Academic Programs Committee of Council

University Course Challenge

Scheduled posting: **November 2024**

Date of circulation: **November 15, 2024**

Date approval is effective if no challenge received: **November 30, 2024**

Curricular and program changes approved by University Course Challenge include additions and deletions of courses, lower levels of study and program options; straightforward program changes; and curricular changes which affect other colleges.

Included are submissions for information and approval from the following colleges and schools:

College of Arts and Science
College Engineering
College of Graduate and Postdoctoral Studies
College of Nursing
College of Pharmacy and Nutrition

The next scheduled posting will be **December 16, 2024**, with a submission deadline of **December 12, 2024**. Urgent items can be posted on request.

Please direct challenges to both of the following: seanine.warrington@usask.ca in the Registrar's Office and danielle.rudulier@usask.ca in the Governance Office.

University Course Challenge – November 2024
The curricular revisions listed below were approved through the Arts & Science College Course and Program Challenge, and by the relevant college-level Academic Programs Committee, and are now submitted to the University Course Challenge for approval.

Contact: Alexis Dahl (alexis.dahl@usask.ca)

Biology

New course(s)
BIOL 437.3.3 Parasitic Arthropod Vector Borne Diseases
1/2 3L-3P Climate change is having a major impact on the distribution and abundance of parasitic arthropods and the pathogens they carry. This course examines the diversity, ecology, and evolution of parasitic arthropods, focussing primarily on insects (e.g., mosquitoes, midges, fleas, flies, lice, and bugs) and acarines (ticks and mites), and the role that some of these arthropods play as vectors and hosts of pathogens (protozoa, bacteria, and viruses) that cause disease in humans, livestock, companion animals and wildlife. Emphasis will also be placed on how climate change is changing the distribution of arthropod vectors and changes in the risk of human and animal infections. We will also examine the approaches used to identify, control, and monitor parasitic arthropods.
Prerequsite(s): BIOL 301.3, BIOL 365.3 and 6 credit units of senior BIOL; or permission of the instructor. BIOL 336 or BIOL 436 are recommended.
Instructor(s): Neil Chilton
Rationale: This course is designed for fourth-year students in Biology. Arthropods are the most speciose animal group. The distribution and abundance of arthropods worldwide (especially in Canada) is changing dramatically in response to climatic changes brought about by global warming. Many arthropods are parasites that directly affect the health of their animal hosts, and many blood-feeding arthropods are vectors of a range of pathogens (bacteria, viruses, and protozoa) that cause disease in humans, domestic animals, and wildlife. Therefore, range expansion and increased and abundance of arthropod vectors because of global warming is significantly changing the potential risk of pathogen transmission. This new senior course in biology introduces undergraduate students to the exciting field of the diversity, ecology, and evolution of parasitic arthropods, with emphasis on insects (e.g., flies, mosquitoes, midges, lice, and fleas) and acarines (mites and ticks), and their role as vectors of pathogens (bacteria, protozoa, and viruses) to vertebrate hosts. We will also how to identify and control arthropod vectors and examine how climate change is influencing the distribution and abundance of these vectors and changes in the potential risks of vector-borne diseases. In addition to the knowledge students gain regarding the biology of arthropods, they will gain practical skills during the laboratory component of the course that will be of relevance to other research areas that require the use of molecular techniques. This course provides our students to opportunity to further explore topics in the fields of entomology and parasitology.

Linguistics

Minor program revisions
Bachelor of Arts Four-year in Linguistics
Add all eligible courses to the Quantitative Reasoning Requirement list for the BA Four-year in Linguistics - General and Applied Linguistics; and add PSY 233 and SOC 225 as options in the Quantitative Reasoning Requirement list for the BA Four-year in Linguistics - Language and Speech Sciences.

Bachelor of Arts Four-year (B.A. Four-year) - Linguistics - General and Applied Linguistics Stream
B1 College Requirement (6 credit units)

The **Indigenous Learning** requirement for this program is met in the Major Requirement (B4).

English Language Writing

Choose **3 credit units** from the following:

- *No change*

Quantitative Reasoning

Choose **3 credit units** from the following:

- **CMPT 140.3** Introduction to Creative Computing
- **ECON 111.3** Introductory Microeconomics
- **ECON 114.3** Introductory Macroeconomics
- **MATH 101.3** Quantitative Reasoning
- **MATH 102.3** Precalculus Mathematics
- **MATH 104.3** Elementary Calculus
- **MATH 110.3** Calculus I
- MATH 121.3
- **MATH 125.3** Mathematics for the Life Sciences
- **MATH 133.4** Engineering Mathematics I
- **MATH 150.3** Mathematics for Early and Middle Years Teachers
- **MATH 163.3** Introduction to Mathematical Reasoning
- **MATH 164.3** Introduction to Linear Algebra
- **MATH 176.3** Advanced Calculus I
- **MATH 177.3** Advanced Calculus II
- **PHYS 115.3** Physics and the Universe
- **PSY 233.3** Statistical Methods in Behavioural Sciences A
- **SOC 225.3** An Introduction to Survey Research and Data Analysis in Sociology
- **STAT 103.3** Elementary Probability
- **STAT 244.3** Elementary Statistical Concepts
- **STAT 246.3** Introduction to Biostatistics

Bachelor of Arts Four-year (B.A. Four-year) - Linguistics - Language and Speech Sciences Stream

B1 College Requirement (6 credit units)

English Language Writing

Choose **3 credit units** from the following:

- *No change*

Quantitative Reasoning

Choose **3 credit units** from the following:

- **CMPT 140.3** Introduction to Creative Computing
- **PSY 233.3** Statistical Methods in Behavioural Sciences A
- **SOC 225.3** An Introduction to Survey Research and Data Analysis in Sociology
- **STAT 244.3** Elementary Statistical Concepts
- **STAT 246.3** Introduction to Biostatistics

Rationale: The General and Applied Linguistics concentration was always meant to include the full QRR list, but an error was made when the new template came into effect. The Language and Speech Sciences concentration correctly had a more limited list of courses, but as PSY 233 and SOC 225 are equivalent to STAT 244 it makes sense to include them so students are aware that these courses will fulfill the requirement in this program.

Minor course revisions
LING 200.3 Languages in Contact
Prerequisite change:
Current prerequisite(s): LING 111 or LING 114; and LING 112; and permission of the instructor.
New prerequisite(s): LING 111 or LING 114; and 3 additional credit units LING; and permission of the instructor.
Rationale: LING 200 covers a broad range of linguistic topics that don't necessarily all follow directly from the topics covered in LING 112 so students with one of LING 111 or 114 an one other LING course can be expected to be successful in the course.

Political Studies

Minor Program Revisions
Bachelor of Arts Honours and Four-year in Political Studies
Add POLS 268.3, 361.3 and POLS 461.3 to the subfield lists as shown below.

Bachelor of Arts Honours (B.A. Honours) - Political Studies
B4 Major Requirement (60 credit units)

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Canadian Politics and Policy

Choose **9 credit units** from the following:

- **POLS 225.3** Canadian Public Administration and Administrative Law
- **POLS 226.3** Canadian Public Policy
- **POLS 298.3** Special Topics (if the topic relates to Canadian politics and policy)
- **POLS 302.3** The Politics of Work
- **POLS 303.3** Public Law and the Courts in Canada
- **POLS 304.3** Democracy and the Charter of Rights and Freedoms
- **POLS 305.3** Provincial Politics and Policy
- **POLS 306.3** Local Governance and Policy
- **.3** Indigenous Policies and Programs
- **POLS 324.3** Metis otehpayimusuak and apihtawikosisanak Governance
- **POLS 326.3** Comparative Public Policy
- **POLS 327.3** Political Marketing
- **POLS 328.3** Public Policy Analysis
- **POLS 349.3** Multiculturalism and Immigration in Canada
- **POLS 361.3** Canadian Political Economy
- **POLS 375.3** Canadian Foreign Policy in the Global Era
- **POLS 383.3** Career Internship
- **POLS 398.3** Special Topics (if the topic relates to Canadian politics and policy)
- **POLS 404.3** Canadian Federalism and Intergovernmental Relations
- **POLS 405.3** Canadian Elections and Political Parties
- **POLS 422.3** Indigenous Governance and Self Determined Sustainable Development

- **POLS 498.3** Special Topics (if the topic relates to Canadian politics and policy)

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Political Theory and Law

Choose **9 credit units** from the following:

- **POLS 207.3** Feminist Political Theory
- **POLS 238.3** Global Ideologies in the 21st Century
- **POLS 263.3** The Politics of International Law
- **POLS 268.3** Politics Public International Law and Human Security Amsterdam and the Hague Netherlands
- **POLS 298.3** Special Topics (if the topic relates to political theory and law)
- **POLS 333.3** Theory and Politics of Law
- **POLS 336.3** Justice and Democracy
- **POLS 398.3** Special Topics (if the topic relates to political theory and law)
- **POLS 403.3** Advanced Topics in Public Law and Public Policy
- **POLS 431.3** Contemporary Political Theory
- **POLS 460.3** Ethics and Global Politics
- **POLS 461.3** Politics and the International Criminal Court
- **POLS 498.3** Special Topics (if the topic relates to political theory and law)

Bachelor of Arts Four-year (B.A. Four-year) - Political Studies
B4 Major Requirement (51 credit units)

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Canadian Politics and Policy

Choose **6 credit units** from the following:

- **POLS 225.3** Canadian Public Administration and Administrative Law
- **POLS 226.3** Canadian Public Policy
- **POLS 298.3** Special Topics (if the topic relates to Canadian politics and policy)
- **POLS 302.3** The Politics of Work
- **POLS 303.3** Public Law and the Courts in Canada
- **POLS 304.3** Democracy and the Charter of Rights and Freedoms
- **POLS 305.3** Provincial Politics and Policy
- **POLS 306.3** Local Governance and Policy
- **POLS 323.3** Indigenous Policies and Programs
- **POLS 324.3** Metis otehpayimusuak and apihtawikosisanak Governance
- **POLS 326.3** Comparative Public Policy
- **POLS 327.3** Political Marketing
- **POLS 328.3** Public Policy Analysis
- **POLS 349.3** Multiculturalism and Immigration in Canada
- **POLS 361.3** Canadian Political Economy
- **POLS 375.3** Canadian Foreign Policy in the Global Era
- **POLS 383.3** Career Internship
- **POLS 398.3** Special Topics (if the topic relates to Canadian politics and policy)
- **POLS 404.3** Canadian Federalism and Intergovernmental Relations
- **POLS 405.3** Canadian Elections and Political Parties
- **POLS 422.3** Indigenous Governance and Self Determined Sustainable Development

- **POLS 498.3** Special Topics (if the topic relates to Canadian politics and policy)

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Political Theory and Law

Choose **6 credit units** from the following:

- **POLS 207.3** Feminist Political Theory
- **POLS 238.3** Global Ideologies in the 21st Century
- **POLS 263.3** The Politics of International Law
- **POLS 268.3** Politics Public International Law and Human Security Amsterdam and the Hague Netherlands
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- **POLS 461.3** Politics and the International Criminal Court
- **POLS 498.3** Special Topics (if the topic relates to political theory and law)

Rationale: The added courses were approved recently and are relevant to the list to which they are added.

Studio Art

Minor program revisions
Minor in Studio Art
Add ART 235 to and remove ART 438 and 439 from the Digital and Integrated Practice list.

Requirements (24 credit units)

- **ART 110.3** Art Today Ideas and Practices
- **ARTH 120.3** Art and Visual Culture I
- **ARTH 121.3** Art and Visual Culture II

Choose **15 credit units** ART courses such that courses are selected from a minimum of 2 of the following areas:

Painting
Drawing
Printmaking

Digital and Integrated Practice

- **ART 136.3** Digital and Integrated Practice I Foundation
- **ART 230.3** Video Art and Sound I
- **ART 231.3** Animation and Digital Space I
- **ART 235.3** Digital Imagery

- **ART 236.3** Digital and Integrated Practice II A
- **ART 237.3** Digital and Integrated Practice II B
- **ART 330.3** Video Art and Sound II
- **ART 331.3** Animation and Digital Space II
- **ART 338.3** Digital and Integrated Practice III A
- **ART 339.3** Digital and Integrated Practice III B
- ~~ART 438.3~~
- ~~ART 439.3~~
- **ART 460.3** Video Art and Sound III
- **ART 461.3** Animation and Digital Space III
- **INTS 111.3** Design and Society

Sculpture
Photography

Rationale: ART 235 was omitted from the list in error. ART 438 and 439 have been closed.

The curricular revisions listed below were approved through the Arts & Science College Course and Program Challenge and are now submitted to the University Course Challenge for information.

Academic Policies

Honours Programs

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Admission to an Honours Program

A student interested in entering an Honours Program should consult advisors in the department or departments concerned before registering for their second year. In this way a program of studies for the second year may be planned in accordance with requirements of the proposed Honours Program. Formal admission to an Honours Program is considered upon application and is based on departmental recommendation and College approval. Application for admission to Honours is not considered until the student has successfully completed at least 60 credit units with a Cumulative Weighted Average of at least 70% overall and at least 70% in the subject or subjects of honours. In some programs higher admission averages are required.

The overall average is calculated from the grades obtained on all courses taken, that carry credit toward the B.A., B.A.&Sc., B.F.A., B.Mus. or B.Sc. degree. The Major Average is calculated as defined on the program page. This calculation will include courses with failing grades, except for courses taken again and passed, according to the College of Arts & Science policy on repeating courses.

Grades for transfer credits may be used for calculating the Honours admission average only, in the case where a student has taken fewer than 60 credit units at the University of Saskatchewan (that are approved for credit in Arts & Science). Grades for transfer credits will not be used in the calculation of promotion and graduation averages.

Application for Honours admission is to be made on a form available at the Undergraduate Student Office or online. The deadline for application is ***May ~~31~~ 1.*** Students will be notified by e-mail during the summer.

