all Foods and Nutrition and Family Science courses above the 1000 level. However, this course prerequisite may be waived with the permission of the Chair for individual courses.	~~that they have completed all of the required course work for their major in addition to completing the following Family Science electives:~~ ~~Family Science 3830 – Issues in Family Law and Social Policy~~ ~~Family Science 4710 – Parent-Child Interaction~~ ~~Family Science 4910 – Human Sexuality~~ ~~FAMILY SCIENCE MINOR (Admission to this program has been suspended)~~ ~~Students in the Minor Program in Family Science must complete a total of 21 semester hours of Family Science. This consists of 9 semester hours of required core courses and 12 semester hours of Family Science electives.~~ ~~Required:~~ ~~Family Science 1140 – Families in Contemporary Society~~ ~~Family Science 2210 – Family Resource Management~~ ~~Family Science 2420 – Dynamics of Family Living~~ ~~12 additional hours of electives at the 2000, 3000 or 4000 level excluding:~~ ~~Family Science 3310~~ ~~Family Science 3810~~ ~~Family Science 4110~~ ~~Family Science 4120~~ ~~Students intending to complete a Minor in Family Science are advised to consult with the Chair of the Department of Applied Human Sciences to ensure that they have the required course prerequisites. A student majoring in Foods and Nutrition is eligible to pursue the Family Science Minor.~~ ~~NOTES REGARDING 1000-LEVEL FAMILY SCIENCE AND FOODS AND NUTRITION~~ ~~Foods and Nutrition 1110 and Family Science 1140 are introductory courses required for, but not restricted to, Foods and Nutrition and Family Science majors. A grade of at least 60% in Foods and Nutrition 1110 and Family Science 1140 is a prerequisite for all Foods and Nutrition and Family Science courses above the 1000 level. However, this course prerequisite may be waived with the permission of the Chair for individual courses.~~

CALENDAR & CURRICULUM CHANGE — Motion #10

Reproduction of Current Calendar Entry	Proposed revision with changes underlined and deletions indicated clearly
Foods and Nutrition 1010 is a course designed primarily for non-Foods and Nutrition or Family Science majors who will not be taking advanced courses in Nutrition; however it will be accepted for credit as an elective in the Foods and Nutrition or Family Science majors programs. Credit will NOT be allowed for Foods and Nutrition 1010 if completed after Foods and Nutrition 2110. FAMILY SCIENCE COURSES 1140 FAMILIES IN CONTEMPORARY SOCIETY This course is an introduction to the study of families and contemporary issues facing today's families. Topics include changing family structures, current trends in Canadian families, the interaction of families with other systems, and theories used to study families. The course also includes an introduction to family life education including the philosophy, nature and purpose of family education. Three lecture hours Note: Bachelor of Child and Family Studies students are not able to credit Family Science 1140 as an elective. 2210 FAMILY RESOURCE MANAGEMENT This course is a study of the management process and how it relates to decision making and resource use by individuals and families. Topics include management history and theories; values and goals; resources; planning and decision making. The management of stress and fatigue, time, finances and environmental resources are also discussed. Students gain experience in the application of theory to a variety of individual and family managerial situations. PREREQUISITE: Family Science 1140 or a student in the Bachelor of Child and Family Studies Three lecture hours 2410 HUMAN DEVELOPMENT This course explores human development from conception to old age, including physical, cognitive, and psychological aspects. Topics include attachment across the lifespan; various theories used to study human development; gender; the aging process; and societal factors affecting human development. The reciprocal relationship between human development and their environments is emphasized. Cross-listed with Kinesiology 2410.	~~Foods and Nutrition 1010 is a course designed primarily for non-Foods and Nutrition or Family Science majors who will not be taking advanced courses in Nutrition; however it will be accepted for credit as an elective in the Foods and Nutrition or Family Science majors programs. Credit will NOT be allowed for Foods and Nutrition 1010 if completed after Foods and Nutrition 2110.~~ ~~FAMILY SCIENCE COURSES~~ ~~1140 FAMILIES IN CONTEMPORARY SOCIETY~~ ~~This course is an introduction to the study of families and contemporary issues facing today's families. Topics include changing family structures, current trends in Canadian families, the interaction of families with other systems, and theories used to study families. The course also includes an introduction to family life education including the philosophy, nature and purpose of family education.~~ ~~Three lecture hours~~ ~~Note: Bachelor of Child and Family Studies students are not able to credit Family Science 1140 as an elective.~~ ~~2210 FAMILY RESOURCE MANAGEMENT~~ ~~This course is a study of the management process and how it relates to decision making and resource use by individuals and families. Topics include management history and theories; values and goals; resources; planning and decision making. The management of stress and fatigue, time, finances and environmental resources are also discussed. Students gain experience in the application of theory to a variety of individual and family managerial situations.~~ ~~PREREQUISITE: Family Science 1140 or a student in the Bachelor of Child and Family Studies~~ ~~Three lecture hours~~ ~~2410 HUMAN DEVELOPMENT~~ ~~This course explores human development from conception to old age, including physical, cognitive, and psychological aspects. Topics include attachment across the lifespan; various theories used to study human development; gender; the aging process; and societal factors affecting human development. The reciprocal relationship between human development and their environments is emphasized.~~

CALENDAR & CURRICULUM CHANGE — Motion #10

Reproduction of Current Calendar Entry	Proposed revision with changes underlined and deletions indicated clearly
PREREQUISITE: Family Science 1140, a student in the Bachelor of Child and Family Studies or Kinesiology 1010 and admission to BSc Kinesiology program Three lecture hours NOTE: Credit will not be allowed for Family Science/Kinesiology 2410 if a student has already received credit for Psychology 2010 2420 DYNAMICS OF FAMILY LIVING This course examines the multiple realities of living in families. Using current theory and research in family science, it focuses on family diversity extending across history, gender, nationality, culture, and age. The course covers crucial issues such as family stress, later-life families, family violence, the work-family interface, parenting, and other areas of family living. The effects of legislation, and social economics and technical change on families are discussed. PREREQUISITE: Family Science 1140 or registration in the Child and Family Studies Program Three lecture hours 2430 SOCIAL PSYCHOLOGY (See Psychology 2420). 2440 PHILOSOPHIES OF LOVE AND SEXUALITY (See Philosophy 2420). 2610 COMMUNICATIONS This course is an introduction to the basic principles of communication. The course balances communication theory and research with skills acquisition and practice to help students communicate more effectively in a variety of professional settings. Students are provided with an opportunity to develop skills in interpersonal and group communication, public speaking, and interviewing. Cross-listed with Foods and Nutrition 2610 and Kinesiology 3610. PREREQUISITE: Student admitted to Foods and Nutrition, or Radiography, or Kinesiology OR granted permission of the instructor Three lecture hours and 3 hour laboratory 3050 ADOLESCENT DEVELOPMENT AND ADJUSTMENT	~~Cross-listed with Kinesiology 2410.~~ ~~PREREQUISITE: Family Science 1140, a student in the Bachelor of Child and Family Studies or Kinesiology 1010 and admission to BSc Kinesiology program~~ ~~Three lecture hours~~ ~~NOTE: Credit will not be allowed for Family Science/Kinesiology 2410 if a student has already received credit for Psychology 2010~~ ~~2420 DYNAMICS OF FAMILY LIVING~~ ~~This course examines the multiple realities of living in families. Using current theory and research in family science, it focuses on family diversity extending across history, gender, nationality, culture, and age. The course covers crucial issues such as family stress, later-life families, family violence, the work-family interface, parenting, and other areas of family living. The effects of legislation, and social economics and technical change on families are discussed.~~ ~~PREREQUISITE: Family Science 1140 or registration in the Child and Family Studies Program~~ ~~Three lecture hours~~ ~~2430 SOCIAL PSYCHOLOGY~~ ~~(See Psychology 2420).~~ ~~2440 PHILOSOPHIES OF LOVE AND SEXUALITY~~ ~~(See Philosophy 2420).~~ ~~2610 COMMUNICATIONS~~ ~~This course is an introduction to the basic principles of communication. The course balances communication theory and research with skills acquisition and practice to help students communicate more effectively in a variety of professional settings. Students are provided with an opportunity to develop skills in interpersonal and group communication, public speaking, and interviewing.~~ ~~Cross-listed with Foods and Nutrition 2610 and Kinesiology 3610.~~ ~~PREREQUISITE: Student admitted to Foods and Nutrition, or Radiography, or Kinesiology OR granted permission of the instructor~~ ~~Three lecture hours and 3 hour laboratory~~ ~~3050 ADOLESCENT DEVELOPMENT AND ADJUSTMENT~~