Alternative Admission Standard: Students who, with more than 60 credit units, fail to qualify for admission to an Honours Program because their Cumulative Weighted Average is less than 70% may nevertheless be admitted, with department recommendation and College approval, if their average on the last 60 credit units or more attempted is at least 75%, and their average in the subject of honours is at least 70%.

Additional Regulations: Students who wish to pursue an Honours Program after the completion of a Four-year degree should contact the Undergraduate Student Office. Students who meet the program and academic requirements for an Honours degree but have never been admitted to an Honours program may still be eligible to receive the Honours degree. These students should contact the Undergraduate Student Office.

Honours Scholarships: A limited number of these scholarships are awarded annually to students in the fourth year of an Honours Program. To be eligible for consideration, a student must have been formally admitted by the College to an Honours Program, must have a Sessional Weighted Average of at least 75% and must have completed at least 78 credit units of the 120 credit units required in the Honours Programs. A student who has completed 78 credit units and who receives an Honours Scholarship must register in at least 18 credit units in Fall and Winter Terms in which the scholarship is tenable. ~~Applications from students are not required~~ Students who are admitted to Honours are automatically considered for Honours Scholarships.

Registration & Course Selection

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~~**First-Year Students**~~

~~See also the **Registration** section of the Current Students website for details.~~

1. ~~Please refer to the specific program page for information on major requirements.~~
2. ~~First-year students may register in 3 to 30 credit units (a maximum of 15 credit units per term) in Fall and Winter Terms (September to April).~~
3. ~~First-year students usually register only in junior courses (100-level) in their first term (September to December). Depending on prerequisite requirements, some senior courses are open to first-year students in the second term (January to April), such as CHEM 250.3, some STAT courses, etc.~~
4. ~~Students may register only in the courses for which prerequisites have been satisfied. For example, students must complete Chemistry 30 before registering in CHEM 112.3. High school prerequisites for university courses are listed in the course descriptions in the Course & Program Catalogue~~
5. ~~Additional information may be found on the **College of Arts & Science** website.~~

~~**Upper-Year Students**~~

~~Academic Advising: Each year, students who intend to return for the next Fall and Winter Terms are expected to see an advisor in the department of their major in March or April. To declare or change a Major, and for access to a program monitor showing the student's Cumulative Weighted Average (C.W.A.), refer to the Arts & Science tab in PAWS. Students also have access, in PAWS, to an online degree audit system called Degree Works. The last three weeks of March and the month of April are designated as a time for students to participate in academic advising. Students may go to more than one department if they have not yet decided on a major. Advising procedures and sessions on choosing a major are announced by e-mail to the student's NSID account, through the **PAWS** portal. Opportunities for departmental academic advising outside the March-April period may be limited.~~

~~For specific information on major requirements and on other cognate courses required or recommended, consult the department advisor and refer to the appropriate section of the Course & Program Catalogue. For example, a student intending to major in biology should consult an advisor in the Department of~~

~~Biology after reading the Biology program requirements.~~

~~Students who attended during the last Fall and Winter Terms and are eligible to return, and those accepted to upper year studies in the College of Arts & Science, should check PAWS for registration dates. Students who received a degree at Spring Convocation must reapply for admission if they intend to take additional courses in the College.~~

Late Enrolment Policy

Late enrolment overrides are intended for students who experience an extenuating circumstance that prevents them from completing their registration by the class registration deadlines established by the university.

To be eligible for a late enrolment request, students must satisfy all the following criteria:

- completion of at least 30 credit units,
- a Cumulative Weighted Average (CWA) of at least 60%, and
- approval of the instructor.

Deadlines for submitting late enrolment requests for Arts and Science courses are:

- Fall Term, ~~or~~ Winter Term, or Fall/Winter Multi-term classes: No later than 21 days following the first day of class.
- Spring or Summer Quarter classes: No later than 3 days following the first day of classes.
- Spring or Summer Term classes (full term): No later than ~~5~~ 7 days following the first day of classes.
- Spring or Summer Multi-term ~~Quarter~~ classes: No later than ~~3~~ 7 days following the first day of classes.

Late submissions will not be considered.

Eligible requests will be considered on a case-by-case basis and approval will be at the discretion of the College of Arts & Science.

Maximum Number of Credit Units

First-year students may register in 3 to 30 credit units (a maximum of 15 credit units per term) in Fall and Winter Terms (September to April). Students admitted through the University of Saskatchewan Transition Entrance Program (USTEP) may only register in 12 credit units per Fall or Winter term.

Normally students register in a maximum of 30 credit units (15 credit units per term) in Fall and Winter Terms. However, upper-year students with a Cumulative Weighted Average (C.W.A.) of at least 70% on a minimum of 30 credit units completed previously, can receive permission from the Undergraduate Student Office to add a maximum of 3 additional credit units per term. The request form is available here: Arts and Science Course Inquiries (link to: https://teamdynamix.usask.ca/TDClient/33/Portal/Requests/ServiceCatalog?CategoryID=48).
~~The form to request permission to take 33 or 36 credit units in Fall and Winter Terms is available on the **College of Arts & science website**.~~

Program Requirement (Course) ~~**Substitution**~~ **Replacement** Policy

This policy details the Arts & Science college-level rules to approve replacing a required courses with another for the purposes of completing a major, minor or certificate ~~for accepting a different course in lieu of one that is listed in program requirements~~:

Substitution: Course substitutions are only offered when a required course has been closed or when a required course is not available in a student's final year of study. Requests for course substitutions will be assessed on a case-by-case basis. This policy does not apply to Statistics courses, which are covered separately by the Statistics Course Regulations.

Transfer credit in lieu: When a student has received approval for generic transfer credit (i.e. SUBJ JR/SR/UNSP), they may approach the department/school to determine if this credit fulfills a program requirement(s). The student may require prerequisite overrides to register in subsequent courses that will now use the replacement course(s) as a prerequisite.

Course in lieu: In cases where a required course is not offered, without warning, and a student's progression would be delayed by having to wait to take the course in a subsequent year, the department/school and the UGSO may work together to select a replacement course. The student may require prerequisite overrides to register in subsequent courses that will now use the replacement course as a prerequisite.

In all cases, a failing grade in a required course is not sufficient grounds to seek a substitution, transfer credit in lieu, or course in lieu.

All course substitution requests must be submitted by the appropriate faculty member with a rationale outlining the reasoning surrounding the equality of the two courses in meeting the requirements of the program. ~~Substituted~~ Replacement courses must be closely related (subject, topic, and/or level) to the original course. All requests must be signed off by both the student and the department head and submitted to the Undergraduate Student Office one week prior to the registration deadline for the term in which the substitute course is to be taken.

Promotion

The minimum requirements for continuing as a full-time student in the College of Arts & Science are based on the C.W.A. calculated from the weighted grades of all courses attempted, including failures.

This calculation is made annually in May /June and is based on all grades obtained to the end of April (end of the Fall and Winter Terms). The average calculation for students with deferred examinations will be made upon receipt of all final grades.

Students who are not promoted will receive an e-mail notice from the College in June indicating their faculty action (Probation or Required to Discontinue). Students should ensure that they regularly check their U of S NSID e-mail.

For further details on taking courses under Required to Discontinue status, refer to Faculty Actions: Probation and Required to Discontinue

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Promotion Standards for Degree Programs

To be allowed to take more than 24 credit units in the following Fall and Winter Terms, the minimum Promotion Standards must be met.

1. The Promotion Standards are based on the total number of credit units used in the calculation of the C.W.A.

2. For students with transfer credits, the required promotion average is based upon the total credit units attempted, including transfer credits. However, the C.W.A. is calculated only on University of Saskatchewan courses attempted; grades received from other institutions are not included in the C.W.A.
3. Failing grades will be used in the calculation of the C.W.A., except where a course was repeated and a higher grade was earned.
4. Students should be aware that meeting these standards does not ensure graduation; rather, these are the minimum standards required to continue studies on a full-time basis.

Promotion Standards

Credit Units Attempted	*Minimum* C.W.A.
18-30	~~56.0~~ 58.0%
31-60	~~58.0~~ 59.0%
61 or more	60.0%

Probation

Credit Units Attempted	*Minimum* C.W.A.
18-30	50.00-~~55.99~~ 57.99%
31-60	54.00-~~57.99~~ 58.99%
61 or more	58.00-59.99%

Required to Discontinue

Credit Units Attempted	*Minimum* C.W.A.

18-30	49.99% or less
31-60	53.99% or less
61 or more	57.99% or less

Alternate Promotion Standards

Students who fail to meet the promotion standards described in the previous section will also be evaluated using the alternate promotion standards which exclude grades obtained in the first year of study or the first and second years of study. The following standards apply:

Alternate Promotion Standard

Credit Units Attempted	*Minimum* C.W.A.
30-78	62.00% on last 18-48 credit units
78 or more	62.50% on last 48-60 credit units

Alternate Probation

Credit Units Attempted	*Minimum* C.W.A.
30-78	58.00-61.99% on last 18-48 credit units
78 or more	60.00-62.49% on last 48-60 credit units

Alternate Required to Discontinue

Credit Units Attempted	*Minimum* C.W.A.
30-78	57.99% or less on last 18-48 credit units
78 or more	59.99% or less on last 48-60 credit units

Where the two evaluation procedures produce different results, the evaluation which best benefits the student will apply.

Promotion Standards for Certificate Program

No specific promotion standards are applied to certificate programs. Students are reminded that they are required to attain an overall Cumulative Weighted Average (C.W.A.) of 62.5% on all courses counted toward the certificate in order to be eligible to graduate.

Faculty Actions: Probation and Required to Discontinue

Students who fail to meet the minimum or alternate C.W.A. will either be placed on *Probation* or be *Required to Discontinue* from the College of Arts & Science for a period of one year (Sept 1 to August 31). Students are notified in June.

Students who are *Required to Discontinue* from the College of Arts & Science are not permitted to return to the College for a period of one year. Students who take courses outside the College of Arts & Science while *Required to Discontinue* must have a C.W.A. of 60% before they can reapply for admission to Arts & Science. Students who do not take courses during their first *Required to Discontinue* year will, on application to **Admissions**, be accepted for readmission to the College. The faculty action *Required to Discontinue* is permanently recorded on the transcript.

Students on *Probation* may not take more than ~~24~~ 12 credit units in each of the next Fall and Winter Terms, and no more than 6 credit units in each of Spring and Summer Terms. ~~**Students on probation are not allowed to take more than 12 credit units per term.**~~ The C.W.A. of students on *Probation* will be reviewed in May. Students who meet the promotion standards will have their *Probation* status removed.

Academic Appeals

Students have the right to appeal a Requirement to Discontinue. However, appeals will only be accepted if extenuating circumstances can be shown to account for poor academic performance. Supporting ~~Corroborating~~ documentation, such as a letter from a doctor, is required. The appeal, addressed to the Academic Appeals Coordinator of the College, must be submitted online by the deadline noted on the Appeals page ~~within 30 days of the date of notification~~. See the **Arts and Science Appeals** page for details and the link to the online submission.

Graduation

Students must apply to graduate to receive a degree or certificate.

Graduation Application Process and Regulations

Graduation Check

Once students finalize their registration for their final year, they should request a Graduation Check to ensure all graduation requirements will be completed. Forms are available **online** ~~or from the Undergraduate Student Office~~. See the form for deadlines to request a Graduation Check (link to https://teamdynamix.usask.ca/TDClient/33/Portal/Requests/ServiceCatalog?CategoryID=49). ~~Deadlines to submit graduation checks are June 15 (for Fall Convocation) and November 15 (for Spring Convocation).~~

Application for Graduation

Students must apply to graduate to receive a degree or certificate. The **Application to Graduate form** must be submitted by **August 31** for Fall Convocation or by **March 31** for Spring Convocation. A student who fails to graduate must subsequently submit another application.

Completion of Degree Requirements

To qualify for graduation, students must complete both the degree requirements for their program type (as described in the section on Arts & Science Degree Programs) and must complete the course requirements for their major or interdisciplinary program (as described in the Programs section). The student may also have completed the requirements for a minor or recognition or both. The required Cumulative Weighted Average (C.W.A.) must be achieved.

Completion of Certificate Requirements

To qualify for graduation students must complete the requirements for their particular certificate. A minimum Cumulative Weighted Average (C.W.A.) of ~~62.5~~ 63% must be achieved on all courses taken which credit towards the certificate.

Required Cumulative Weighted Average (C.W.A.)

All University of Saskatchewan courses attempted which credit towards an Arts & Science degree are used in the calculation of the Overall C.W.A. and the Subject C.W.A. Failures are included if the course has not been retaken as described under Repeating Courses. Students may not use a grade from another university to replace a University of Saskatchewan grade.

The graduation standards for degrees or certificates are:

	C.W.A.	C.W.A. *in subject**
B.A. or B.Sc. Three-year	60~~.0~~%	~~62.5~~ 63%
B.A., B.A.&Sc., B.Mus. or B.Sc. Four-year	60~~.0~~%	~~62.5~~ 63%

B.A., B.A.&Sc., B.F.A., M.MUS. or B.Sc. Honours	70~~.0~~%	70~~.0~~%
Degree Level Certificate	n/a	~~62.5~~ 63%

*"Subject" means the major subject, the minor subject, the recognition subject, and the courses listed as a "major" for an interdisciplinary program. Courses included in the subject average may appear in the Distribution Requirements or the Major Requirement of a specific program. For a Degree Level Certificate, the “subject” includes all courses listed as part of the program requirements.

Alternate Graduation Standards

All students who do not meet the overall or the subject graduation standards are eligible to receive a degree or certificate if they meet the alternate graduation standards on courses taken from the University of Saskatchewan as follows:

Major subject: For the B.A. or B.Sc. Three-year degree an average of ~~62.5~~ 63% is required on at least 24 credit units of senior courses. **All** senior courses attempted in the major subject must be included.

For the B.A. or B.Sc. Four-year degree an average of 65% is required on at least 30 credit units of senior courses. **All** senior courses attempted in the major subject must be included.