CALENDAR & CURRICULUM CHANGE — Motion #10

Reproduction of Current Calendar Entry	Proposed revision with changes underlined and deletions indicated clearly
(See Psychology 3050). 3080 CHILD DEVELOPMENT (See Psychology 3080). 3100 ADULT DEVELOPMENT (See Psychology 3090). 3090 SPECIAL TOPICS Creation of a course code for special topics offered by Family Science at the 3000 level. 3310 INTRODUCTION TO RESEARCH METHODS This course is an introduction to research intended to enable students to read critically and evaluate current research. Students are introduced to various types of research designs, research terminology, and the components of the research process. Cross-listed with Foods and Nutrition/Kinesiology 3310. PREREQUISITE: Statistics 1210. Preference for admission will be given to students registered in the Family Science, Foods and Nutrition, Child and Family Studies, Kinesiology or Radiography programs Three lecture hours 3440 INTIMATE RELATIONSHIPS (See Psychology 3420). 3540 KINSHIP AND FAMILY (See Anthropology 3520). 3530 PROGRAMS AND SERVICES FOR OLDER ADULTS AND CAREGIVERS This course is an examination of the diverse array of programs and services designed for older adults, and caregivers of older adults, from a legislative, consumer, and provider perspective. Students will gain insight into these programs and services including their place in the array of services for older adults and the implications of such programs and services for older adults, caregivers, and society. PREREQUISITE: Family Science 1140 Three lecture hours 3610 CURRENT ISSUES IN CHILDREN'S HEALTH AND DEVELOPMENT	~~(See Psychology 3050).~~ ~~3080 CHILD DEVELOPMENT~~ ~~(See Psychology 3080).~~ ~~3100 ADULT DEVELOPMENT~~ ~~(See Psychology 3090).~~ ~~3090 SPECIAL TOPICS~~ ~~Creation of a course code for special topics offered by Family Science at the 3000 level.~~ ~~3310 INTRODUCTION TO RESEARCH METHODS~~ ~~This course is an introduction to research intended to enable students to read critically and evaluate current research. Students are introduced to various types of research designs, research terminology, and the components of the research process.~~ ~~Cross-listed with Foods and Nutrition/Kinesiology 3310.~~ ~~PREREQUISITE: Statistics 1210. Preference for admission will be given to students registered in the Family Science, Foods and Nutrition, Child and Family Studies, Kinesiology or Radiography programs~~ ~~Three lecture hours~~ ~~3440 INTIMATE RELATIONSHIPS~~ ~~(See Psychology 3420).~~ ~~3540 KINSHIP AND FAMILY~~ ~~(See Anthropology 3520).~~ ~~3530 PROGRAMS AND SERVICES FOR OLDER ADULTS AND CAREGIVERS~~ ~~This course is an examination of the diverse array of programs and services designed for older adults, and caregivers of older adults, from a legislative, consumer, and provider perspective. Students will gain insight into these programs and services including their place in the array of services for older adults and the implications of such programs and services for older adults, caregivers, and society.~~ ~~PREREQUISITE: Family Science 1140~~ ~~Three lecture hours~~ ~~3610 CURRENT ISSUES IN CHILDREN'S HEALTH AND DEVELOPMENT~~

CALENDAR & CURRICULUM CHANGE — Motion #10

Reproduction of Current Calendar Entry	Proposed revision with changes underlined and deletions indicated clearly
This course is an advanced study of current issues and research in children's health and development in a family context. Emphasis is placed on the promotion of healthy behaviours and development of children by exploring the linkages between research, policy, and practice. PREREQUISITE: Family Science 2410 or permission of the instructor 3620 FAMILY VIOLENCE This course will examine the history and various definitions and theories used in investigating the problem of family violence across the life span (i.e. children in abusive families, dating violence, intimate partner violence, the abuse of older adults). Emphasis will be placed on violence against women and violence in diverse family forms. A particular emphasis will be placed on examining strategies for the prevention of family violence over the life course. PREREQUISITE: Family Science 2420 or permission of the instructor Three lecture hours 3810 PROFESSIONAL PRACTICE WITH CHILDREN AND FAMILIES This course is designed to inform students of the range of professional practice issues confronted by helping professionals working with children, youth, adults and their families. The complexities of working with diverse populations with regard to professional ethics, standards of practice and advocacy are examined. Additional topics include: managing the field placement experience, professional roles, peer learning, reflective practice and portfolio development. Students gain experience in areas of professional practice with children, youth, adults of all ages, and their families through a field placement experience. PREREQUISITE: Third year standing in Family Science or Child and Family Studies Three lecture hours for first 4 weeks; for balance of semester, 1 lecture hour per week and 32 hours field placement. 3820 PROGRAM PLANNING AND EVALUATION In this course, students develop competency in planning, implementing, and evaluating programs for health promotion and family education. Topics	~~This course is an advanced study of current issues and research in children's health and development in a family context. Emphasis is placed on the promotion of healthy behaviours and development of children by exploring the linkages between research, policy, and practice.~~ ~~PREREQUISITE: Family Science 2410 or permission of the instructor~~ ~~3620 FAMILY VIOLENCE~~ ~~This course will examine the history and various definitions and theories used in investigating the problem of family violence across the life span (i.e. children in abusive families, dating violence, intimate partner violence, the abuse of older adults). Emphasis will be placed on violence against women and violence in diverse family forms. A particular emphasis will be placed on examining strategies for the prevention of family violence over the life course.~~ ~~PREREQUISITE: Family Science 2420 or permission of the instructor~~ ~~Three lecture hours~~ ~~3810 PROFESSIONAL PRACTICE WITH CHILDREN AND FAMILIES~~ ~~This course is designed to inform students of the range of professional practice issues confronted by helping professionals working with children, youth, adults and their families. The complexities of working with diverse populations with regard to professional ethics, standards of practice and advocacy are examined. Additional topics include: managing the field placement experience, professional roles, peer learning, reflective practice and portfolio development. Students gain experience in areas of professional practice with children, youth, adults of all ages, and their families through a field placement experience.~~ ~~PREREQUISITE: Third year standing in Family Science or Child and Family Studies~~ ~~Three lecture hours for first 4 weeks; for balance of semester, 1 lecture hour per week and 32 hours field placement.~~ ~~3820 PROGRAM PLANNING AND EVALUATION~~ ~~In this course, students develop competency in planning, implementing, and evaluating programs for health promotion and family education. Topics include theories and models commonly used for program~~

Reproduction of Current Calendar Entry	Proposed revision with changes underlined and deletions indicated clearly
include theories and models commonly used for program planning and behaviour change, assessing needs, selecting appropriate intervention strategies, identification and allocation of resources, the marketing process, and evaluation models and design. PREREQUISITE: Family Science 3810 or permission of the instructor Three lecture hours per week and the development, implementation and evaluation of a program. 3830 ISSUES IN FAMILY LAW AND SOCIAL POLICY This course is a study of how public policy shapes the context in which families live, and, in turn, influences human and family development. Topics include the relationship between family functioning and public policies at the local, provincial, and federal levels; the influence of demographic changes, values, attitudes, and perceptions of the well-being of children and families on public policy debates; the effectiveness of policies and programs from a family perspective; the policy making process; and the different roles professionals play in influencing policy development. Special attention is given to the consequences of various policies on current family issues. PREREQUISITE: Family Science 2420 or permission of the instructor Three lecture hours 3840 WOMEN, ECONOMICS AND THE ECONOMY (See Economics 3810). 3950 GENDER AND VIOLENCE (See Psychology 3950). 4090 SPECIAL TOPICS Creation of a course code for special topics offered by Family Science at the 4000 level. 4110 FIELD PLACEMENT I This course provides an opportunity for students to integrate theory into practice through practical use of the knowledge and skills acquired in the classroom. Students participate in service provision at a community agency where they will test their attitudes and abilities to work with people, grow in self-awareness, as well as learn and develop helping and	~~planning and behaviour change, assessing needs, selecting appropriate intervention strategies, identification and allocation of resources, the marketing process, and evaluation models and design.~~ ~~PREREQUISITE: Family Science 3810 or permission of the instructor~~ ~~Three lecture hours per week and the development, implementation and evaluation of a program.~~ ~~3830 ISSUES IN FAMILY LAW AND SOCIAL POLICY~~ ~~This course is a study of how public policy shapes the context in which families live, and, in turn, influences human and family development. Topics include the relationship between family functioning and public policies at the local, provincial, and federal levels; the influence of demographic changes, values, attitudes, and perceptions of the well-being of children and families on public policy debates; the effectiveness of policies and programs from a family perspective; the policy making process; and the different roles professionals play in influencing policy development. Special attention is given to the consequences of various policies on current family issues.~~ ~~PREREQUISITE: Family Science 2420 or permission of the instructor~~ ~~Three lecture hours~~ ~~3840 WOMEN, ECONOMICS AND THE ECONOMY~~ ~~(See Economics 3810).~~ ~~3950 GENDER AND VIOLENCE~~ ~~(See Psychology 3950).~~ ~~4090 SPECIAL TOPICS~~ ~~Creation of a course code for special topics offered by Family Science at the 4000 level.~~ ~~4110 FIELD PLACEMENT I~~ ~~This course provides an opportunity for students to integrate theory into practice through practical use of the knowledge and skills acquired in the classroom. Students participate in service provision at a community agency where they will test their attitudes and abilities to work with people, grow in self-awareness, as well as learn and develop helping and administrative skills. Through observation, practice,~~