~~For the B.F.A. degree, students with an average of 75% overall on the last 60 or more credit units attempted (including Regular, and Spring and Summer Sessions), and an average of 70% in the prescribed courses of the major will, on the recommendation of the department and approval of the College, be awarded their degree.~~

Overall C.W.A.: For the B.A. or B.Sc. Three-year or the B.A. or B.Sc. Four-year degree or certificate an overall C.W.A. of at least ~~62.5~~ 63% is required on the last 60 credit units or more attempted (including complete Regular, and Spring and Summer Sessions).

The student must also meet the regular or alternate graduation standards in the major subject.

Minor and Recognition: There is no alternate graduation standard for minors and recognition. The subject C.W.A. of ~~62.5~~ 63% must be achieved if these designations are to be awarded.

Degrees with Distinction

Students in the B.Mus. Four Year, B.A. Three-year or Four-year, or B.Sc. Three-year or Four-year programs, who earn a minimum C.W.A. of 75% are awarded their degrees with Distinction; those who earn a minimum C.W.A. of 80% are awarded Great Distinction.

Students who do not achieve Distinction or Great Distinction based on the standards noted in the previous section, will also be considered under the alternate standards. Students who achieve a minimum C.W.A. of ~~77.5~~ 78% on the last 60 or more credit units attempted will be awarded their degrees with Distinction. Students who achieve a minimum C.W.A. of ~~82.5~~ 83% on the last 60 or more credit units attempted (including complete Regular, and Spring and Summer Sessions) will be awarded their degrees with Great Distinction.

Both the standards and alternate standards for Distinction or Great Distinction must be achieved on University of Saskatchewan courses which credit toward the Arts & Science degree.

Degrees with Honours

Honours Standard: Students who have completed an Honours Program with a C.W.A. of 70% and a~~n~~ Major Average of 70% ~~in the prescribed courses of the subject of honours~~ will, on the recommendation of the department and approval of the College, be awarded their degree with honours.

High Honours Standard: Students with a C.W.A. average of 75% and a~~n~~ Major Average of 80% ~~in the prescribed courses in the subject of honours~~ will, on the recommendation of the department and approval of the College, be awarded their degree with high honours.

Alternate Honours Standard: Students with a C.W.A. of 75% overall on the last 60 or more credit units attempted (including complete Regular, and Spring and Summer Sessions), and a~~n~~ Major Average of 70% ~~in the prescribed courses of the subject of honours~~ will, on the recommendation of the department and approval of the College, be awarded their degree with honours.

***Alternate High Honours Standard*:** Students with a C.W.A. of 80% on the last 60 or more senior credit units attempted (including complete Regular, and Spring and Summer Sessions), and a Major Average ~~minimum C.W.A~~. of 80% ~~in the major~~ will be awarded their degree with High Honours.

~~Students who have already completed all program requirements for an Honours degree but did not achieve the C.W.A. graduation standard required for Honours, are not permitted to take or retake courses to upgrade to an Honours degree under this policy.~~

~~Departmental recommendations based on a comprehensive examination, or other quantitative aspects of the student's performance, shall have a weight of no more than 6 credit units in the calculation of a student's C.W.A.~~

Both the standards and the alternate standards for honours and high honours must be achieved on all University of Saskatchewan courses which credit toward the Arts & Science degree.

~~Raising the C.W.A.: 18 Credit Unit Rule~~

~~A student who has completed the course requirements of the B.A. or B.Sc. Three-year or Four-year or B.A. & Sc. Four-year but has not met the C.W.A. requirements, may take up to 18 additional credit units in order to raise the C.W.A. A student may not take more than a total of 18 such additional credit units in completing all degrees in the College of Arts & Science. Of the 18 credit units not more than 6 may be junior. The courses taken to raise the C.W.A. must be approved in advance by the Undergraduate Student Office. Courses taken to raise the C.W.A. may not be credited towards any other degree. This rule does not apply to the B.F.A., or Honours degrees.~~

Biology

Minor course revisions
BIOL 436.3 Animal Parasitology
New course number: **BIOL 336.3**
New course description: This course examines the biology and diversity of parasites that infect humans, domestic animals, and wildlife, with emphasis on protozoa, helminths (e.g., nematodes, cestodes and trematodes), acanthocephalans, nematomorphs, annelids, and arthropods. Examples from these will be used to illustrate important parasitological concepts, including host-parasite specificity, host-parasite co-evolution, the six essential steps in the life cycles of parasites, the evolution of parasitism, host manipulation and the effect of climate change on the distribution and abundance of parasites and the diseases they cause.
Change to Note:
Current Note: BIOL 302 is recommended.
New Note: Students with credit for BIOL 436 will not receive credit for BIOL 336.

Rationale: A proposal has been submitted to create a new 4th year course (see BIOL 437 above). The new BIOL 437 course will focus on the biology of parasitic arthropods (mosquitoes, flies, fleas, bugs, lice, mites, and ticks) and their pathogens, and the effect of climate change on their distribution and abundance. As a result of this, there is a need to revise and reposition the animal parasitology course within the biology programmes. The content of BIOL 336 remains similar to that taught in BIOL 436 and students who have completed BIOL 436 will not be allowed to take BIOL 336 for credit. The prerequisites for BIOL 336 are appropriate for a third year course in BIOL.

Correction: The approved templates for certificate programs in the College of Arts and Science both include the same residency requirement: “Students must complete at the University of Saskatchewan at least half of the total required credit units, rounded to the nearest highest multiple of 3 credit units.” Unfortunately an error was made early on that confused the 1/2 amount with the 2/3 amount of senior courses in the major required for degree programs, and this error was replicated to many of the certificate programs which were approved subsequently. The errors will be fixed for all programs in the 2025-2026 Catalogue. The affected certificate program entries are:

- **Advanced Studio Art - Certificate**
- **Applied Gender Justice - Certificate**
- **Astronomy - Certificate**
- **Biological Research - Certificate**
- **Catholic Studies - Certificate**
- **Classical and Medieval Latin - Certificate**
- **Computing - Certificate**
- **Criminology and Addictions - Certificate**
- **Ethics, Justice and Law - Certificate**
- **Formal Reasoning - Certificate**
- **Foundations of Studio Art - Certificate**
- **French-English Translation - Certificate**
- **Geomatics - Certificate**
- **Global Studies - Certificate**
- **Indigenous Governance and Politics - Certificate**
- **Intermediate Studio Art - Certificate**
- **Jazz - Certificate**
- **Mathematical Modelling - Certificate**
- **Medical Language - Certificate**
- **Peace Studies - Certificate**
- **Politics and Law - Certificate**
- **Queer Theory, Gender Diversity, and Sexualities Studies - Certificate**
- **Religious Literacy - Certificate**
- **Statistical Methods - Certificate**
- **Study of Indigenous Storytelling - Certificate**
- **Ukrainian Studies - Certificate**
- **Urban Design - Certificate**
- **Water Science - Certificate**
- **wîcêhtowin Theatre - Certificate**

College of Engineering - University Course Challenge Submission, November 2024

The following changes have been approved through the College of Engineering and are being submitted here for approval through the University Course Challenge.

Contact: Temi Ojo (temitope.ojo@usask.ca)

Minor Course Revisions

Chemical and Biological Engineering Program

1). MOTION: To delete this notation, effective 2025-26 academic year: *"To remove the notes on the Prerequisite and Corequisite listing for **CHE 223.3 (Chemical Thermodynamics)**"* as found on the current course description for **CHE 223.3**, in the Course and Program Catalogue.

"CHE 223.3 – Chemical Thermodynamics"

Fundamental principles of thermodynamics with particular emphasis on generalized methods. Considerable time is devoted to the thermodynamics of solutions with an emphasis on generalized methods for dealing with deviations from ideal behaviour. These principles are applied to the calculation of equilibrium compositions in liquid-vapour systems.

Prerequisite(s) or Corequisite(s): CHEM 242 or ENVE 201

~~**Note:** Students with credit for CHEM 347 will not receive credit for this course.~~

~~**Note:** Students in the Chemical Engineering Undergraduate Program must complete CHEM 242.3 as a prerequisite for this course.~~

RATIONALE: **CHEM 347** has been beyond moribund for years. Moreover, the notes in the prerequisite are nonfunctional and cannot be enforced during registration. In addition, CHE students are prepared to take **CHE 223** without having taken **Chem 242**.

Historically, students would take **Chem 242** in T1 (Fall term) and **CHE 223** in T2 (Winter term) for course sequencing within their CHE program. However, **CHE 223** is now offered in T1, and **CHEM 242** is offered only in T2 this year, although it is normally offered in both terms. Both courses are taken by CHE students in YR 2. This is clearly problematic. Hence, the CHE program is moving that these notations be stricken and the course description for CHE 223.3 be updated as the above motion lays out.

Environmental Engineering Program

2. a. MOTION: To change the prerequisites for ENVE 495.6 Capstone Design Project for the academic year 2025-2026, from the following:

Prerequisite(s): ENVE 201 and RCM 200 and GE 348

Prerequisite(s) or Corequisite(s): CE 320

to the following:

Prerequisite(s): ENVE 201 and RCM 200 and GE 348 and ENVE 395

Prerequisite(s) or Corequisite(s): CE 320

RATIONALE: When the Environmental Engineering program added ENVE 395 as a required 3rd year course, the purpose was to better prepare students for their 4th year capstone project. However, due to an oversight, ENVE 395 was not added as a prerequisite for ENVE 495. In order to ensure the proper sequencing of these courses, ENVE 395 should be a prerequisite for ENVE 495.

2. b. MOTION: To move CE 213 Mechanics of Materials from Term 2 to Term 1 of second year of the Environmental Engineering program as of 2025-2026.

RATIONALE: The Civil, Geological, and Environmental Engineering Department approved this change for the CE program at the June 12th Department meeting. The course timing will similarly need to change for the ENVE program as this is a required course. The rationale provided for the earlier CE motion was "It is believed that if CE 213 is moved to Term 1, students would better remember statics from first year. They would also be better prepared for CE 225 in Term 2.

Additionally, students from GEOE and ENVE who have failed CE 213 frequently ask to take GE 213 Mechanics of Materials in Term 1 through the College instead of waiting until Term 2 to take CE 213. This substitution is permitted by GEOE and ENVE because there are several courses for which CE 213 is a prerequisite later in their programs. The GE 213 Term 1 course instructor has strongly expressed concerns about the number of additional students in his class. The College is considering not allowing this substitution. If CE 213 fell in Term 1, there would be no reason to allow students to take GE 213 in its place.

Additionally, impacts on program completion due to failing CE 213 on civil engineering students would be reduced because the repeated course in Term 1 could be used to satisfy Term 2 prerequisite requirements of CE 213.

2. c. MOTION: To move CE 212 Civil Engineering Materials from Term 1 to Term 2 of second year of the Environmental Engineering program, effective 2025-2026.

RATIONALE: The Civil, Geological, and Environmental Engineering Department approved this change for the CE program at the June 12th Department meeting. The course timing will similarly need to change for the ENVE program as this is a required course. The rationale provided for the earlier CE motion was "CE 212 must be moved to term 2 of second year to accommodate the move of CE 213 to Term 1. This is because CE 212 and CE 213 both require the structural laboratory as lab space".

2. d. MOTION: To remove CE 464 Water Resources Engineering from the list of Group B Environmental Engineering Electives, effective 2025-2026.

RATIONALE: The Civil, Geological, and Environmental Engineering Department voted in favour of removing this course from the CE Program at the June 12th Department meeting. Thus, it will no longer be offered.

The Future Catalogue mark-up should reflect these changes as follows:

Environmental Engineering

Bachelor of Science in Engineering (B.E.) - Environmental Engineering (149 credit units)

Year 2 (36 credit units)

Fall Term

- ~~**CE 212.3** Civil Engineering Materials~~
- **CE 213.3** Mechanics of Materials
- **ENVE 201.3** Principles of Environmental Engineering
- **GE 210.3** Probability and Statistics
- **GEOL 121.3** Earth Processes
- **MATH 223.3** Calculus III for Engineers

Winter Term

- ~~**CE 213.3** Mechanics of Materials~~
- **CE 212.3** Civil Engineering Materials
- **CE 225.3** Fluid Mechanics
- **ENVE 212.3** Physical Principles of Plant Biosystems
- **GEOE 218.3** Engineering Geology
- **MATH 224.3** Calculus IV for Engineers

Environmental Engineering Elective

Environmental Engineering Elective (Group A)

- **ENVE 414.3** Water and Wastewater Engineering
- **ENVE 432.3** Land Management and Reclamation
- **ENVE 478.3** Contaminated Site Remediation Engineering

Environmental Engineering Elective (Group B)

- **CE 415.3** Structures for Water Management
- ~~**CE 464.3** Water Resources Engineering~~
- **CE 468.3** Environmental Geotechnics
- **CHE 461.3** Biochemical Engineering
- **GEOE 375.3** Engineering Hydrogeology

Geological Engineering Program

3. a. MOTION: To approve the creation of GEOE 295 as detailed in the attached course creation form effective 2025-2026.

RATIONALE: Previously, the Geological Engineering students took a version of this course through Civil Engineering as CE 295. However, Civil Engineering recently revised their curriculum, moved this previously second year course to their third year and refocused it to transportation engineering. This new course is not suitable for the Geological Engineering students.

During a Geological Engineering stakeholder engagement meeting on April 12, 2024, industry representatives emphasized the need for enhanced awareness of the importance of environmental considerations in Geological Engineering. By offering this design course specifically for Geological Engineering students, we can tailor the curriculum to include this enhanced awareness, thus ensuring that students gain relevant skills and knowledge to meet industry demands. This course will also demonstrate to our industry partners that we take their requests seriously and are committed to providing education that directly addresses the skills they seek in future professionals.