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Reproduction of Current Calendar Entry	Proposed revision with changes underlined and deletions indicated clearly
administrative skills. Through observation, practice, and reflection, students study and write about family science and professional practice issues relevant to their field placement. PREREQUISITES: Family Science 3810, 3820 and fourth year standing in Family Science or Child and Family Studies. Two lecture hours per week and 80 hours of field placement 4120 FIELD PLACEMENT II This course is a continuation of Family Science 4110 and provides an opportunity for students to integrate theory into practice through practical use of the knowledge and skills acquired in the classroom. Students participate in service provision at a community agency where they will test their attitudes and abilities to work with people, grow in self-awareness, as well as learn and develop helping and administrative skills. Through observation, practice, and reflection, students study and write about family science and professional practice issues relevant to their field placement. PREREQUISITE: Family Science 4110 Two lecture hours per week and 80 hours of field placement 4310 EVIDENCE-BASED PRACTICE IN THE HEALTH SCIENCES (See Foods & Nutrition 4310). 4400 SENIOR UNDERGRADUATE RESEARCH PROJECT This course allows senior students majoring in Family Science to carry out a full-year research project under the supervision of a faculty member. Entry to this course is contingent upon the student finding a departmental faculty member willing to supervise the research and permission of the department. PREREQUISITE: Fourth year standing in the Family Science or Child and Family Studies programs Six semester hours of credit 4410/4420 DIRECTED STUDIES IN FAMILY SCIENCE (See Academic Regulation 9 for Regulations Governing Directed Studies.)	~~and reflection, students study and write about family science and professional practice issues relevant to their field placement.~~ ~~PREREQUISITES: Family Science 3810, 3820 and fourth year standing in Family Science or Child and Family Studies.~~ ~~Two lecture hours per week and 80 hours of field placement~~ ~~4120 FIELD PLACEMENT II~~ ~~This course is a continuation of Family Science~~ ~~4110 and provides an opportunity for students to integrate theory into practice through practical use of the knowledge and skills acquired in the classroom. Students participate in service provision at a community agency where they will test their attitudes and abilities to work with people, grow in self-awareness, as well as learn and develop helping and administrative skills. Through observation, practice, and reflection, students study and write about family science and professional practice issues relevant to their field placement.~~ ~~PREREQUISITE: Family Science 4110~~ ~~Two lecture hours per week and 80 hours of field placement~~ ~~4310 EVIDENCE-BASED PRACTICE IN THE HEALTH SCIENCES~~ ~~(See Foods & Nutrition 4310).~~ ~~4400 SENIOR UNDERGRADUATE RESEARCH PROJECT~~ ~~This course allows senior students majoring in Family Science to carry out a full-year research project under the supervision of a faculty member. Entry to this course is contingent upon the student finding a departmental faculty member willing to supervise the research and permission of the department.~~ ~~PREREQUISITE: Fourth year standing in the Family Science or Child and Family Studies programs~~ ~~Six semester hours of credit~~ ~~4410/4420 DIRECTED STUDIES IN FAMILY SCIENCE~~ ~~(See Academic Regulation 9 for Regulations Governing Directed Studies.)~~ ~~4510 WOMEN AND AGING~~

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Reproduction of Current Calendar Entry	Proposed revision with changes underlined and deletions indicated clearly
4510 WOMEN AND AGING This course examines older women's diverse experiences in today's families and in the world as homemakers, wives/partners, mothers, caregivers, and as paid and unpaid workers. Family studies scholarship is examined critically for various themes such as the social construction of gender and validation of family diversity. The contradictory nature of the family as source of venue for control and oppression versus support, validation, and empowerment is also explored. Cross-listed with Diversity and Social Justice Studies 4510. PREREQUISITE: Family Science 2420 or at least one introductory Diversity and Social Justice Studies course Three lecture hours 4710 PARENT-CHILD INTERACTION This course is a study of the developmental nature of parenting throughout the life cycle from birth through aging, with emphasis on the reciprocal nature of parent-child interactions. It includes parenting in various family structures, in various lifestyles, in high-risk families, in families with exceptional children, and in families from diverse cultures. Alternative approaches to parenting (e.g. adoption and assisted reproduction) are discussed. Contemporary strategies for parent guidance and education are introduced. PREREQUISITE: Family Science/Kinesiology 2410 Three lecture hours 4910 HUMAN SEXUALITY This course is an examination of the psychological, social, and physiological aspects of sexual development throughout life. Aspects of human sexuality including reproduction, influence on relationships, gender issues, sexual orientation, sexually transmitted diseases, sexual values and decision-making are covered. Students examine current sexuality education methodologies. Implications for future trends in human interaction are analyzed. PREREQUISITE: Family Science 2420 or permission of the instructor Three lecture hours	~~This course examines older women's diverse experiences in today's families and in the world as homemakers, wives/partners, mothers, caregivers, and as paid and unpaid workers. Family studies scholarship is examined critically for various themes such as the social construction of gender and validation of family diversity. The contradictory nature of the family as source of venue for control and oppression versus support, validation, and empowerment is also explored. Cross-listed with Diversity and Social Justice Studies 4510.~~ ~~PREREQUISITE: Family Science 2420 or at least one introductory Diversity and Social Justice Studies course~~ ~~Three lecture hours~~ ~~4710 PARENT-CHILD INTERACTION~~ ~~This course is a study of the developmental nature of parenting throughout the life cycle from birth through aging, with emphasis on the reciprocal nature of parent-child interactions. It includes parenting in various family structures, in various lifestyles, in high-risk families, in families with exceptional children, and in families from diverse cultures. Alternative approaches to parenting (e.g. adoption and assisted reproduction) are discussed. Contemporary strategies for parent guidance and education are introduced.~~ ~~PREREQUISITE: Family Science/Kinesiology 2410~~ ~~Three lecture hours~~ ~~4910 HUMAN SEXUALITY~~ ~~This course is an examination of the psychological, social, and physiological aspects of sexual development throughout life. Aspects of human sexuality including reproduction, influence on relationships, gender issues, sexual orientation, sexually transmitted diseases, sexual values and decision-making are covered. Students examine current sexuality education methodologies. Implications for future trends in human interaction are analyzed.~~ ~~PREREQUISITE: Family Science 2420 or permission of the instructor~~ ~~Three lecture hours~~

CALENDAR & CURRICULUM CHANGE — Motion #10

Rationale for Change: Admission to the Family Science, and Bachelor of Child and Family Studies Programs, were suspended. The programs have been discontinued. This calendar change removes these discontinued programs from the academic calendar.

Effective Term: FALL 2023

Implications for Other Programs: No other implications for other programs.

Impact on Students Currently Enrolled: Enrollment was suspended. There are no enrolled majors in this program.

Authorization	***Date:***
Departmental Approval: Rebecca Reed-Jones	September 1, 2022
Faculty/School Approval: Science Council	September 23, 2022
Faculty Dean's Approval: Nola Etkin	September 23, 2022
Grad. Studies Dean's Approval: N/A	N/A
Registrar's Office Approval: Darcy McCardle	January 11, 2023

CALENDAR & CURRICULUM CHANGE — Motion #11

Revision is for a: **Calendar Entry Change**
Faculty/School/Department: **Science**
Department/Program(s)/Academic Regulations: **Applied Human Sciences**
MOTION: To add IKE-1040 Indigenous Teachings of Turtle Island to the course requirements for the Foods and Nutrition Program, Foods and Nutrition Honours and Dietetic Internship and amend the course sequences as proposed.

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. **(NOTE: As per Academic Regulation #1 h), all undergraduate degree programs require successful completion of IKE-1040, one of UPEI-1010, 1020 or 1030, and a Writing Intensive Course.)** **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 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**	**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. **(NOTE: As per Academic Regulation #1 h), all undergraduate degree programs require successful completion of IKE-1040, one of UPEI-1010, 1020 or 1030, and a Writing Intensive Course.)** **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 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**

CALENDAR & CURRICULUM CHANGE — Motion #11

Mathematics 1110 – Finite Mathematics or 1120 Calculus for the Managerial, Social and Life Sciences ***Statistics*** 1210 – Introductory Statistics ***Chemistry*** 1110 – General Chemistry I 1120 – General Chemistry II 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:	***Mathematics*** 1110 – Finite Mathematics or 1120 Calculus for the Managerial, Social and Life Sciences ***Statistics*** 1210 – Introductory Statistics ***Chemistry*** 1110 – General Chemistry I 1120 – General Chemistry II 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 ***Indigenous Studies*** 1040 – Indigenous Teachings of Turtle Island ***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:

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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 **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 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	**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~~ One 3 semester hour~~s~~ Social Science IKE 1040 – Indigenous Teachings of Turtle Island **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 ~~One free elective~~ One 3 semester hour Social Science **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

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 Two 3 semester hours Social Science **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	One Foods and Nutrition elective at the 3000 or 4000 level 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 Two 3 semester hours Social Science IKE 1040 – Indigenous Teachings of Turtle Island **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