- **GEOE 295.3 Design Project**

Description: The course introduces Geological Engineering students to a realistic project environment, similar to what they are likely to encounter as practicing professionals. Rather than focusing on specific technical content, the major emphasis is on developing the general skills and appropriate strategies required to be effective engineers, regardless of discipline or career path. In particular, the primary focus is on engineering design and the entire design process. As such, the course encourages students to integrate concepts and technical information from other courses, as well as from external sources, to solve the problem at hand.
Prerequisites: CE 202.3 and CE 212.3
Prerequisite(s) or Corequisite(s): CE 213.3, GEOE 218.3, and RCM 200.3

3. b. MOTION: To replace CE 295 with GEOE 295 as a required course for geological engineering program in second year, Winter Term, effective 2025-2026.

RATIONALE: To support Motion 2e. GEOE 295 is being created as a replacement for CE 295.

3. c. MOTION: To change the prerequisites for GEOE 495 from the following:

Prerequisite(s): CE 295.

Prerequisite(s) or Corequisite(s): CE 320 and 12 credit units from GEOE 300-499.

To the following:

Prerequisite(s): GEOE 295 or CE 295.

Prerequisite(s) or Corequisite(s): CE 320 and 12 credit units from GEOE 300-499.

RATIONALE: Once Geological Engineering students take the proposed new course GEOE 295 rather than CE 295, GEOE 295 should replace CE 295 as a prerequisite for GEOE 495. During the transition from CE 295 to GEOE 295, either of these courses should be accepted as a prerequisite.

3. d. MOTION: To move CE 213 Mechanics of Materials from Term 2 to Term 1 of second year of the Geological Engineering program effective 2025-2026.

RATIONALE: The Civil, Geological, and Environmental Engineering Department approved this change for the Civil Engineering program at the June 12, 2024, Department meeting. The course timing will similarly need to change for the Geological Engineering program as this is a required course.

3. e. MOTION: To move CE 212 Civil Engineering Materials from Term 1 to Term 2 of second year of the Geological Engineering program as of 2025-2026.

RATIONALE: The Civil, Geological, and Environmental Engineering Department approved this change for the Civil Engineering program at the June 12, 2024, Department meeting. The course timing will similarly need to change for the Geological Engineering program as this is a required course.

The Future Catalogue mark-up should reflect these changes as follows:

Geological Engineering

Bachelor of Science in Engineering (B.E.) – Geological Engineering (152 credit units)

Year 2 (36 credit units)

Fall Term

- **CE 202.3** Spatial Analysis and Engineering Drawings
- ~~**CE 212.3** Civil Engineering Materials~~
- **CE 213.3** Mechanics of Materials
- **GE 210.3** Probability and Statistics
- **GEOL 121.3** Earth Processes
- **MATH 223.3** Calculus III for Engineers

Winter Term

- ~~**CE 213.3** Mechanics of Materials~~
- **CE 212.3** Civil Engineering Materials
- **CE 225.3** Fluid Mechanics
- ~~**CE 295.3** Design Project~~
- **GEOE 295.3** Design Project
- **GEOE 218.3** Engineering Geology
- **MATH 224.3** Calculus IV for Engineers

Fall Term or Winter Term

- **RCM 200.3** Effective Professional Communication
- 3 credit units Junior Humanities or Social Science Elective

University Course Challenge – November 2024
The curricular revisions listed below were approved through the Graduate Programs Committee of the College of Graduate and Postdoctoral Studies and are now submitted to the University Course Challenge for approval.

Contact: Chelsea Smith, CGPS Academic Affairs Specialist (chelsea.smith@usask.ca or gradprograms.academicaffairs@usask.ca)

EDWARDS SCHOOL OF BUSINESS

New Courses

MBA 823.3 Principles of Indigenous Business and Engagement in Canada
Catalogue Description: Principled relationships of Indigenous Nations, enterprises and people with mainstream business and institutions in Canada is critical to realizing mutual success and benefit for all across these lands. This course will guide and enable students through their learning, reflection and application of shared knowledge, skills and practices, all situated within Indigenous experience, engagement, communication, and relationships with business in Canada. Students will be guided along a structured learning journey building from their respective bases of knowledge, comfort and experience. This learning will actively develop, relate and apply purposeful and respectful knowledge, techniques and principles within Indigenous and Canadian business situations.
Prerequisite(s) or Corequisite(s): MBA 803.3
Term(s) offered: Term 1
Restriction(s): Restricted to students enrolled in the Edwards MBA Program.
Rationale: Stakeholder consultations have been happening on an on-going basis using survey formats as well as an in-person session in June 2023. A working group was then formed with faculty representatives from each of our academic departments and relevant administrative staff. Several meetings were held with presentations and discussions on the value proposition of our program, demographics, target market, environmental scan, combined programs, global and local trends in graduate management education, the University's and Edwards strategic priorities, learning outcomes, market needs, and available resources and competencies. One of the main things we learnt through these consultations was the gap in our program of an Indigenous or culturally focused course.

MBA 850.3 Digital Transformation
Catalogue Description: Digital transformation is an ongoing process of strategic renewal that uses advances in digital technologies to build capabilities that refresh or replace an organization's business model, collaborative approach, and culture. This MBA course delves into the social and technical dimensions of digital transformation, highlighting how emerging digital technologies are transforming both the strategic and operational aspects of organizations. It revolves around key technological trends, such as digital platforms, AI and data analytics, blockchain, and digital marketing technologies, with an emphasis on how these innovations enable and aid in the strategic renewal of organizations. The change enablers, such as organizational digital mindset and effective change processes, will also be discussed in the course. Through a blend of theoretical lectures and case-based learning, students will acquire a deep understanding of leading and managing digital

transformation. The course is crafted to prepare future business leaders with the essential skills and insights to enhance organizational resilience, competitiveness, and innovation in the digital era.
Prerequisite(s) or Corequisite(s): MBA 803.3
Term(s) offered: Term 2
Restriction(s): Restricted to students enrolled in the Edwards MBA Program.
Rationale: Stakeholder consultations have been happening on an on-going basis using survey formats as well as an in-person session in June 2023. A working group was then formed with faculty representatives from each of our academic departments and relevant administrative staff. Several meetings were held with presentations and discussions on the value proposition of our program, demographics, target market, environmental scan, combined programs, global and local trends in graduate management education, the University's and Edwards strategic priorities, learning outcomes, market needs, and available resources and competencies. One of the main things we learnt through these consultations was the gap in our program of an digital literacy/analytics course.

MBA 860.3 Financial Analysis
Catalogue Description: This course introduces students to the understanding of essential accounting and finance topics from a user perspective as opposed to a preparation perspective. The class will focus on understanding accounting fundamentals including revenues, expenses, assets, liabilities and equity. It will enable students to understand and interpret financial statements, make capital budget decisions, calculate values of stocks and bonds, manage working capital and analyze investments using Microsoft excel.
Prerequisite(s) or Corequisite(s): MBA 803.3
Term(s) offered: Term 1
Restriction(s): Restricted to students enrolled in the Edwards MBA Program.
Rationale: The aim of our MBA program is to give students a high-level strategic understanding of the core areas of business, and based on a review of our courses and through stakeholder engagement we've realized that the courses we offer in the finance and accounting areas may dive too deep for our students needs and the backgrounds they come into the program with. This course was developed with the intention of creating a finance/accounting analytics course that more accurately develops the skills necessary for the work that most of our graduates will do. It was developed by reviewing the learning goals of MBA 865 – Accounting for Planning and Decision Making and MBA 870 – Corporate Finance, and then combining the two into one introductory course which offered a higher strategic level on knowledge and skills. Additionally, this course was created with the intention of being the first of three courses that will make up the new Graduate Certificate in Financial Management.

Changes to Degree Requirements

Master of Business Administration
Degree Requirements

- **GPS 960.0** Introduction to Ethics and Integrity
- **GPS 961.0** Ethics and Integrity in Human Research, if research involves human subjects
- **GPS 962.0** Ethics and Integrity in Animal Research, if research involves animal subjects

A minimum 45 credit units including the following:

- **MBA 803.3** ~~Business and Society~~ Business Strategy and Societal Impact
- **MBA 813.3** Strategic Human Resources Management
- **MBA 819.3** Marketing for Organizational Decision Making
- **MBA 823.3** Principles of Indigenous Business and Engagement in Canada
- ~~**MBA 825.3** Financial Management~~
- **MBA 828.3** ~~Tactical Strategy~~ Strategy and Risk Management
- ~~**MBA 829.3** Financial Statement Analysis~~
- **MBA 830.3** Operations Management
- **MBA 846.3** Introduction to Entrepreneurship and Venture Development
- **MBA 850.3** Digital Transformation
- **MBA 860.3** Financial Analysis
- **MBA 865.3** Accounting for Planning and Decision Making
- **MBA 870.3** Corporate Finance
- **MBA 877.3** Leadership and Organizational Dynamics
- **MBA 878.3** International Business and Global Marketing
- ~~**MBA 885.3** Essential Management Skills~~
- **MBA 889.3** Innovation Management
- **MBA 992.3** Edwards MBA Capstone

New Concentration

Master of Business Administration
Edwards MBA Internship Program (EMIP) Concentration

Degree Requirements

- **GPS 960.0** Introduction to Ethics and Integrity
- **GPS 961.0** Ethics and Integrity in Human Research, if research involves human subjects
- **GPS 962.0** Ethics and Integrity in Animal Research, if research involves animal subjects

A minimum 45 credit units including the following:

- **MBA 803.3** ~~Business and Society~~ Business Strategy and Societal Impact
- **MBA 813.3** Strategic Human Resources Management
- **MBA 819.3** Marketing for Organizational Decision Making
- **MBA 823.3** Principles of Indigenous Business and Engagement in Canada
- **MBA 828.3** ~~Tactical Strategy~~ Strategy and Risk Management
- **MBA 830.3** Operations Management
- **MBA 846.3** Introduction to Entrepreneurship and Venture Development
- **MBA 850.3** Digital Transformation
- **MBA 860.3** Financial Analysis
- **MBA 865.3** Accounting for Planning and Decision Making
- **MBA 870.3** Corporate Finance
- **MBA 877.3** Leadership and Organizational Dynamics
- **MBA 878.3** International Business and Global Marketing

- **MBA 889.3** Innovation Management
- **MBA 992.3** Edwards MBA Capstone

- **MBA 879.0:** Edwards MBA Internship Program Part I
- **MBA 882.0:** Edwards MBA Internship Program Part II
- **MBA 884.0:** MBA Internship Program Part III *(optional)*

Graduate Certificate in Leadership

Certificate Requirements (9 credit units)
The Graduate Certificate in Leadership (GCL) is a three-course program that introduces students to the fundamentals of leadership. Graduates of this program will be effective leaders, understand the complex interplay between business and society, and be effective contributors to team performance.

All three of the courses in this program are fully transferrable to the Master of Business Administration (MBA) degree at the University of Saskatchewan.
Students must maintain continuous registration in **MBA 890.0** Leadership Seminar.

- MBA 803.3 ~~Business and Society~~ Business Strategy and Societal Impact
- MBA 813.3 Strategic Human Resources Management
- MBA 877.3 Leadership and Organizational Dynamics
- ~~MBA 885.3 Essential Management Skills~~
- MBA 890.0 Leadership Seminar

Juris Doctor (J.D.) and Master of Business Administration (M.B.A.) Combined Degree

- **Degree Requirements**
  GPS 960.0 Introduction to Ethics and Integrity
- **GPS 961.0** Ethics and Integrity in Human Research, if research involves human subjects
- **GPS 962.0** Ethics and Integrity in Animal Research, if research involves animal subjects
- **LAW 202.5** Contracts
- **LAW 203.5** Criminal Law
- **LAW 210.5** Property I
- **LAW 211.5** Tort Law I
- **LAW 230.5** Constitutional Law
- **LAW 232.3** Kwayeskastasowin Setting Things Right
- **LAW 244.0** Dispute Resolution
- **LAW 245.2** Legal Research and Writing
- LAW 300.0
- LAW 301.0
- Students must complete **3 credit units** from the following list of upper-year Indigenous Law courses, or equivalent, as approved by the Associate Dean, Academic:
  - **LAW 308.3** Global Indigenous Rights and Resource Development, LAW 313.3, **LAW 341.3** First Nations Economic Development, LAW 422.3, **LAW 436.3** Aboriginal

Law, **LAW 443.3** Indigenous Peoples and the Criminal Process, **LAW 447.3** Aboriginal Rights Moot, **LAW 453.3** Aboriginal Law and Policy in Canada, LAW 473.3, LAW 479.3, or LAW 480.3

- **LAW 340.3** Administrative Law I
- **LAW 421.3** Legal Ethics and Professionalism or **LAW 497.3** Legal Ethics Clinical Seminar
- **LAW 430.3** Negotiation
- **LAW 439.3** Mediation
- **LAW 467.3** Labour and Employment Law
- **MBA 803.3** ~~Business and Society~~ Business Strategy and Societal Impact
- **MBA 823.3** Principles of Indigenous Business and Engagement in Canada
- ~~**MBA 825.3** Financial Management~~
- **MBA 828.3** ~~Tactical Strategy~~ Strategy and Risk Management
- ~~**MBA 829.3** Financial Statement Analysis~~
- **MBA 830.3** Operations Management
- **MBA 850.3** Digital Transformation
- **MBA 860.3** Financial Analysis
- **MBA 865.3** Accounting for Planning and Decision Making
- **MBA 878.3** International Business and Global Marketing
- ~~**MBA 885.3** Essential Management Skills~~
- **MBA 889.3** Innovation Management
- **MBA 992.3** Edwards MBA Capstone
- **Choose two of the following**:
  - **MBA 819.3** Marketing for Organizational Decision Making
  - **MBA 846.3** Introduction to Entrepreneurship and Venture Development
  - **MBA 870.3** Corporate Finance
- **an additional 36 credit units** of LAW course work which must include a minimum of 3 credit units (with a minimum 60% average) from the following list of Seminar Classes or equivalent, as approved by the Associate Dean Academic (Year 2 or Year 3). The Seminar Class may meet more than one requirement. Choices are as follows:
  -
  - **LAW 305.3** Clinical Law
  - **LAW 341.3** First Nations Economic Development
  - **LAW 349.3** Housing Homelessness and the Law
  - LAW 393.3
  - LAW 400.3
  - **LAW 405.3** Advanced Criminal Law
  - **LAW 406.3** Law and Culture
  - **LAW 413.3** Current Issues in Law Reform
  - LAW 414.3
  - **LAW 416.3** Elder Law
  - **LAW 418.3** Sexual Assault
  - **LAW 420.3** Current Issues in Insolvency
  - LAW 422.3
  - **LAW 424.3** Sports Law
  - **LAW 426.3** Advanced Secured Transactions
  - LAW 429.3
  - **LAW 431.3** Advanced Constitutional Law
  - **LAW 432.3** Human Rights

- **LAW 433.3** Sallows Human Rights Seminar
- **LAW 435.3** Law and Economics
- **LAW 438.3** Economic Inequality Poverty and the Law
- LAW 442.3
- **LAW 443.3** Indigenous Peoples and the Criminal Process
- **LAW 446.3** Natural Resources Law
- **LAW 453.3** Aboriginal Law and Policy in Canada
- **LAW 458.3** Advanced Health Law
- **LAW 463.3** Fiduciary Obligations
- **LAW 465.3** Law Development and the International System
- **LAW 466.3** Youth Criminal Justice
- **LAW 468.3** Advanced Family Law
- LAW 470.3
- LAW 473.3
- **LAW 474.3** Children and Law
- LAW 479.3
- LAW 480.3
- **LAW 481.3** Business Regulation
- **LAW 482.3** Criminal Intensive Seminar
- LAW 485.3
- **LAW 486.3** Law and Psychiatry
- **LAW 488.3** Tax Policy
- **LAW 491.3** Clinical Law Seminar
- LAW 493.3
- LAW 494.3
- **LAW 497.3** Legal Ethics Clinical Seminar

*Students who choose to complete **LAW 497.3** Legal Ethics Clinical Seminar Legal Ethics Clinical Seminar must complete **LAW 492.12** Clinical Law Practicum Clinical Law Practicum concurrently. **LAW 492.12** Clinical Law Practicum Clinical Law Practicum will be counted toward the 15 credit unit course load per term required in Years 2 and 3.