Statistics 1210 – Introductory Statistics Two free electives **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 3820 – Program Planning & Evaluation Foods and Nutrition 3830 – Professional Practice in Dietetics Chemistry 3530 – Biochemistry Two free electives **Fourth Year** Foods and Nutrition 3710 – Lifespan Nutrition 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 Four free electives **REQUIREMENTS FOR HONOURS PROGRAM IN FOODS AND NUTRITION** The Honours program in Foods and Nutrition is designed to provide research experience at the undergraduate level within the BSc Program. It is available to students with a strong academic background who intend to continue studies at the post graduate level in Foods and Nutrition or related field, or to students who intend to pursue a career where research experience would be an asset. The Honours program differs from the major in requiring a two-semester research course with thesis report for a total of 126 semester hours for the degree. The research component is to be completed within the BSc program and	Chemistry 2430 – Organic Chemistry for the Life Sciences Statistics 1210 – Introductory Statistics Two free electives **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 3820 – Program Planning & Evaluation Foods and Nutrition 3830 – Professional Practice in Dietetics Chemistry 3530 – Biochemistry Two free electives **Fourth Year** Foods and Nutrition 3710 – Lifespan Nutrition 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 Four free electives **REQUIREMENTS FOR HONOURS PROGRAM IN FOODS AND NUTRITION** The Honours program in Foods and Nutrition is designed to provide research experience at the undergraduate level within the BSc Program. It is available to students with a strong academic background who intend to continue studies at the post graduate level in Foods and Nutrition or related field, or to students who intend to pursue a career where research experience would be an asset. The Honours program differs from the major in requiring a two-semester research course with thesis

may require one summer (four months) preceding the graduating year. Evaluation of the research data and writing of the thesis would normally be done during the fall and/or spring session in Foods and Nutrition 4900: Advanced Research and Thesis. The following are the course requirements for the Honours program in Foods and Nutrition. **First Year** Foods and Nutrition 1010 – Concepts and Controversies in Nutrition Chemistry 1110-1120 – General Chemistry I and II Math 1110 **OR** 1120 – Finite Mathematics or Calculus for the Managerial, Social and Life Sciences Biology 1220 – Human Physiology Biology 1310 – Introduction to Cell and Molecular Biology One of UPEI 1010, 1020 or 1030 Two 3 semester hours Social Science One free elective **Second Year** Foods and Nutrition 2110-2120 – Introductory Nutrition I and II Foods and Nutrition 2230 – Determinants of Dietary Behaviour Foods and Nutrition 2610 – Communications Foods and Nutrition 2810 – Introductory Foods Chemistry 2430 – Organic Chemistry for the Life Sciences Biology 2060 – Microbiology Statistics 1210 – Introductory Statistics Business 1710 – Organizational Behaviour One free elective **Third Year** Foods and Nutrition 3020 – Advanced Foods Foods and Nutrition 3310 – Introduction in Research Methods Foods and Nutrition 3510 – Nutritional Assessment Foods and Nutrition 3520 – Clinical Nutrition I Foods and Nutrition 3820 – Program Planning and Evaluation Chemistry 3530 – Biochemistry Four free electives	report for a total of 126 semester hours for the degree. The research component is to be completed within the BSc program and may require one summer (four months) preceding the graduating year. Evaluation of the research data and writing of the thesis would normally be done during the fall and/or spring session in Foods and Nutrition 4900: Advanced Research and Thesis. The following are the course requirements for the Honours program in Foods and Nutrition. **First Year** Foods and Nutrition 1010 – Concepts and Controversies in Nutrition Chemistry 1110-1120 – General Chemistry I and II Math 1110 **OR** 1120 – Finite Mathematics or Calculus for the Managerial, Social and Life Sciences Biology 1220 – Human Physiology Biology 1310 – Introduction to Cell and Molecular Biology One of UPEI 1010, 1020 or 1030 Two 3 semester hours Social Science ~~One free elective~~ IKE 1040 – Indigenous Teachings of Turtle Island **Second Year** Foods and Nutrition 2110-2120 – Introductory Nutrition I and II Foods and Nutrition 2230 – Determinants of Dietary Behaviour Foods and Nutrition 2610 – Communications Foods and Nutrition 2810 – Introductory Foods Chemistry 2430 – Organic Chemistry for the Life Sciences Biology 2060 – Microbiology Statistics 1210 – Introductory Statistics Business 1710 – Organizational Behaviour One free elective **Third Year** Foods and Nutrition 3020 – Advanced Foods Foods and Nutrition 3310 – Introduction in Research Methods Foods and Nutrition 3510 – Nutritional Assessment Foods and Nutrition 3520 – Clinical Nutrition I Foods and Nutrition 3820 – Program Planning and Evaluation

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Fourth Year Foods and Nutrition 4120 – Human Metabolism Foods and Nutrition 4340 – Community Nutrition Foods and Nutrition 4900 – Advanced Research and Thesis One Foods and Nutrition elective at the 3000 or 4000 level Four free electives	Chemistry 3530 – Biochemistry Four free electives **Fourth Year** Foods and Nutrition 4120 – Human Metabolism Foods and Nutrition 4340 – Community Nutrition Foods and Nutrition 4900 – Advanced Research and Thesis One Foods and Nutrition elective at the 3000 or 4000 level Four free electives

Rationale for Change: IKE 1040 is now a required course for all UPEI students.

Effective Term: FALL 2023 **Implications for Other Programs:** None.

Impact on Students Currently Enrolled: Students beginning the Foods and Nutrition program in Fall 2023 must take this required course.

Authorization	***Date:***
Departmental Approval: Rebecca Reed Jones	September 9, 2022
Faculty/School Approval: Science Council	September 23, 2022
Faculty Dean's Approval: Nola Etkin	September 23, 2022
Grad. Studies Dean's Approval: N/A	N/A
Registrar's Office Approval: Darcy McCardle	January 11, 2023

CALENDAR & CURRICULUM CHANGE — Motion #12

Revision is for a**: Pre-requisite Addition/Change**
Faculty/School/Department: **Science**
Department/Program(s)/Academic Regulations: **Applied Human Sciences**
MOTION: To have the change in course description and prerequisite for FN 2230 Determinants of Dietary Behaviour be approved as proposed.

Reproduction of Current Calendar Entry	Proposed revision with changes underlined and deletions indicated clearly
2230 DETERMINANTS OF DIETARY BEHAVIOUR This course studies the factors influencing human dietary behaviour and ultimately nutritional health. Topics include the food system, development of food preferences, food and culture, school food issues, food insecurity, food and the media, and sensory influences on dietary behaviour. PREREQUISITES: Foods and Nutrition 1010 or 2110 or permission of the instructor Three lecture hours	2230 DETERMINANTS OF DIETARY BEHAVIOUR This course studies the factors influencing human dietary behaviour and ultimately nutritional health. Topics include the food system, development of food preferences, food and culture, school food issues, food insecurity, food marketing ~~and the media~~, and sensory influences on dietary behaviour. PREREQUISITE~~S~~: Foods and Nutrition ~~1010 or~~ 2110 Three lecture hours

Rationale for Change: Course description reflects current terminology. Students who take FN 1010 rather than 2110 are not adequately prepared for this course.

Effective Term: FALL 2023

Implications for Other Programs: None.

Impact on Students Currently Enrolled: None.

Authorization ***Date:***

Departmental Approval: Rebecca Reed Jones	September 9, 2022
Faculty/School Approval: Science Council	September 23, 2022
Faculty Dean's Approval: Nola Etkin	September 23, 2022
Grad. Studies Dean's Approval: N/A	N/A
Registrar's Office Approval: Darcy McCardle	January 11, 2023

CALENDAR & CURRICULUM CHANGE — Motion #13

Revision is for a: **Course Description Change**
Faculty/School/Department: **Science**
Department/Program(s)/Academic Regulations: **Applied Human Sciences**
MOTION: To have the course description, cross-listing and prerequisite for FN 2610 Communications be revised as proposed.

FN 2610 COMMUNICATIONS This course is an introduction to the basic principles of communication. The course balances communication theory and research with skills acquisition and practice to help students communicate more effectively in a variety of professional settings. Students are provided with an opportunity to develop skills in professional, interpersonal and group communication, public speaking, interviewing, and using mass media. Cross-listed with Foods and Nutrition 2610 and Kinesiology 3610. PREREQUISITE: Student admitted to Foods and Nutrition, or Radiography, or Kinesiology OR granted permission of the instructor Three lecture hours and 3 hour laboratory	**FN 2610 COMMUNICATIONS** This course is an introduction to the basic principles of communication for health professionals. The course balances communication theory ~~and research~~ with skills acquisition and practice to ~~help~~ enable students to communicate more effectively in a variety of professional settings. Students are provided with an opportunity to develop skills in ~~professional,~~ interpersonal and group communication, delivering effective oral presentations ~~public speaking~~, active listening and conflict management ~~interviewing, and using mass media~~. Cross-listed with ~~Foods and Nutrition 2610 and~~ Kinesiology 3610. PREREQUISITE: Student must be admitted to Foods and Nutrition, or Radiography, or Kinesiology programs ~~OR granted permission of the instructor~~ Three lecture hours ~~and 3 hour laboratory~~

Rationale for Change: Description reflects current practice- this course does not have a laboratory. Removing permission of the instructor as there are a lot of requests that cannot be accommodated. This course should be listed under FN courses (it was listed under the Family Science course, which is now discontinued). Required competency areas for accreditation have been added to the description.