Doctor of Pharmacy (Pharm.D.) and Master of Business Administration (M.B.A.) Combined Degree Program

Degree Requirements (200 credit units)
Students must complete the following course requirements:

Business Administration Courses:

- **MBA 803.3** ~~Business and Society~~ Business Strategy and Societal Impact
- **MBA 813.3** Strategic Human Resources Management
- **MBA 823.3** Principles of Indigenous Business and Engagement in Canada
- ~~**MBA 825.3** Financial Management~~
- **MBA 828.3** ~~Tactical Strategy~~ Strategy and Risk Management
- ~~**MBA 829.3** Financial Statement Analysis~~
- **MBA 830.3** Operations Management
- **MBA 846.3** Introduction to Entrepreneurship and Venture Development
- **MBA 850.3** Digital Transformation

- **MBA 860.3** Financial Analysis
- **MBA 865.3** Accounting for Planning and Decision Making
- **MBA 878.3** International Business and Global Marketing
- ~~**MBA 885.3** Essential Management Skills~~
- **MBA 889.3** Innovation Management
- **MBA 992.3** Edwards MBA Capstone

Choose one of the following:

- **MBA 819.3** Marketing for Organizational Decision Making
- **MBA 870.3** Corporate Finance

Pharmacy Courses:

- **PHAR 110.3** Introduction to Pharmacy and the Health Care System
- **PHAR 111.1** Foundations for Practice: Pharmacy Mathematics and Calculations
- **PHAR 112.1** Pharmacy Law
- **PHAR 121.3** Foundational Sciences 1: Foundational Pathophysiology & Pharmacology
- **PHAR 122.3** Foundational Sciences 2: Medicinal Chemistry and Physical Pharmacy
- **PHAR 123.3** Foundational Sciences 3: Foundational Pathophysiology and Pharmacology
- **PHAR 124.3** Foundational Sciences 4: Introduction to Pharmaceutics
- **PHAR 152.6** Pharmacotherapeutics 1
- **PHAR 153.4** Self-Care 1: Non-prescription Pharmaceuticals and Supplies
- **PHAR 154.3** Self-Care 2: Non-prescription Pharmaceuticals and Supplies
- **PHAR 162.3** Pharmacy Practice 1: The Patient Care Process
- **PHAR 170.3** Pharmacy Skills Development 1
- **PHAR 171.3** Pharmacy Skills Development 2
- **PHAR 185.4** Experiential Learning Introductory Pharmacy Practice Experience Community
- **PHAR 188.2** Experiential Learning 1
- **PHAR 189.2** Service Learning
- **PHAR 190.0** Introduction to Year 1
- **PHAR 191.1** IPE Activities
- **PHAR 192.1** IPE Activities
- **PHAR 193.0** Capstone Year 1
- **PHAR 212.1** Pharmacy Ethics
- **PHAR 213.3** Management 1
- **PHAR 224.3** Science of Pharmacotherapy 1: Pharmaceutics and Pharmaceutical Biotechnology
- **PHAR 225.3** Science of Pharmacotherapy 2: Clinical Applications
- **PHAR 226.3** Foundational Sciences 5 Pharmacokinetics and Biopharmaceutics
- **PHAR 253.6** Pharmacotherapeutics 2
- **PHAR 255.6** Pharmacotherapeutics 3
- **PHAR 262.1** Pharmacy Practice 2
- **PHAR 263.1** Pharmacy Practice 3
- **PHAR 271.3** Evidence Based Medicine
- **PHAR 272.3** Pharmacy Skills Development 3
- **PHAR 273.3** Pharmacy Skills Development 4
- **PHAR 285.4** Experiential Learning Introductory Pharmacy Practice Experience Hospital
- **PHAR 288.2** Experiential Learning 2
- **PHAR 290.0** Introduction to Year 2

- **PHAR 291.1** IPE Activities
- **PHAR 292.1** IPE Activities
- **PHAR 293.0** Capstone Year 2
- **PHAR 293.0** Capstone Year 2
- **PHAR 315.3** Issues in Health Care and Pharmacy Practice
- **PHAR 324.3** Science of Pharmacotherapy 3: Toxicology
- **PHAR 350.3** Pharmacotherapy in Special Populations
- **PHAR 358.6** Pharmacotherapeutics 4
- **PHAR 359.6** Pharmacotherapeutics 5
- **PHAR 367.1** Pharmacy Practice 5
- **PHAR 368.1** Pharmacy Practice 6
- **PHAR 374.3** Pharmacy Skills Development 5
- **PHAR 375.3** Pharmacy Skills Development 6
- **PHAR 388.2** Experiential Learning 3
- **PHAR 390.0** Introduction to Year 3
- **PHAR 391.1** IPE Activities
- **PHAR 392.1** IPE Activities
- **PHAR 395.3** Disease State Management Review and Update
- **PHAR 481.8** Experiential Learning Advanced Pharmacy Practice Experience 1 Hospital
- **PHAR 482.8** Experiential Learning Advanced Pharmacy Practice Experience 2 Community
- **PHAR 483.8** Experiential Learning Advanced Pharmacy Practice Experience 3 Other Direct Patient Care
- **PHAR 490.0** Introduction to Year 4
- **PHAR 493.0** Capstone Year 4

Choose either of the following 2 options:

1) **PHAR 484.8** Experiential Learning Advanced Pharmacy Practice Experience 4 Elective Practice

2) PHAR 485.4 and PHAR 486.4

ENGLISH

New course

ENG 802.3 Research Methods

Catalogue Description: ENG 802.3 is a Research Methods course designed to support professional skills development for Master's and Doctoral students in the Department of English. Its focus is the discipline of literary and textual studies: what we research, how we analyze texts and related materials, and how we propose, plan, and communicate the findings of our research projects. As well an overview of the basics of textual scholarship, the course will address research practices and supports, data management platforms, analytical and critical paradigms, and modes of research organization and dissemination. Discipline-specific assignments will be associated with each unit, enabling the direct application of skills towards degree-related outcomes, including the Master's Project Proposal, the Master's Thesis proposal, the PhD Fields Examination, and the PhD Dissertation Proposal, which represents the department's Doctoral Candidacy Assessment.

Term(s) offered: Terms 1 and 2

Weekly hours: 3 Seminar/Discussion hours

Prerequisite: Permission of the department required.

Restriction(s): Normally open to students in a Department of English Graduate Program

Note: Students may take this course more than once for credit, as the orientation and outcomes of the course differ substantially between a Master's-level and a Doctoral-level offering.
Rationale: The time to completion rates in the Department of English PhD program have risen considerably, approaching a post-pandemic average of close to 9 years. Given the financial burden and career delay that such timelines involve, and in keeping with the 24-month window for the Doctoral Candidacy Assessment, our goal has been to consider how we can best support student success and the timely completion of high-quality, impactful research projects. The department has thus researched other MA and PhD programs in English within and beyond U15 institutions to bring our program into better alignment with the current state of the discipline.

Degree Requirement Changes
Rationale for changes: Changes to the graduate programs below reflect the shift from ENG 801.3 to ENG 802.3 as a required course in both our MA and PhD degrees, clarification of required non-course-related degree requirements, and standardization of program requirements layout. The changes to the PhD program reflect also a reduction in required cus (from 18cu to 15 cu), and a revision of the PhD language requirement to increase clarity and consistency.

English Master of Arts (M.A.) - Thesis-based

Degree Requirements
Students must maintain continuous registration in ENG 994.0 Research – Thesis.

- GPS 960.0 Introduction to Ethics and Integrity
- GPS 961.0 Ethics and Integrity in Human Research, if research involves human subjects
- GPS 962.0 Ethics and Integrity in Animal Research, if research involves animal subjects
- ENG 990.0 Professional Development Seminar
- ENG 994.0 Research – Thesis
- ~~complete thesis and successful oral defence~~
- approval of thesis proposal
- successful completion of thesis and of oral defence

Minimum of 15 credit units of course work:
- ~~**ENG 801.3** Introduction to Textual Scholarship~~
- **ENG 802.3** Research Methods
- a minimum of 12 additional credit units at 800-level

English Master of Arts (M.A.) Project-based

Degree Requirements
Students must maintain continuous registration in ENG 992.0 Research – Project

- GPS 960.0 Introduction to Ethics and Integrity
- GPS 961.0 Ethics and Integrity in Human Research, if research involves human subjects
- GPS 962.0 Ethics and Integrity in Animal Research, if research involves animal subjects
- ENG 990.0 Professional Development Seminar
- ENG 992.0 Research – Project
- approval of project paper proposal
- successful completion of project paper

- ~~successfully complete project paper~~

Minimum of 18 credit units of course work:
- ~~**ENG 801.3** Introduction to Textual Scholarship~~
- **ENG 802.3** Research Methods
- a minimum of 15 additional credit units at the 800-level

English Transfer from M.A. to Ph.D.
With permission from the Graduate Committee, if circumstances warrant it, a student may transfer from the M.A. program to the Ph.D. program.

Degree Requirements
- GPS 960.0 Introduction to Ethics and Integrity
- GPS 961.0 Ethics and Integrity in Human Research, if research involves human subjects
- GPS 962.0 Ethics and Integrity in Animal Research, if research involves animal subjects
- **ENG 990.0** Professional Development Seminar
- **ENG 996.0** Research – Dissertation
- successful completion of PhD Field Examination
- successful completion of language requirement
- successful completion of doctoral candidacy assessment
- successful completion of dissertation and of oral defence

Minimum of 30 credit units of course work:
- ~~**ENG 801.3** Introduction to Textual Scholarship~~
- **ENG 802.3** Research Methods
- a minimum of 27 additional credit units at the 800-level

- ~~A minimum of 30 credit units at the 800-level~~
- ~~**ENG 801.3** Introduction to Textual Scholarship if not taken previously~~
- ~~**ENG 990.0** Professional Development Seminar~~
- ~~**ENG 996.0** Research – Dissertation~~
- ~~dissertation and successful oral defence~~
- ~~doctoral candidacy assessment~~
- ~~language requirement~~

English Doctor of Philosophy (Ph.D.)

Degree Requirements
Students must maintain continuous registration in ENG 996.0 Research – Dissertation.

- GPS 960.0 Introduction to Ethics and Integrity
- GPS 961.0 Ethics and Integrity in Human Research, if research involves human subjects
- GPS 962.0 Ethics and Integrity in Animal Research, if research involves animal subjects
- ~~**ENG 801.3** Introduction to Textual Scholarship if not taken previously~~
- ENG 990.0 Professional Development Seminar
- ENG 996.0 Research – Dissertation
- successful completion of PhD Field Examination
- successful completion of language requirement

- successful completion of doctoral candidacy assessment
- successful completion of dissertation and of oral defence

Minimum of 18 credit units of course work:

- **ENG 802.3** Research Methods
- a minimum of 15 additional credit units at the 800-level
- ~~a minimum of 18 credit units at the 800-level~~
- ~~dissertation and successful oral defence~~
- ~~doctoral candidacy assessment~~
- ~~language requirement~~

SCHOOL OF ENVIRONMENT AND SUSTAINABILITY
Changes to Degree Requirements

Doctor of Philosophy (Ph.D.) Environment and Sustainability
Degree Requirements
Students must maintain continuous registration in the ENVS 996 course.

- **GPS 960.0** Introduction to Ethics and Integrity
- **GPS 961.0** Ethics and Integrity in Human Research, if research involves human subjects
- **GPS 962.0** Ethics and Integrity in Animal Research, if research involves animal subjects

Students must complete a total of 6 credit units of course work ~~(as approved by the advisory committee)~~:

- **ENVS 809.3** Doctoral Seminar in Environment and Sustainability
- **ENVS 803.3** Research in Environment and Sustainability
- **ENVS 990.0** Seminar in Environment and Sustainability
- **ENVS 996.0** Research - Dissertation
- doctoral candidacy assessment
- dissertation defense
- ~~minimum 3 credit units of electives~~
- ~~students who have not previously taken an interdisciplinary master's degree are recommended to take ENVS 801.3 or ENVS 802.3~~

Rationale: These changes were made as part of SENS's consideration and revision of the candidacy requirements as directed from CGPS. A) ENVS 801 and 802 are no longer courses offered in SENS.
B) ENVS 803 is a course that results in a research proposal. This will allow PhD students to complete one component of their candidacy assessment in a timely fashion. Students may also have this course substituted (with permission) if they can demonstrate that they have previously completed a research proposal as part of prior training.