Effective Term: FALL 2023

Implications for Other Programs: None.

Impact on Students Currently Enrolled: No impact. The description reflects current course content.

Authorization	***Date:***
Departmental Approval: Rebecca Reed Jones	September 9, 2022
Faculty/School Approval: Science Council	September 23, 2022
Faculty Dean's Approval: Nola Etkin	September 23, 2022
Grad. Studies Dean's Approval: N/A	N/A
Registrar's Office Approval: Darcy McCardle	January 11, 2023

CALENDAR & CURRICULUM CHANGE — Motion #14

Revision is for a: **Pre-requisite Addition/Change**
Faculty/School/Department: **Science**
Department/Program(s)/Academic Regulations: **Applied Human Sciences**
MOTION: To revise the prerequisite for FN 3020 Advanced Foods as proposed.

FN 3020 ADVANCED FOODS This course is an advanced study of the physical, chemical, and biological properties of foods through food experimentation; objective and subjective testing of food attributes with emphasis on sensory analysis; and principles of research methodology as applied to foods. Current trends are discussed. A product development project is required. **Prerequisites:** Chemistry 1120, Foods and Nutrition 1110, and Foods and Nutrition 3310 or Family Science 3310 or Kinesiology 3310 or permission of instructor Three lecture hours, three-hour laboratory	**FN 3020 ADVANCED FOODS** This course is an advanced study of the physical, chemical, and biological properties of foods through food experimentation; objective and subjective testing of food attributes with emphasis on sensory analysis; and principles of research methodology as applied to foods. Current trends are discussed. A product development project is required. **Prerequisites:** Chemistry 1120~~, Foods and Nutrition 1110~~ Foods and Nutrition 2810, and Foods and Nutrition 3310 ~~or Family Science 3310~~ or Kinesiology 3310 or permission of instructor Three lecture hours, three-hour laboratory

Rationale for Change: FN 1110 no longer exists. FN 2810 replaced FN 1110. This requisite change updates the course description with the correct course.

Effective Term: FALL 2023

Implications for Other Programs: None

Impact on Students Currently Enrolled: None

Authorization	***Date:***
Departmental Approval: Rebecca Reed-Jones	September 2, 2022
Faculty/School Approval: Science Council	September 23, 2022
Faculty Dean's Approval: Nola Etkin	September 23, 2022
Grad. Studies Dean's Approval: N/A	N/A
Registrar's Office Approval: Darcy McCardle	January 11, 2023

CALENDAR & CURRICULUM CHANGE — Motion #15

Revision is for a: **Course Description Change**
Faculty/School/Department: **Science**
Department/Program(s)/Academic Regulations: **Applied Human Sciences**
MOTION: To revised the course description and add a laboratory section for FN 3510 Nutritional Assessment as proposed.

Reproduction of Current Calendar Entry	Proposed revision with changes underlined and deletions indicated clearly
FN 3510 NUTRITIONAL ASSESSMENT This course is an advanced study of current issues in nutrition assessment. Topics include dietary, anthropometric, laboratory and clinical methods currently in use to assess nutritional status at the population and individual level; challenges in interpreting nutritional assessment data; and nutrition counselling. PREREQUISITES: Foods and Nutrition 2120 or permission of the instructor Three lecture hours	**FN 3510 NUTRITIONAL ASSESSMENT** This course is an advanced study of current issues in nutrition assessment. Topics include dietary, anthropometric, laboratory and clinical methods currently in use to assess nutritional status at the population and individual level; nutrition diagnosis; challenges in interpreting nutritional assessment data; and nutrition counselling. PREREQUISITES: Foods and Nutrition 2120 or permission of the instructor Three lecture hours, three hours laboratory

Rationale for Change: When it was first offered, this course had a laboratory section; this was discontinued on the assumption that there was sufficient time for skills development within the lecture component of the course. However, with increasing demands to meet new national competencies in dietetics, there is insufficient time to allow students to develop necessary skills in assessment and counseling. The majority of foods and nutrition programs in Canada have a laboratory component for similar courses.

Effective Term: FALL 2023

Implications for Other Programs: None.

Impact on Students Currently Enrolled: Students who are enrolled in the Fall of 2022 will not have a laboratory; efforts will be made to ensure students get sufficient time for skills development. This will be provided to students registering in the Fall of 2023.

Authorization	***Date:***
Departmental Approval: Rebecca Reed Jones	September 9, 2022
Faculty/School Approval: Science Council	September 23, 2022
Faculty Dean's Approval: Nola Etkin	September 23, 2022
Grad. Studies Dean's Approval: N/A	N/A
Registrar's Office Approval: Darcy McCardle	January 11, 2023

CALENDAR & CURRICULUM CHANGE — Motion #16

Revision is for a: **Course Description Change**
Faculty/School/Department: **Science**
Department/Program(s)/Academic Regulations: **Applied Human Sciences**
MOTION: To have the change in the course description for FN 3520 Clinical Nutrition I be approved as proposed.

Reproduction of Current Calendar Entry	Proposed revision with changes underlined and deletions indicated clearly
3520 CLINICAL NUTRITION I This course introduces the nutrition care process and the fundamentals of the pathophysiology and nutritional management of chronic diseases such as diabetes, cardiovascular disease, and disorders of energy balance. Monitoring of nutritional status, the development, implementation, and evaluation of nutrition care plans, medical terminology and drug-nutrient interactions are also discussed. PREREQUISITE: Foods and Nutrition 3510 and Biology 1220 Three lecture hours	**3520 CLINICAL NUTRITION I** This course introduces the nutrition care process and the fundamentals of the pathophysiology and ~~nutritional management~~ medical nutrition therapy for treatment of chronic diseases such as diabetes, cardiovascular disease, diseases of the gastrointestinal tract and disorders of energy balance. Monitoring of nutritional status, the development, implementation, and evaluation of nutrition care plans, medical terminology and drug-nutrient interactions are also discussed. PREREQUISITE: Foods and Nutrition 3510 and Biology 1220 Three lecture hours

Rationale for Change: Reflects current practice.

Effective Term: FALL 2023

Implications for Other Programs: None.

Impact on Students Currently Enrolled: None.

Authorization	***Date:***
Departmental Approval: Rebecca Reed Jones	September 9, 2022
Faculty/School Approval: Science Council	September 23, 2022
Faculty Dean's Approval: Nola Etkin	September 23, 2022
Grad. Studies Dean's Approval: N/A	N/A
Registrar's Office Approval: Darcy McCardle	January 11, 2023

CALENDAR & CURRICULUM CHANGE — Motion #17

Revision is for a: **Pre-requisite Addition/Change**
Faculty/School/Department: **Science**
Department/Program(s)/Academic Regulations: **Applied Human Sciences**
MOTION: To have the change in prerequisite and change in course description for FN 3710 Lifespan Nutrition be approved as proposed.

Reproduction of Current Calendar Entry	Proposed revision with changes underlined and deletions indicated clearly
3710 LIFESPAN NUTRITION This course builds on Introductory Nutrition by exploring in depth the nutritional foundations necessary for growth, development, normal functioning, and disease prevention at various stages of the life cycle. The impact of nutritional deficiencies and excesses on the body at various life stages will also be studied. PREREQUISITES: Foods and Nutrition 1010 or 1020 or 2110, or permission of the instructor Three semester hours	**3710 LIFESPAN NUTRITION** This course builds on FN 2120 Introductory Nutrition II by exploring in depth the nutritional foundations necessary for growth, development, normal functioning, and disease prevention at various stages of the life cycle. ~~The impact of nutritional deficiencies and excesses on the body at various life stages will also be studied.~~ PREREQUISITES: Foods and Nutrition ~~1010 or 1020 or~~ 2121~~0~~, or permission of the instructor Three semester hours

Rationale for Change: The change in the course description reflects current practice; the deleted statement is unnecessary. FN 1010 and 1020 have been removed as prerequisites as students with these courses are not prepared sufficiently for this third-year course. Only students who have completed FN 2120 Introductory Nutrition II will be eligible to take this course.

Effective Term: FALL 2023

Implications for Other Programs: This will reduce the small number of non-nutrition majors who elect to take this course.

Impact on Students Currently Enrolled: None.

Authorization	***Date:***
Departmental Approval: Rebecca Reed Jones	September 9, 2022
Faculty/School Approval: Science Council	September 23, 2022
Faculty Dean's Approval: Nola Etkin	September 23, 2022
Grad. Studies Dean's Approval: N/A	N/A
Registrar's Office Approval: Darcy McCardle	January 11, 2023

CALENDAR & CURRICULUM CHANGE — Motion #18

Revision is for a: **Pre-requisite Addition/Change**
Faculty/School/Department: **Science**
Department/Program(s)/Academic Regulations: **Applied Human Sciences**
MOTION: To have the change in course description, cross-listing and prerequisite for FN 3820 Program Planning approved as proposed.