Master of Water Security
The Master of Water Security (M.W.S.) is an interdisciplinary project-based program that focuses on a holistic approach to water security.
Degree Requirements

- GPS 960.0 Introduction to Ethics and Integrity
- GPS 961.0 Ethics and Integrity in Human Research, if research involves human subjects
- GPS 962.0 Ethics and Integrity in Animal Research, if research involves animal subjects

Students must complete a total of 36 credit units, as follows:

- ENVS 805.3 Data Driven Solutions for Sustainability
- ENVS 806.3 Field Skills in Environment and Sustainability
- ENVS 815.3 Modelling for Water Security
- ENVS 816.3 Chemicals in Aquatic Systems
- ENVS 817.3 Fundamentals of Hydrogeology
- ENVS 819.3 Catchment Hydrology
- ENVS 820.3 Water and Human Health and Wellbeing
- ENVS 821.3 Sustainable Water Resources
- ENVS 829.3 River Lake and Wetland Science or ENVS 824.3 River Science
- ENVS 830.3 Water Policy and Management
- ENVS 990.0 Seminar in Environment and Sustainability
- ENVS 992.6 Research - Project
- ~~JSGS 870.3 Water Policy in an Age of Uncertainty~~

Rationale: The JSGS course was offered by Jeremy Raynor; however, with Dr. Raynor's retirement, JSGS has no-one to teach this course for us. Therefore, SENS decided to redesign and offer the course in-house as ENVS 830 (Water Policy and Management)—in consultation with JSGS (correspondence attached). This course has already been approved through University Course Challenge (July 2024).

FOR INFORMATION

AGRICULTURAL AND RESOURCE ECONOMICS

AREC 820.3 - Applied Microeconomic Theory
Current Description: A study of the application of economic theory to production economics and consumer demand systems. The course links static micro economic theory to the behavior of economic systems. This course includes a survey on the choice of functional form, the application of duality, in demand theory and the use of Bayesian econometrics to impose inequality restrictions in system estimation. The course also examines several aspects of technological change and dynamic problems involving risk and uncertainty.
Proposed Description: A study of the application of economic theory to production economics and consumer demand systems. The course links static micro economic theory to the behavior of economic systems. This course includes a survey on the choice of functional form, the application of duality, and other aspects related to econometric estimation. The course also examines aspects of welfare measurement, technological change and dynamic problems involving risk and uncertainty.

AREC 845.3 - Transportation Economics and Regulatory Policy
Current Description: Economic analysis of the Canadian transportation sector, with particular emphasis on the movement of agricultural commodities. Specific topics include an overview of basic operations research methods including linear programming and efficiency measurement, analysis of industrial organization and regulation in the transportation sector using contestability theory and the new empirical industrial organization (NEIO), an introduction to the economics of networks, and an examination of the link between transportation and economic development.
Proposed Description: Economic analysis of the Canadian transportation sector, with particular emphasis on the movement of agricultural commodities. Specific topics start with an overview of

basic operations research methods including linear programming, efficiency measurement and network analysis. The industrial organization and regulation of the freight transportation sector are then examined via contestability theory and new empirical industrial organization (NEIO) methods. Finally, links between transportation and economic development are identified.

AREC 890.3 - Research Procedures in Agricultural Economics
Current Description: Topics from the areas of the philosophical basis of research in agricultural economics, the methods of science as applied to economic problems, current issues and problematic aspects of both the methods and substance of research in agricultural economics and initiating, organizing, funding and utilizing the results from research are examined.
Proposed Description: The course develops an understanding of research starting with the philosophical basis of research and building to the crafting of a research question and the development of a complete research proposal. Students will develop their own research proposal through exposure and practice of appropriate research tools including critical review of literature, research methods and writing skills.

ANIMAL AND POULTRY SCIENCE

ANSC 815.3 - Advanced Ruminant Nutrition and Metabolism

Current Description: Covers the impact that nutrition has on ruminant metabolism in order to maintain optimal production throughout the animal's life. The main emphasis is on dairy and beef cattle. The role of nutrition in the metabolism of the fetus, the calf from birth to puberty, and of the pregnant and the lactating cow is covered. Advances in feed and animal biotechnology that may improve the efficiency of production and have an impact on metabolism are discussed. Students will be assigned to a local dairy farm, cow-calf operation, or feedlot so that they can apply the knowledge gained in this course to a practical situation. Some tours will be given.
Proposed Description: Covers the impact that nutrition has on ruminant metabolism in order to maintain optimal production throughout the animal's life. The main emphasis is on dairy and beef cattle. The role of nutrition in the metabolism of the fetus, the calf from birth to puberty, and of the pregnant and the lactating cow is covered. Advances in feed and animal biotechnology that may improve the efficiency of production and have an impact on metabolism are discussed. Some tours will be given.

ANSC 818.3 - Advanced Monogastric Nutrition
Current Note: Students with credit for ANSC 813 may not take this course for credit.
Proposed Note: Students with credit for ANSC 813 may not take this course for credit. Offered in alternate years.

APPLIED MICROBIOLOGY
APMC 825.3 Advanced Food Microbiology
Current Note(s): This course is mutually exclusive with FABS 325.3. This course cannot be taken for credit after previously taking FABS 325.3.
Proposed Note(s): Offered in alternate years. This course is mutually exclusive with FABS 325.3. This course cannot be taken for credit after previously taking FABS 325.3.

APMC 852.3 Advanced Quality Assurance and HACCP

Proposed Offered: Either Term 1 or Term 2
Proposed Weekly hours: 3 Lecture hours
Current Note: This course is mutually exclusive with FABS 452.3. This course cannot be taken for credit after previously taking FABS 452.3.
Proposed Note: Offered in alternate years. This course is mutually exclusive with FABS 452.3. This course cannot be taken for credit after previously taking FABS 452.3.

COMMUNITY HEALTH & EPIDEMIOLOGY

CHEP 823.2 - Introduction to Health Care and Public Health Systems
Current Description: This course is an introduction to health care and public health systems with some history, definitions, principles and challenges at local, national and global levels. Learners will be introduced to the variety of players intervening in these systems, and will become aware of continuous quality improvement research, data sources and frequently used health systems research methods.
Proposed Description: This course is an introduction to health care and public health systems with some history, definitions, principles and challenges at local, national and global levels. Learners will be introduced to the variety of players intervening in these systems and will become aware of frequently used health systems research methods.

EDUCATION

EFDT 843.3: Decolonizing Aboriginal Education
Current Title: Decolonizing Aboriginal Education
Proposed title: Decolonizing Indigenous Education

EFDT 848.3: Resilience in Aboriginal Education
Current Title: Resilience in Aboriginal Education
Proposed title: Resilience in Indigenous Education

EDWARDS SCHOOL OF BUSINESS

MBA 813.3 Strategic Human Resources Management
Current Prerequisite(s) or Corequisite(s): MBA 885.3
Proposed Prerequisite(s) or Corequisite(s): MBA 803.3

MBA 819.3 Marketing for Organizational Decision Making
Current Prerequisite(s) or Corequisite(s): MBA 885.3
Proposed Prerequisite(s) or Corequisite(s): MBA 803.3

MBA 828.3 Tactical Strategy
Current Prerequisite(s) or Corequisite(s): MBA 885.3
Proposed Prerequisite(s) or Corequisite(s): MBA 803.3

MBA 830.3 Operations Management
Current Prerequisite(s) or Corequisite(s): MBA 885.3

MBA 846.3 Introduction to Entrepreneurship and Venture Development
Current Prerequisite(s) or Corequisite(s): MBA 885.3
Proposed Prerequisite(s) or Corequisite(s): MBA 803.3

MBA 865.3 Accounting for Planning and Decision Making
Current Prerequisite(s) or Corequisite(s): MBA 885.3
Proposed Prerequisite(s) or Corequisite(s): MBA 803.3

MBA 870.3 Corporate Finance
Current Prerequisite(s) or Corequisite(s): MBA 885.3
Proposed Prerequisite(s) or Corequisite(s): MBA 803.3

MBA 877.3 Leadership and Organizational Dynamics
Current Prerequisite(s) or Corequisite(s): MBA 885.3
Proposed Prerequisite(s) or Corequisite(s): MBA 803.3

MBA 878.3 International Business and Global Marketing
Current Prerequisite(s) or Corequisite(s): MBA 885.3
Proposed Prerequisite(s) or Corequisite(s): MBA 803.3

MBA 889.3 Innovation Management
Current Prerequisite(s) or Corequisite(s): MBA 885.3
Proposed Prerequisite(s) or Corequisite(s): MBA 803.3

MBA 992.3 Edwards MBA Capstone
Current Prerequisite(s) or Corequisite(s): MBA 885.3
Proposed Prerequisite(s) or Corequisite(s): MBA 803.3

ENGLISH

ENG 801.3: Introduction to Textual Scholarship
Current Title: Introduction to Textual Scholarship
Proposed Title: **Topics in Textual Scholarship**
Current Description: An introduction to textual authority, including the study of bibliographic description, editorial technique, textual transmission, database searches, and the history of modes of publication.
Proposed Description: Particular topics in the study of textual authority, including bibliographic description, textual transmission, modes of publication, and editorial technique, such as digital methods.
Current Weekly hours: 2 Seminar/Discussion hours
Proposed Weekly hours: 3 Seminar/Discussion hours
Proposed Prerequisite: Permission of the department required.
Proposed Restriction(s): Normally open to students in a Department of English Graduate Program.

ENG 803.3: Topics in Literary and Cultural History
Current Weekly hours: 2 Seminar/Discussion hours
Proposed Weekly hours: 3 Seminar/Discussion hours
Proposed Prerequisite: Permission of the department required.
Proposed Restriction(s): Normally open to students in a Department of English Graduate Program.

ENG 805.3: Topics in Individual Authors
Particular topics in the work of an author writing in English, or on particular works in the author's oeuvre.
Current Weekly hours: 2 Seminar/Discussion hours
Proposed Weekly hours: 3 Seminar/Discussion hours
Proposed Prerequisite: Permission of the department required.
Proposed Restriction(s): Normally open to students in a Department of English Graduate Program.

ENG 811.3: Topics in National and Regional Literatures
Particular topics in national and regional literatures and constructions of nationality.
Current Weekly hours: 2 Seminar/Discussion hours
Proposed Weekly hours: 3 Seminar/Discussion hours
Proposed Prerequisite: Permission of the department required.
Proposed Restriction(s): Normally open to students in a Department of English Graduate Program.

ENG 817.3: Topics in Literary and Cultural Theory
Current Weekly hours: 2 Seminar/Discussion hours
Proposed Weekly hours: 3 Seminar/Discussion hours
Proposed Prerequisite: Permission of the department required.
Proposed Restriction(s): Normally open to students in a Department of English Graduate Program.

ENG 819.3: Topics in Methods and Texts
Current Weekly hours: 2 Seminar/Discussion hours
Proposed Weekly hours: 3 Seminar/Discussion hours
Proposed Prerequisite: Permission of the department required.
Proposed Restriction(s): Normally open to students in a Department of English Graduate Program.

ENG 843.3: Topics in Genres and Contexts
Current Weekly hours: 2 Seminar/Discussion hours
Proposed Weekly hours: 3 Seminar/Discussion hours
Proposed Prerequisite: Permission of the department required.
Proposed Restriction(s): Normally open to students in a Department of English Graduate Program.

ENG 898.3: Special Topics

Current Description: Offered occasionally in special situations. Students interested in these courses should contact the department for more information.
Proposed Description: Offered occasionally in special situations.
Current Weekly hours: 2 Seminar/Discussion hours
Proposed Weekly hours: 3 Seminar/Discussion hours
Proposed Prerequisite: Permission of the department required.
Proposed Restriction(s): Normally open to students in a Department of English Graduate Program.

ENG 899.6: Special Topics
Offered occasionally in special situations. Students interested in these courses should contact the department for more information.
Proposed Description: Offered occasionally in special situations.
Current Weekly hours: 2 Seminar/Discussion hours
Proposed Weekly hours: 3 Seminar/Discussion hours
Proposed Prerequisite: Permission of the department required.
Proposed Restriction(s): Normally open to students in a Department of English Graduate Program.

FOOD SCIENCE

FDSC 811.3 Plant and Microbial Lipids
Current Note(s): This course is mutually exclusive with FABS 411.3. This course cannot be taken for credit after previously taking FABS 411.3.
Proposed Note(s): Offered in alternate years. This course is mutually exclusive with FABS 411.3. This course cannot be taken for credit after previously taking FABS 411.3.

FDSC 817.3 Analytical Techniques in Food Science
Current Note(s): This course is mutually exclusive with FABS 317.3. This course cannot be taken for credit after previously taking FABS 317.3.
Proposed Note(s): Offered in alternate years. This course is mutually exclusive with FABS 317.3. This course cannot be taken for credit after previously taking FABS 317.3.

FDSC 845.3 Advanced Food Processing
Proposed Offered: Either Term 1 or Term 2
Proposed Weekly hours: 3 Lecture hours
Current Note(s): This course is mutually exclusive with FABS 345.3. This course cannot be taken for credit after previously taking FABS 345.3.
Proposed Note(s): Offered in alternate years. This course is mutually exclusive with FABS 345.3. This course cannot be taken for credit after previously taking FABS 345.3.

FDSC 850.3 Advanced Food Proteins
Current Note(s): This course is mutually exclusive with FABS 460.3. This course cannot be taken for credit after previously taking FABS 460.3.
Proposed Note(s): Offered in alternate years. This course is mutually exclusive with FABS 460.3. This course cannot be taken for credit after previously taking FABS 460.3.

FDSC 855.3 Functional Genomics in Food and Bioproducts
Proposed **Note:** Offered in alternate years.

FDSC 866.3 Advanced Food Carbohydrates
Proposed Note: Offered in alternate years. This course is mutually exclusive with FABS 466.3. This course cannot be taken for credit after previously taking FABS 466.3.

FDSC 871.13 Biotechnology in Food Chain
Proposed Offered: Either Term 1 or Term 2
Proposed Weekly hours: 3 Lecture hours
Current Note(s): This course is mutually exclusive with FABS 371.3. This course cannot be taken for credit after previously taking FABS 371.3.
Proposed Note(s): Offered in alternate years. This course is mutually exclusive with FABS 371.3. This course cannot be taken for credit after previously taking FABS 371.3.

FDSC 874.3 Industrial Application of Enzymes
Proposed Note(s): Offered in alternate years. This course is mutually exclusive with FABS 474.3. This course cannot be taken for credit after previously taking FABS 474.3.

FDSC 880.3 Emulsion Science and Technology
Proposed Offered: Term 1
Proposed Weekly hours: 3 Lecture hours
Proposed Note(s): Offered in alternate years.

FDSC 888.3 Nutrigenomics Nutrient-Genome Interactions
Proposed Note(s): Offered in alternate years.

NURSING

Master of Nursing Nurse Practitioner
Seat allocation
Current: The College of Nursing has allocated 5 equity seats for students of Indigenous ancestry annually
Proposed: 16.67% of seats will be reserved for students of Indigenous ancestry annually.

PLANT SCIENCES
PLSC 803.3 Advanced Plant Breeding
Current Description: Deals with important theoretical and applied issues related to crop improvement in both self-pollinated and cross-pollinated species. Theoretical aspects of artificial selection, genetic variability and population structure will be considered along with the practical implications of field testing, cultivar increase and release, and plant breeding regulations. There are additional non-refundable costs in addition to tuition fees.
Proposed Description: Deals with important theoretical and applied issues related to crop improvement in both self-pollinated and cross-pollinated species. Theoretical aspects of artificial

selection, genetic variability and population structure will be considered along with the practical implications of field testing, cultivar increase and release, and plant breeding regulations.
Current Note: There are additional non-refundable costs in addition to tuition fees.
Proposed Note: Only offered in alternate years. There are additional non-refundable costs in addition to tuition fees.

PLSC 833.3 Advanced Plant Ecology
Current Restriction: This course is restricted to students enrolled in the College of Graduate Studies and Research.
Proposed Restriction: n/a

PLSC 875.3 Insect Ecology
Current Note: This course is a hybrid course with PLSC 475, and this course cannot be taken for credit after previously taking PLSC 475.
Proposed Note: This course cannot be taken for credit after previously taking PLSC 475.

PLSC 881.3 Host-pathogen Interactions and Breeding for Disease Resistance in Plants

Current Description: Will provide students with an understanding of host-pathogen interactions in plants and with the genetic basis of breeding for disease resistance. Recent concepts in host-pathogen genetics and trends in disease resistance breeding will be considered.
Proposed Description: This course will provide students with an understanding of host-pathogen interactions in plants and with the genetic basis of breeding for disease resistance. Recent concepts in host-pathogen genetics and trends in disease resistance breeding will be considered.
Current Prerequisite(s): Introductory plant pathology and plant breeding courses or permission of the instructor.
Proposed Prerequisite(s): PLSC 260, PLSC 335 or BIOL 345, or permission of the instructor.

SCHOOL OF ENVIRONMENT AND SUSTAINABILITY

Environment and Sustainability Transfer to Ph.D. programs
Correction for Information:
Due to a Catalogue production error, the Catalogue has listed a Transfer pathway from the M.Ss. to the Ph.D. This program pathway was added to the Catalogue in error. The Transfer pathway exists for the M.E.S., but not the M.Ss. The error is being removed, as follows:

> **Environment and Sustainability - Transfer from ~~M.Ss. or~~ M.E.S. to Ph.D.**
>
> **Degree Requirements**
> Exceptional students may be recommended to transfer into a Ph.D. program without completing a Master's degree.
>
> **Degree Requirements**
> GPS 960.0 Introduction to Ethics and Integrity
> GPS 961.0 Ethics and Integrity in Human Research, if research involves human subjects
> GPS 962.0 Ethics and Integrity in Animal Research, if research involves animal subjects

18 credit units of course work
ENVS 990.0 Seminar in Environment and Sustainability
ENVS 996.0 Research – Dissertation doctoral candidacy assessment

SCHOOL OF ENVIRONMENT AND SUSTAINABILITY

ENVS 803.3: Research in Environment and Sustainability
Current Weekly hours: 3 Lecture hours
Proposed weekly hours: n/a
Proposed Restriction(s): Enrolment in a SENS graduate thesis program or permission from instructor

ENVS 805.3: Data Driven Solutions for Sustainability
Current Description: Environmental data management is complex because of its volume, qualitative and quantitative forms, and temporal and spatial characteristics. This course introduces students to statistical, qualitative, and visual methods of problem solving and data reduction and representation and describes methods for managing large and complex data sets.
Proposed Description: Environmental data management is complex because of its volume, qualitative and quantitative forms, and temporal and spatial characteristics. This course introduces students to statistical, qualitative, and visual methods of problem-solving and data reduction and representation and describes methods for managing large and complex data sets.
Current Weekly hours: 3 Lecture hours
Proposed weekly hours: n/a
Proposed Restriction(s): Students must be registered in the Master of Water Security (M.W.S.) program or have permission of the instructor.

ENVS 806.3: Field Skills in Environment and Sustainability
Current Description: This is a core course for the MWS program, which exposes students to field methods in water security related subjects, including hydrology, environmental science, water resources management, water and communities, and water and health. The course learning objectives include fundamentals of hydrology, fundamentals of social engagement, field skills in hydrology, and data collection and management.
Proposed Description: This course will provide hands-on training in a variety of practical field skills and techniques in ecological, hydrological, and/or social sciences related to communities and ecosystems. Students should be prepared to work in the outdoors.
Current Weekly hours: 3 Lecture hours
Proposed weekly hours: n/a
Current Restriction(s): Enrolment in a SENS graduate program or permission from instructor
Proposed Restriction(s): Students must be registered in the Master of Water Security (M.W.S.) program or have special permission by instructor.

ENVS 807.3: Sustainability in Theory and Practice
Current Weekly hours: 3 Lecture hours
Proposed weekly hours: n/a
Current Restriction(s): Enrolment in a SENS graduate program or special permission by instructor.

permission from instructor
Proposed Restriction(s): Students must be registered in the Master of Sustainability (MSs) program or have permission of the instructor.

ENVS 808.3: Tools and Applications for Sustainability Problem Solving
Current Weekly hours: 3 Lecture hours
Proposed weekly hours: n/a
Current Restriction(s): Enrolment in a SENS graduate program or permission from instructor
Proposed Restriction(s): Enrolment in a SENS graduate program or permission of the instructor

ENVS 809.3: Doctoral Seminar in Environment and Sustainability
Current Description: This seminar course will examine ideas, debates, and assumptions that underpin attempts to achieve "sustainability" and explore inter- and transdisciplinary research strategies to understand social-ecological systems and advance sustainability objectives. This course will foster professional research and critical review skills in students and provide guidance on academic writing.
Proposed Description: This seminar course is built around three major areas of focus—to identify and chart pathways to success in the SENS PhD program, to examine ideas, debates, and assumptions tied to "environment" and "sustainability" and explore inter- and transdisciplinary research strategies to support societal objectives in these areas, and to foster professional development skills, including competencies that PhD students at SENS are expected to demonstrate.
Current Weekly hours: 3 Lecture hours
Proposed weekly hours: n/a
Current Prerequisite(s): Enrolment in the SENS Ph.D. program. Course will be made available to students in Ph.D. programs of other units by permission from instructor.
Proposed Prerequisite(s): n/a
Proposed Restriction: Enrolment in the SENS Ph.D. program. Course will be made available to students in Ph.D. programs of other units by permission from instructor.

ENVS 813.3: Numerical Modelling for Environmental Scientists and Engineers
Current Weekly hours: 3 Lecture hours
Proposed weekly hours: n/a
Current Prerequisite(s): Enrolment in a graduate program in the School of Environment and Sustainability or permission of the instructor.
Proposed Prerequisite(s): n/a
Proposed Restriction: Enrolment in a graduate program in the SENS or permission of the instructor.

ENVS 814.3: Qualitative Methodologies
Current Description: Bridging theory and practice, this course provides an introduction to qualitative methodologies and methods. Throughout, students will develop their ability to articulate terminology, concepts, and criteria; journal using reflexive questions; compare and select methodologies and methods; and apply basic methods of data collection, data management, analysis; and reporting theoretically-ground research proposals, and improve quality through reflexivity.
Proposed Description: Bridging theory and practice, this course provides an introduction to qualitative methodologies and methods. Throughout, students will develop their ability to

articulate~~;~~ concepts~~,~~ and criteria; compare and select relevant methodologies and methods; apply methods data collection, data management, analysis~~;~~ theoretically-ground research proposals, and improve quality through reflexivity.
Current Weekly hours: 3 Lecture hours
Proposed weekly hours: n/a
Proposed Restriction(s): Enrolment in a graduate program in SENS or permission of the instructor.

ENVS 815.3: Modelling for Water Security
Proposed Restriction(s): Students must be registered in the Master of Water Security (M.W.S.) program or have permission of the instructor.

ENVS 816.3: Chemicals in Aquatic Systems
Current Prerequisite(s): Students must be registered in the Master of Water Security (M.W.S.) program~~;~~ or have permission of the instructor.
Proposed Prerequisite(s): n/a
Proposed Restriction(s): Students must be registered in the Master of Water Security (M.W.S.) program or have permission of the instructor.

ENVS 817.3: Fundamentals of Hydrogeology
Current Prerequisite(s): Students must be registered in the Master of Water Security (M.W.S.) program
Proposed Prerequisite(s): n/a
Proposed Restriction(s): Students must be registered in the Master of Water Security (M.W.S.) program~~-~~or have permission of the instructor.

ENVS 818.1: Introduction to Sustainability
Current Weekly hours: 3 Lecture hours
Proposed weekly hours: n/a
Proposed Restriction(s): Enrolment in a graduate program in SENS or permission of the instructor.

ENVS 819.3: Catchment Hydrology
Current Prerequisite(s): Students must be registered in the Master of Water Security program or have permission of the instructor.
Proposed Prerequisite(s): n/a
Proposed Restriction(s): Students must be registered in the Master of Water Security program~~-~~or have permission of the instructor.

ENVS 820.3: Water and Human Health and Wellbeing
Current Description: Students examine critical water-health issues through a distinctly interdisciplinary lens. Water and wellbeing connections from individual to chromosphere scales are explored via case study, epidemiological modelling, GIS, media fact-checking and assignments. Students deepen knowledge about roles of water in preserving social, cultural, economic and political resilience to health.]
Proposed Description: The course explores the intricate connections between water, human health, and well-being, with a particular focus on social justice issues both globally and within Canada. Through a combination of lectures, case studies, and guests, students will examine the disparities in water access and quality, the resulting impacts on health and wellbeing, and the efforts to address these inequities through policy, activism, and community initiatives. The course

is designed as a participatory seminar with guest lecturers, community leaders, videos, discussions and student presentations.
Current Prerequisite(s): Students must be registered in the Master of Water Security (M.W.S.) program
Proposed Prerequisite(s): n/a
Proposed Restriction(s): Students must be registered in the Master of Water Security (M.W.S.) program or have permission of the instructor.

ENVS 821.3: Sustainable Water Resources
Current Weekly hours: 3 Lecture hours
Proposed weekly hours: n/a
Proposed Restriction(s): Students must be registered in the Master of Water Security (M.W.S.) program or have permission of the instructor.

ENVS 822.3: Biodiversity Conservation and Sustainability
Proposed Restriction(s): Enrolment in a graduate program in SENS or permission of the instructor.

ENVS 824.3: River Science
Current Weekly hours: 3 Lecture hours
Proposed weekly hours: n/a
Current Prerequisite(s): Undergraduate degree in natural sciences or engineering, or special permission from instructor.
Proposed Prerequisite(s): n/a
Proposed Restriction(s): Students must be registered in the Master of Water Security (M.W.S.) program or have permission of the instructor.

ENVS 825.3: Water Resources Management in Cold Regions
Current Weekly hours: 3 Lecture hours
Proposed weekly hours: n/a
Current Prerequisite(s): An undergraduate degree.
Proposed Prerequisite(s): n/a
Proposed Restriction(s): Enrolment in a graduate program in SENS or permission of the instructor.

ENVS 826.3: Climate Change
Current Weekly hours: 3 Lecture hours
Proposed weekly hours: n/a
Current Prerequisite(s): An undergraduate degree in an environmental discipline.
Proposed Prerequisite(s): n/a
Proposed Restriction(s): Enrolment in a graduate program in SENS or permission of the instructor.

ENVS 828.3: Isotope Hydrology
Current Weekly hours: 1.5 Lecture hours and 2 Practicum/Lab hours
Proposed weekly hours: n/a
Current Prerequisite(s): Bachelor of Science.

Proposed Prerequisite(s): n/a
Proposed Restriction(s): -Enrolment in a graduate program in SENS or permission of the instructor.

ENVS 829.3: River Lake and Wetland Science
Current Prerequisite(s): Students must be registered in the Master of Water Security (M.W.S.) program; or have permission of the instructor.
Proposed Prerequisite(s): n/a
Proposed Restriction(s): Students must be registered in the Master of Water Security (M.W.S.) program or have permission of the instructor.

ENVS 830.3: Water Policy Management
Proposed Restriction(s): Students must be registered in the Master of Water Security (M.W.S.) program or have permission of the instructor.

ENVS 832.3: Risk Assessment and Negotiation of Environmental Issues
Current Weekly hours: 3 Lecture hours
Proposed weekly hours: n/a
Proposed Restriction(s): Enrolment in a graduate program in SENS or permission of the instructor.