3820 PROGRAM PLANNING AND EVALUATION In this course, students develop competency in planning, implementing, and evaluating programs for health promotion and family education. Topics include theories and models commonly used for program planning and behaviour change, assessing needs, selecting appropriate intervention strategies, identification and allocation of resources, the marketing process, and evaluation models and design. Cross-listed with Kinesiology 3820. PREREQUISITES: Foods and Nutrition 2120 or permission of the instructor Three lecture hours and the development, implementation and evaluation of a program.	**3820 PROGRAM PLANNING AND EVALUATION** In this course, students develop competency in planning, implementing, and evaluating programs for health promotion ~~and family education~~. Topics include theories and models commonly used for program planning and behaviour change, assessing needs, selecting appropriate intervention strategies, identification and allocation of resources, the marketing process, and evaluation models and design. ~~Cross-listed with Kinesiology 3820.~~ PREREQUISITES: Foods and Nutrition 2120 and Foods and Nutrition Major ~~or permission of the instructor~~ Three lecture hours and the development, implementation and evaluation of a program.

Rationale for Change: This course is no longer required by Kinesiology majors and Family Science/Child and Family Studies programs have been paused. Since this course involves community-based placements, we wish to restrict the course to Foods and Nutrition majors. The course description better reflects current practice. Cross listing has been removed since this course is no longer required by Kinesiology majors.

Effective Term: FALL 2023

Implications for Other Programs: There will be little impact on other programs since Kinesiology students have been instructed to take an alternate course in Kinesiology to replace FN 3820.

Impact on Students Currently Enrolled: Students currently enrolled can take the course; this will come into effect FALL 2023.

Authorization	***Date:***
Departmental Approval: Rebecca Reed Jones	September 9, 2022
Faculty/School Approval: Science Council	September 23, 2022
Faculty Dean's Approval: Nola Etkin	September 23, 2022
Grad. Studies Dean's Approval: N/A	N/A
Registrar's Office Approval: Darcy McCardle	January 11, 2023

CALENDAR & CURRICULUM CHANGE — Motion #19

Revision is for a: **Course Description Change**
Faculty/School/Department: **Science**
Department/Program(s)/Academic Regulations: **Applied Human Science**
MOTION: To have the change in course description for FN 3830 Professional Practice in Dietetics be approved as proposed.

Reproduction of Current Calendar Entry	Proposed revision with changes underlined and deletions indicated clearly
3830 PROFESSIONAL PRACTICE IN DIETETICS This course is designed to prepare students for a career in dietetic practice. Students will be introduced to the Integrated Competencies for Dietetic Education and Practice (ICDEP) and develop a professional portfolio which will demonstrate achievement of professional competencies. Topics include: career planning, federal/provincial/territorial requirements for dietetic practice, reflective practice, professional ethics, standards of practice, and professional boundaries. PREREQUISITE: Students must be a third year Foods and Nutrition major intending to enter the field of dietetics Three lecture hours	**3830 PROFESSIONAL PRACTICE IN DIETETICS** This course is designed to prepare students for a career in dietetic practice within the Canadian context. Students will learn to practice in a manner that promotes cultural safety, will be introduced to the Integrated Competencies for Dietetic Education and Practice (ICDEP) and will develop a professional e-portfolio which will illustrate their ~~demonstrate~~ achievement of professional competencies. ~~Topics include: career planning, federal/provincial/territorial requirements for dietetic practice, reflective practice, professional ethics, standards of practice, and professional boundaries.~~ PREREQUISITE: Students must be a third year Foods and Nutrition major intending to enter the field of dietetics. Three lecture hours.

Rationale for Change: Description reflects current practice.

Effective Term: FALL 2023

Implications for Other Programs: None.

Impact on Students Currently Enrolled: None.

Authorization ***Date:***

Departmental Approval: Rebecca Reed Jones	September 9, 2022
Faculty/School Approval: Science Council	September 23, 2022
Faculty Dean's Approval: Nola Etkin	September 23, 2022
Grad. Studies Dean's Approval: N/A	N/A
Registrar's Office Approval: Darcy McCardle	January 11, 2023

CALENDAR & CURRICULUM CHANGE — Motion #20

Revision is for a: **Course Title Change**
Faculty/School/Department: **Science**
Department/Program(s)/Academic Regulations: **Applied Human Sciences**
MOTION: To have the name, course description and prerequisites for FN 4340 Community Nutrition be approved as proposed.

FN 4340 COMMUNITY NUTRITION This course is an introduction to the field of community nutrition, which is the study of the prevention of nutritional problems and the promotion of health through organized com- munity efforts. Students develop an increased awareness of the theory and practice of community nutrition, including how it fits within the population health framework. Topics include nutrition programs and policies at the provincial, national, and international levels; food insecurity; and working with diversity. PREREQUISITES: Foods and Nutrition/Family Science/Kinesiology 3820 or permission of instructor Three lecture hours	**FN 4340 COMMUNITY AND PUBLIC HEALTH NUTRITION** This course is an introduction to the fields of community and public health nutrition~~, which is the study of the prevention of nutritional problems and the promotion of health through organized community efforts.~~ Students develop an increased awareness of the theory and practice of community and public health nutrition, using a critical approach to nutrition programs and policies at the provincial, national and international levels. ~~including how it fits within the population health framework.~~ Topics include population health, food insecurity, nutrition education, ~~nutrition programs and policies at the provincial, national, and international levels; food insecurity~~; food literacy and working with diversity. Students participate in an experiential learning project. PREREQUISITES: Foods and Nutrition~~/Family Science/Kinesiology~~ 3820 or permission of instructor Three lecture hours

Rationale for Change: The new title and description reflects current practice and national education trends in this area. The description is more consistent with new dietetic practice competencies, required for accreditation. Cross listing removed from pre-requisite since these courses no longer exist.

Effective Term: FALL 2023

Implications for Other Programs: None

Impact on Students Currently Enrolled: None

Authorization ***Date:***

Departmental Approval: Rebecca Reed Jones	September 9, 2022
Faculty/School Approval: Science Council	September 23, 2022
Faculty Dean's Approval: Nola Etkin	September 23, 2022
Grad. Studies Dean's Approval: N/A	N/A
Registrar's Office Approval: Darcy McCardle	January 11, 2023

CALENDAR & CURRICULUM CHANGE — Motion #21

Revision is for a: **Course Description Change**
Faculty/School/Department: **Science**
Department/Program(s)/Academic Regulations: **Applied Human Sciences**
MOTION: To add a new prerequisite and to have the change in course description for FN 4610 Clinical Nutrition II approved as proposed.

Reproduction of Current Calendar Entry	Proposed revision with changes underlined and deletions indicated clearly
4610 CLINICAL NUTRITION II This course is a continuation of Foods and Nutrition 3520 with emphasis on the pathophysiology and nutritional management of disease states that are typically treated in a tertiary care setting such as liver and gallbladder diseases, renal system diseases and diseases of the hematological, neurological, and respiratory systems. Additional topics such as specialized nutrition support, metabolic stress and disorders, neoplastic disease, HIV and AIDS will also be discussed. Three lecture hours and 3 hour laboratory	**4610 CLINICAL NUTRITION II** This course is a continuation of Foods and Nutrition 3520 with emphasis on the pathophysiology and medical nutrition therapy for ~~nutritional management of~~ disease states that are typically treated in a tertiary care setting such as liver and gallbladder diseases, renal system diseases and diseases of the hematological, neurological, and respiratory systems. Additional topics such as specialized nutrition support and medical nutrition therapy for psychiatric conditions~~, metabolic stress and disorders, neoplastic disease, HIV and AIDS~~ will also be discussed. PREREQUISITE: FN 3520 Three lecture hours and 3 hour laboratory.

Rationale for Change: Reflects current practice as well as nationally accepted terminology.

Effective Term: FALL 2023

Implications for Other Programs: None

Impact on Students Currently Enrolled: None

Authorization	***Date:***
Departmental Approval: Rebecca Reed Jones	September 9, 2022
Faculty/School Approval: Science Council	September 23, 2022
Faculty Dean's Approval: Nola Etkin	September 23, 2022
Grad. Studies Dean's Approval: N/A	N/A
Registrar's Office Approval: Darcy McCardle	January 11, 2023

CALENDAR & CURRICULUM CHANGE — Motion #22

Revision is for a: **Pre-requisite Addition/Change**
Faculty/School/Department: **Science**
Department/Program(s)/Academic Regulations: **Applied Human Sciences**
MOTION: To approve the change in prerequisites for KINE 4110/4120 Field Placement I/II as proposed.

KINE 4110/4120 FIELD PLACEMENT I/II These courses provide students with the opportunity to integrate theory into practice in a variety of multidisciplinary environments. Students complete a combination of supervised and independent work experience and share their experiences in the classroom. PREREQUISITES: Kinesiology 3120, 3430, 3820 and permission of the Department Chair Two lecture hours per week and 60 hours of field placement	KINE 4110/4120 FIELD PLACEMENT I/II These courses provide students with the opportunity to integrate theory into practice in a variety of multidisciplinary environments. Students complete a combination of supervised and independent work experience, and share their experiences in the classroom. PREREQUISITES: Kinesiology 3120, 3430, ~~3820~~ and permission of the Department Chair Two lecture hours per week and 60 hours of field placement

Rationale for Change: KINE 3820 is no longer a required course in the KINE degree.

Effective Term: FALL 2023

Implications for Other Programs: None

Impact on Students Currently Enrolled: None

Authorization	***Date:***
Departmental Approval: Rebecca Reed-Jones	September 13, 2022
Faculty/School Approval: Science Council	September 23, 2022
Faculty Dean's Approval: Nola Etkin	September 23, 2022
Grad. Studies Dean's Approval: N/A	N/A
Registrar's Office Approval: Darcy McCardle	January 11, 2023

Form Version: September 2022

CALENDAR & CURRICULUM CHANGE — Motion #23

Revision is for a: **Course Description Change**
Faculty/School/Department: **Science**
Department/Program(s)/Academic Regulations: **SCCA**
MOTION: To approve the change in the delivery method for lecture hours for ACC 4020 Uncertainty and Probability in Climate Change as proposed.

Reproduction of Current Calendar Entry	Proposed revision with changes underlined and deletions indicated clearly
ACC 4020 UNCERTAINTY AND PROBABILITY IN CLIMATE CHANGE Probability theory is a mathematical framework that allows us to describe and analyze random phenomena in the world around us. This course will examine and demonstrate the use of basic concepts such as random experiments, probability axioms, conditional probability, law of total probability, single and multiple random variables, moment-generating functions and random vectors in climate change science assessments. PREREQUISITE: STAT 1910 and ACC 3060; Admission to the ACC Program Three hours on-line, three hours laboratory per week; Three semester hours	ACC 4020 UNCERTAINTY AND PROBABILITY IN CLIMATE CHANGE Probability theory is a mathematical framework that allows us to describe and analyze random phenomena in the world around us. This course will examine and demonstrate the use of basic concepts such as random experiments, probability axioms, conditional probability, law of total probability, single and multiple random variables, moment-generating functions and random vectors in climate change science assessments. PREREQUISITE: STAT 1910 and ACC 3060; Admission to the ACC Program Three lecture hours ~~on-line~~, three hours laboratory per week; Three semester hours

Rationale for Change: Course to be taught in person.

Effective Term: FALL 2023

Implications for Other Programs: None

Impact on Students Currently Enrolled: None

Authorization	***Date:***
Departmental Approval: Aitazaz Farooque SCCA	September 2, 2022
Faculty/School Approval: Science Council	November 18, 2022
Faculty Dean's Approval: Nola Etkin	November 18, 2022
Grad. Studies Dean's Approval: N/A	N/A
Registrar's Office Approval: Darcy McCardle	January 11, 2023

CALENDAR & CURRICULUM CHANGE — Motion #24

Revision is for a: **Course Description Change**
Faculty/School/Department: **Science**
Department/Program(s)/Academic Regulations: **SCCA**
MOTION: To approve the change in delivery method for lecture hours for ACC 4040 Virtual Reality and Climate Change as proposed.

Reproduction of Current Calendar Entry	Proposed revision with changes underlined and deletions indicated clearly
4040 VIRTUAL REALITY AND CLIMATE CHANGE An emerging approach to enhancing participation and building awareness is the use of 3D landscape visualization to depict past and future scenarios. Following an introduction on the basics and essentials of the Unity gaming software, students will use the imagery data acquired by the drone in ACC 3040 to develop a 3D interactive sea-level rise tool. PREREQUISITE: CS 1910, ACC 3040, ACC 3050 and ACC 3060; Admission to the ACC Program Three on-line hours, three hours laboratory per week; Three semester hours	4040 VIRTUAL REALITY AND CLIMATE CHANGE An emerging approach to enhancing participation and building awareness is the use of 3D landscape visualization to depict past and future scenarios. Following an introduction on the basics and essentials of the Unity gaming software, students will use the imagery data acquired by the drone in ACC 3040 to develop a 3D interactive sea-level rise tool. PREREQUISITE: CS 1910, ACC 3040, ACC 3050 and ACC 3060; Admission to the ACC Program Three <u>lecture</u> ~~on-line~~ hours, three hours laboratory per week; Three semester hours

Rationale for Change: Course to be taught in person.

Effective Term: FALL 2023

Implications for Other Programs: None

Impact on Students Currently Enrolled: None

Authorization	***Date:***
Departmental Approval: Aitazaz Farooque SCCA	September 2, 2022
Faculty/School Approval: Science Council	November 18, 2022
Faculty Dean's Approval: Nola Etkin	November 18, 2022
Grad. Studies Dean's Approval: N/A	N/A
Registrar's Office Approval: Darcy McCardle	January 11, 2023

SUMMARY OF FACULTY OF VETERINARY MEDICINE MOTION #'S 25-27

Revision of calendar entry for the MSc program – Veterinary Medicine
VCA 3233 – Course Description Change
VCA 3234 – Course Description Change

CALENDAR & CURRICULUM CHANGE — Motion #25

Revision is for a: **Calendar Entry Change**
Faculty/School/Department: **Veterinary Medicine**
Department/Program(s)/Academic Regulations: **MSc Program / Faculty of Veterinary Medicine**
MOTION: To revise the language of the requirements as they are documented in the Calendar to align more with the MSc programs at UPEI and other universities.

Reproduction of Current Calendar Entry	Proposed revision with changes underlined and deletions indicated clearly
MSc Program (Faculty of Veterinary Medicine) The graduate students will register in one of the four academic departments listed below and in one of the designated areas of specialization: **Department of Biomedical Sciences** Animal Behaviour Physiology, Pharmacology and Toxicology Cell and Molecular Biology Neuroscience Endocrinology **Department of Companion Animals** Anesthesiology Cardiology Diagnostic Imaging Small Animal Medicine Small Animal Surgery **Department of Health Management** Epidemiology/Health Management Animal Science and Animal Nutrition Clinical Sciences Aquatic Animal Health Animal Welfare Biostatistics Public Health **Department of Pathology and Microbiology** Morphologic Pathology Wildlife Pathology Clinical Pathology Parasitology Virology Bacteriology Public Health Immunology Aquatic Animal Health Biosecurity	**MSc Program (Faculty of Veterinary Medicine)** The graduate students will register in one of the four academic departments listed below and in one of the designated areas of specialization: **Department of Biomedical Sciences** Animal Behaviour Physiology, Pharmacology and Toxicology Cell and Molecular Biology Neuroscience Endocrinology **Department of Companion Animals** Anesthesiology Cardiology Clinical Sciences Diagnostic Imaging Small Animal Medicine Small Animal Surgery **Department of Health Management** Epidemiology/Health Management Animal Science and Animal Nutrition Clinical Sciences Aquatic Animal Health Animal Welfare Biostatistics Public Health **Department of Pathology and Microbiology** Morphologic Pathology Wildlife Pathology Clinical Pathology Parasitology Virology Bacteriology Public Health Immunology Aquatic Animal Health Biosecurity

CALENDAR & CURRICULUM CHANGE — Motion #25

Reproduction of Current Calendar Entry	Proposed revision with changes underlined and deletions indicated clearly
Substantive courses are graduate level courses assigned a minimum of two credit hours. Students are required to complete courses totalling a minimum of twelve credit hours. Within this course complement there must be at least four substantive courses and the appropriate departmental Seminar course (one credit). Only one of the substantive courses may be a Directed Studies Course. All students are expected to complete VHM 8010 (Veterinary Biostatistics) unless comparable training has been completed prior to entry into the program.	The graduate program of each graduate student is specific to the student's research requirements and as such relies on the student's Supervisory Committee to identify the optimal set of courses. Substantive courses are graduate level courses assigned a minimum of two credit hours. Students are required to complete courses totalling a minimum of twelve credit hours. Within this course complement, there ~~must be~~ are at least four substantive courses and the appropriate departmental Seminar course (one credit). Recognizing that it is the responsibility of the student and their supervisor, with input from their Supervisory Committee, to propose courses that best support the development of the student's research skills proficiency, the Graduate Studies and Research Committee may approve a justified reduction in the requirement of four substantive courses, twelve total credits, or both. Normally, ~~O~~ only one of the substantive courses ~~may be~~ is a Directed Studies Course unless the Supervisory Committee and the Graduate Studies and Research Committee agree that it is in the best interests of the student to take more than one Directed Studies to ensure appropriate skills development in the field of study to complete their degree. All students are expected to complete VHM 8010 (Veterinary Biostatistics) unless comparable training has been completed prior to entry into the program or a more appropriate alternative statistics is proposed by the Supervisory Committee and approved by the Graduate Studies and Research Committee. Approved waivers of biostatistics courses may result in the total number of graduate level credits during the MSc program at UPEI being reduced if supported by the student's Supervisory Committee and approved by the Graduate Studies and Research Committee. In the case of a waiver, it will not be necessary to replace a statistics course with a non-statistics course unless the student's Supervisory Committee deems the student deficient in another important field. As a result, the normal 12 credit hours of required courses may be reduced when justified by the Supervisory Committee that it would be in the best interests of the student, and such a reduction is approved by the Graduate Studies and Research Committee.

CALENDAR & CURRICULUM CHANGE — Motion #25

Reproduction of Current Calendar Entry	Proposed revision with changes underlined and deletions indicated clearly
When a student is required to register in a seminar or colloquium course in more than one semester, the record will show a grade or a designation of "In Progress" for semesters prior to completion of the course and "Pass" or "Fail" for the final semester. With the consent of the Supervisory Committee, and of the instructor and the Department Chair concerned, a student may register for, and audit, all or part of a course. It is understood that the student will attend lectures as prescribed, but will not write any examination or receive any grade. Such a course may be recorded as an additional course, identified by AUD.	When a student is required to register in a seminar or colloquium course in more than one semester, the record will show a grade or a designation of "In Progress" for semesters prior to completion of the course and "Pass" or "Fail" for the final semester. The student will register in the seminar course until all other MSc degree requirements have been met or six semesters, whichever occurs first. With the consent of the Supervisory Committee, and of the instructor and the Department Chair concerned, a student may register for, and audit, all or part of a course. It is understood that the student will attend lectures as prescribed, but will not write any examination or receive any grade. Such a course may be recorded as an additional course, identified by AUD.
The Master's Examination Committee normally consists of five members as follows: i. two graduate faculty of the Department, who are not members of the Supervisory Committee, one of whom is appointed by the Department Chair to act as chair of the Master's Examination and to make the arrangements therefore; ii. the Supervisor of the candidate's research; iii. one additional member of the Supervisory Committee; iv. one member of the graduate faculty from a department other than that in which the student is registered.	The Master's Examination Committee normally consists of five members as follows: i. two graduate faculty of the Department, who are not members of the Supervisory Committee, one of whom is ~~appointed~~ proposed by the Department Chair and approved by the Associate Dean of Graduate Studies and Research to act as chair of the Master's Examination and to make the arrangements therefore; ii. the Supervisor of the candidate's research; iii. one additional member of the Supervisory Committee; iv. one member of the graduate faculty from a department other than that in which the student is registered. For the purposes of this role, an adjunct faculty member whose primary responsibility is outside the department is considered to meet this requirement.

Rationale for Change: The proposed revisions clarify responsibilities and recognize the current state of MSc program approvals that are administered by the AVC-GSR Office. It also standardizes previously ambiguous time limits and describes the process for extensions to be granted. Since the courses are meant to establish the conditions for success in the student's research, we have always relied upon the Supervisory Committee to propose specific sets of courses tailored to the student's program. The already rigorous process at AVC recognizes that each student is provided unique programming tailored to their specific research. These proposed changes clarify the conditions and reemphasize that course requirements are maintained but can be reduced only when justified and approved by the AVC-GSR Committee. The proposed revisions reemphasize that the AVC GSR Committee is the oversight body and Supervisory Committees are advisory bodies for structuring each program. Similarly, the number of courses has always been approached as three *plus* biostats, so the proposed changes recognize that if a student receives a waiver for biostats, then they would not need to replace biostats with another course

CALENDAR & CURRICULUM CHANGE — Motion #25

unless the Supervisory Committee considered it beneficial to the student's program. Lastly, other proposed changes contribute to the gradual harmonization of all graduate programs under the AVC-GSR, which is the ultimate goal agreed upon by the departments.

Effective Term: FALL 2023

Implications for Other Programs: This section is specific to Veterinary Medicine MSc and does not impact other programs or Faculties. Other changes will be proposed that cross-sect with the Faculties of Science and Sustainable Design Engineering.

Impact on Students Currently Enrolled: This has been discussed with graduate students and the proposed changes are considered helpful in clarifying the program without negatively influencing the rigor of the program.

Authorization	***Date:***
Departmental Approval: N/A	N/A
Faculty/School Approval: AVC Graduate Studies Committee	December 9, 2022
Faculty Dean's Approval: John VanLeeuwen	December 13, 2022
Grad. Studies Dean's Approval: Rabin Bissessur	December 17, 2022
Registrar's Office Approval: Darcy McCardle	January 11, 2023

CALENDAR & CURRICULUM CHANGE — Motion #26

Revision is for a: **Course Description Change**
Faculty/School/Department: **Veterinary Medicine**
Department/Program(s)/Academic Regulations: **Department of Companion Animals**
MOTION: To revise the course description for VCA 3233 Advanced Small Animal Medicine for General Practice 1 as proposed.

Reproduction of Current Calendar Entry	Proposed revision with changes underlined and deletions indicated clearly
VCA 3233 ADVANCED SMALL ANIMAL MEDICINE FOR GENERAL PRACTICE I This elective modular course builds on fundamental concepts of small animal medicine covered in the core curriculum. The course will delve more deeply into clinical assessment and management of respiratory diseases of dogs and cats as well as common infectious diseases endemic to North America. In addition, emerging and re-emerging infectious diseases of global importance will be highlighted. Students will develop an increased understanding of the clinical signs, diagnosis and treatment of the diseases presented. PREREQUISITE: Third year standing in the DVM program Five-week module with 3 hours of lecture per week	VCA 3233 ADVANCED SMALL ANIMAL MEDICINE FOR GENERAL PRACTICE I This elective modular course builds on fundamental concepts of small animal medicine covered in the core curriculum. The course will delve more deeply into clinical assessment and management of ~~respiratory diseases~~ endocrine and urinary diseases of dogs and cats as well as other novel or emerging diseases. ~~as well as common infectious diseases endemic to North America. In addition, emerging and re-emerging infectious diseases of global importance will be highlighted.~~ Students will develop an increased understanding of the clinical signs, diagnosis and treatment of the diseases presented. PREREQUISITE: Third year standing in the DVM program Five-week module with 3 hours of lecture per week

Rationale for Change: This course description change is being made to more evenly distribute the topics between this course and its sister course, VCA 3234. Adding *"as well as other novel or emerging diseases*" will allow more flexibility in selecting topics that are most relevant to the students' needs.

Effective Term: FALL 2023

Implications for Other Programs: N/A

Impact on Students Currently Enrolled: N/A

Authorization	***Date:***
Departmental Approval: Dr. Katie Hoddinott	November 10, 2022
Faculty/School Approval: AVC Curriculum Committee	December 1, 2022
Faculty Dean's Approval: AVC Dean's Council	December 6, 2022
Grad. Studies Dean's Approval: N/A	N/A
Registrar's Office Approval: Darcy McCardle	January 11, 2023

CALENDAR & CURRICULUM CHANGE — Motion #27

Revision is for a: **Course Description Change**
Faculty/School/Department: **Veterinary Medicine**
Department/Program(s)/Academic Regulations: **Department of Companion Animals**
MOTION: To revise the course description for VCA 3234 Advanced Small Animal Medicine for General Practice II as proposed.

Reproduction of Current Calendar Entry	Proposed revision with changes underlined and deletions indicated clearly
VCA 3234 ADVANCED SMALL ANIMAL MEDICINE FOR GENERAL PRACTICE II This elective modular course builds on fundamental concepts of small animal medicine covered in the core curriculum. The course will delve more deeply into clinical assessment and management of gastrointestinal and hepatic diseases of dogs and cats such as chronic enteropathies, cholangiohepatitis, and chronic active hepatitis; renal disease such as acute kidney injury, chronic renal disease, proteinuria, and renal nutrition; and endocrine disorders such as diabetes mellitus, hyperadrenocorticism, and insulinoma. Students will develop an increased understanding of the clinical signs, diagnosis and treatment of the diseases presented. PREREQUISITE: Third year standing in the DVM program Five-week module with 3 hours of lecture per week	VCA 3234 ADVANCED SMALL ANIMAL MEDICINE FOR GENERAL PRACTICE II This elective modular course builds on fundamental concepts of small animal medicine covered in the core curriculum. The course will delve more deeply into clinical assessment and management of gastrointestinal, infectious and respiratory ~~hepatic~~ diseases of dogs and cats as well as other novel or emerging diseases. ~~such as chronic enteropathies, cholangiohepatitis, and chronic active hepatitis; renal disease such as acute kidney injury, chronic renal disease, proteinuria, and renal nutrition; and endocrine disorders such as diabetes mellitus, hyperadrenocorticism, and insulinoma.~~ Students will develop an increased understanding of the clinical signs, diagnosis and treatment of the diseases presented. PREREQUISITE: Third year standing in the DVM program Five-week module with 3 hours of lecture per week

Rationale for Change: This course description change is being made to more evenly distribute the topics between this course and its sister course, VCA 3233. Adding *"as well as other novel or emerging diseases*" will allow more flexibility in selecting topics that are most relevant to the students' needs.

Effective Term: FALL 2023

Implications for Other Programs: N/A

Impact on Students Currently Enrolled: N/A

Authorization	***Date:***
Departmental Approval: Dr. Katie Hoddinott	November 10, 2022
Faculty/School Approval: AVC Curriculum Committee	December 1, 2022
Faculty Dean's Approval: AVC Dean's Council	December 6, 2022
Grad. Studies Dean's Approval: N/A	N/A
Registrar's Office Approval: Darcy McCardle	January 11, 2023