ENVS 839.3: Ways of Knowing Through the Concept of Sustainability
This course is guided by a two-eyed seeing approach, weaving together Indigenous knowledge and Western knowledge systems. The foundations of an Indigenous worldview will be explored. Topics include Indigenous worldviews and ways of knowing, social and technical communication, sustainability, energy security, systems thinking, and communities.
Current Weekly hours: 3 Seminar/Discussion hours
Proposed weekly hours: n/a
Current Restriction(s): Students must be registered as a graduate student in SENS or special permission by instructor.
Proposed Restriction(s): Students must be registered in the Master of Sustainability (MSs) program or have permission of the instructor.

ENVS 840.3: Renewable Energy and Energy Transitions
Proposed Restriction(s): Students must be registered in the Master of Sustainability (MSs) program or have permission of the instructor.

ENVS 841.3: Renewable and Clean Energy Systems
This course introduces past, present, and future concepts of renewable energy generation specific to Indigenous, northern, remote, and rural communities. Students will be introduced to the concept of project development from multi-disciplinary perspectives.
Current Weekly hours: 3 Seminar/Discussion hours
Proposed weekly hours: n/a
Current Prerequisite(s): Admission to a graduate program in the School of Environment and Sustainability or permission of the instructor.
Proposed Prerequisite(s): n/a
Proposed Restriction(s): Students must be registered in the Master of Sustainability (MSs) program or have permission of the instructor.

ENVS 842.3: Community Economic Analysis and Renewable Energy
Current Weekly hours: 3 Lecture hours
Proposed weekly hours: n/a
Proposed Restriction(s): Students must be registered in the Master of Sustainability (MSs) program or have permission of the instructor.

ENVS 843.3: Introduction to Community Energy Development and Project Finance
Current Description: This introductory course provides basic tools to organize, assess, and monitor financial aspects of energy projects: project management, design, construction and timeline planning, financing options and regulatory requirements. Case studies will be used to understand the complex multi- disciplinary perspectives of energy projects while developing an individual course project.
Proposed Description: This introductory course provides an overview of the process and basic tools to organize, assess, and monitor energy projects with a focus on the financial aspects. The course covers all stages from conceptual ideas, stakeholder engagement through project management, design, construction, financial modelling, financing options, and regulatory requirements. Guest speakers, subject matter experts, and case studies will be used to understand the complex multi- disciplinary perspectives of energy projects.
Current Prerequisite(s): Admission to a graduate program in the School of Environment and Sustainability or permission of the instructor.
Proposed Prerequisite(s): n/a
Proposed Restriction(s): Students must be registered in the Master of Sustainability (MSs) program or have permission of the instructor.

ENVS 844.3: Community Vision and Engagement
Current Weekly hours: 3 Seminar/Discussion hours
Proposed weekly hours: n/a
Current Prerequisite(s): Admission to a graduate program in the School of Environment and Sustainability or permission of the instructor.
Proposed Prerequisite(s): n/a
Proposed Restriction(s): Students must be registered in the Master of Sustainability (MSs) program or have permission of the instructor.

ENVS 845.3: Project Development Government Law and Regulations
Current Weekly hours: 3 Lecture hours
Proposed weekly hours: n/a
Current Restriction(s): Students must be registered as a graduate student in SENS or special permission by instructor.
Proposed Restriction(s): Students must be registered in the Master of Sustainability (MSs) program or have permission of the instructor.

ENVS 846.3: Negotiations and Consultations in Sustainable Development
Current Weekly hours: 3 Seminar/Discussion hours
Proposed weekly hours: n/a
Current Restriction(s): Students must be registered as a graduate student in SENS or special permission by instructor.
Proposed Restriction(s): Students must be registered in the Master of Sustainability (MSs) program or have permission of the instructor.

ENVS 847.3: Data Collection for Community Energy Planning
Current Weekly hours: 3 Seminar/Discussion hours
Proposed weekly hours: n/a
Current Restriction(s): Students must be registered as a graduate student in SENS or special permission by instructor.
Proposed Restriction(s): Students must be registered in the Master of Sustainability (MSs) program or have permission of the instructor.

ENVS 848.3: Creating a Community Energy Plan
Current Weekly hours: 3 Lecture hours
Proposed weekly hours: n/a
Current Restriction(s): Students must be registered as a graduate student in SENS or special permission by instructor.
Proposed Restriction(s): Students must be registered in the Master of Sustainability (MSs) program or have permission of the instructor.

ENVS 852.3: From Systems to Design Thinking
Proposed Restriction(s): Students must be registered in the Master of Sustainability (MSs) program or have permission of the instructor.

ENVS 853.3: Regenerative Sustainability
Current Weekly hours: 3 Lecture hours
Proposed weekly hours: n/a
Proposed Restriction(s): Students must be registered in the Master of Sustainability (MSs) program or have permission of the instructor.

ENVS 855.3: Ecological Restoration
Current Weekly hours: 3 Lecture hours
Proposed weekly hours: n/a
Current Prerequisite: Permission of instructor required.
Proposed Prerequisite: n/a
Proposed Restriction(s): Enrolment in a graduate program in SENS or permission of the instructor.

ENVS 883.3: Environmental Governance
Current Weekly hours: 2 Lecture hours and 3 Seminar/Discussion hours
Proposed Weekly hours:
Proposed Restriction(s): Enrolment in a graduate program in SENS or permission of the instructor.

ENVS 898.3: Special Topics
Offered occasionally by visiting faculty and in other special situations. Students interested in these courses should contact the school for more information.
Current Weekly hours: 3 Lecture hours
Proposed weekly hours: n/a
Current Prerequisite: Registration in a graduate program
Proposed Prerequisite: n/a

Proposed Restriction(s): Enrolment in a graduate program in SENS or permission of the instructor.

ENVS 899.6: Special Topics
Current Weekly hours: 3 Lecture hours
Proposed weekly hours: n/a
Current Prerequisite: Registration in a graduate program
Proposed Prerequisite: n/a
Proposed Restriction(s): Enrolment in a graduate program in SENS or permission of the instructor.

SOIL SCIENCE

SLSC 826.3: Physical Chemical and Biological Characterization of Soils
Current Prerequisite(s): Students must complete SLSC 825.3 – Field Studies and Research Design of Saskatchewan Soil Landscapes prior to registering in SLSC 826.3.
Proposed Prerequisite(s): Students must complete SLSC 825.3 – Field Studies and Research Design of Saskatchewan Soil Landscapes prior to registering in SLSC 826.3 or receive permission of the instructor.

TOXICOLOGY

TOX 870.3 - Introduction to Chemical Risk Assessment and Problem Formulation
Current Offered: Either Term 1 or Term 2
Proposed Offered: Term 1

TOX 872.3 - Environmental Exposure Characterization
Current Prerequisite(s): Permission of the instructor; Students need a bachelor's degree in a science-related discipline (e.g., environmental science, toxicology, biology, chemistry, health sciences, or a related discipline), or they must have equivalent scientific and technical experience from work or other educational and training program.
Proposed Prerequisite(s): Permission of the instructor; Students must have one graduate level course in ecology or environmental biology and one course in general or environmental chemistry.

TOX 873.3 - Principles of Ecotoxicological Hazard Characterization
Current Prerequisite(s): TOX 870.3 and TOX 871.3
Proposed Prerequisite(s): Permission of the instructor; Students need a bachelor's degree in environmental science, toxicology, biology, chemistry, or a related discipline, or they must have equivalent scientific and technical experience from work or other educational and training programs.

TOX 876.3 - Approaches Models and Tools for Characterizing Exposure and Hazard
Current Prerequisite(s): TOX 872.3 and TOX 873.3.

Proposed Prerequisite(s): Permission of the instructor; Students need a bachelor's degree in a science-related discipline (e.g., environmental science, toxicology, biology, chemistry, health sciences, or a related discipline), or they must have equivalent scientific and technical experience from work or other educational and training program. They must also have completed TOX 872 and TOX 873, or equivalent.

TOX 877.3 - Practical Skills for Characterizing the Exposome

Current Prerequisite(s): TOX 872.3 and TOX 873.3.
Proposed Prerequisite(s): Permission of the instructor; Students need a bachelor's degree in a science-related discipline (e.g., environmental science, toxicology, biology, chemistry, health sciences, or a related discipline), or they must have equivalent scientific and technical experience from work or other educational and training program. They must also have completed TOX 872 and TOX 873, or equivalent. Completion of TOX 876 is strongly recommended.

TOX 878.3 - Practical Skills for Characterizing Hazard
Current Prerequisite(s): TOX 872.3 and TOX 873.3.
Proposed Prerequisite(s): Permission of the instructor; Students need a bachelor's degree in a science-related discipline (e.g., environmental science, toxicology, biology, chemistry, health sciences, or a related discipline), or they must have equivalent scientific and technical experience from work or other educational and training program. They must also have completed TOX 872 and TOX 873, or equivalent. Completion of TOX 876 is strongly recommended.

TOX 879.3 - Risk Assessment and Regulatory Systems
Current Prerequisite(s): TOX 870.3 and TOX 871.3.
Proposed Prerequisite(s): Permission of the instructor; Students need a bachelor's degree in a science-related discipline (e.g., environmental science, toxicology, biology, chemistry, health sciences, or a related discipline), or they must have equivalent scientific and technical experience from work or other educational and training program. They must also have completed TOX 872 and TOX 873, or equivalent.

TOX 880.3 - Sustainable Chemical Risk Characterization for Decision Making
Current Prerequisite(s): Students must have completed TOX 870.3 and TOX 876.3 and at least 2 other courses (6 CU) from the Chemical Risk Assessment (MRA) program to enroll in this course or have obtained comparable knowledge through employment or other training.
Proposed Prerequisite(s): Permission of the instructor; Students need a bachelor's degree in a science-related discipline (e.g., environmental science, toxicology, biology, chemistry, health sciences, or a related discipline), or they must have equivalent scientific and technical experience from work or other educational and training program. They must also have completed TOX 870 and TOX 876 and at least 2 other courses (6 CU) from the MRA program, or equivalent.

TOX 885.3 - Environmental Effects Assessment and Monitoring
Proposed Offered: Term 2
Proposed Weekly hours: 3 Lecture hours

University Course Challenge, College of Nursing
The following motions were approved at the November 4, 2024 College of Nursing Faculty Council meeting and are being proposed here for final approval:

Motion: The Undergraduate Education committee recommends Faculty Council to approve adding the following course to the undergraduate restricted elective list: PHAR 351.3: Exploring Substance Use Disorders: Understanding, Treating, and Healing Through an Interdisciplinary Approach.

Motion: The Undergraduate Education committee recommends Faculty Council to approve adding the following course to the undergraduate restricted elective list: NUTR 200.3 Introduction to Nutrition in Fitness, Sport, and Health.

Rationale:

- The courses have been reviewed by College of Nursing faculty and have been approved to be included in our restricted elective list.
- Saskatoon has a large student cohort that will benefit from the courses

- **Pre Professional Year 1**
- **Nursing Year 2**
- **Nursing Year 3**

Nursing Year 4

- **NURS 422.3** Issues in Leadership and Management Transformative Practice in Health Care Organizations
- **NURS 430.3** Community Health Nursing Building Partnerships
- **NURS 431.6** Community Nursing Practice*
- **NURS 440.3** Interprofessional Perspectives Health Systems and Policy Development within a Global Context
- **NURS 441.3** Transitioning to Professional Practice
- **NURS 450.9** Practice Integration*
- Restricted elective (3 credit units). Students will choose one of the eligible electives from the Restricted Electives List below. Students must complete the Restricted Elective at the same time or before **NURS 431.6** Community Nursing Practice and **NURS 450.9** Practice Integration

*Students are expected to have at least one clinical experience outside of the city in which they study.

Restricted Electives List

To receive credit for a restricted elective, the course must have been completed within the last 6 years from the date of admission to the program. A grade of 60% will be required to receive credit from courses taken outside the College of Nursing.

University of Saskatchewan:

- **AGMD 800.3** Public Health and Agricultural Rural Ecosystem PHARE
- ARCH 472.3
- **CHEP 402.3** Global Health and Local Communities Issues and Approaches
- **CHEP 403.3** Global Health II

- COMM 306.3 Ethics and Strategic Decision Making
- COMM 384.3 Workplace Health and Safety
- EFDT 301.3 Educator Identity in Contexts Anti Oppressive and Ethical Beginnings
- EFDT 435.3 Critical Perspectives in Educational Thought and Values
- EFDT 335.3
- ENVS 401.3 Sustainability in Action
- EPSE 302.3
- INDG 230.3 Gender in Traditional and Contemporary Indigenous Societies
- INDG 264.3 Aboriginal People and Canadian Politics
- INDG 265.3 Aboriginal People and Development
- KIN 232.3 Physical Activity in Society
- KIN 423.3 Adapted Physical Activity
- KIN 424.3 Aging and Activity
- KIN 426.3 Cardiovascular Exercise Pathophysiology
- NURS 405.3 Environmental Sustainability in Health Care
- NURS 410.3 History of Health Systems Public Health and Nursing in Canada
- NURS 478.3 Rural Nursing
- NURS 486.3 Forensic Nursing
- NUTR 200.3 Introduction to Nutrition in Fitness, Sport, and Health
- NUTR 310.3 Food Culture and Human Nutrition
- PHAR 351.3 Exploring Substance Use Disorders: Understanding, Treating, and Healing Through an Interdisciplinary Approach
- PHIL 224.3 Philosophy of Sexuality
- PHIL 231.3 Moral Problems
- PHIL 234.3 Biomedical Ethics
- PHIL 293.3 Philosophy of Death
- POLS 222.3 Indigenous Governance and Politics
- POLS 262.3 Global Governance
- PSY 207.3 Psychology of Death and Dying
- PSY 213.3 Child Development
- PSY 214.3 Adolescent Development
- PSY 216.3 Psychology of Aging
- PSY 222.3 Personality
- PSY 223.3 Abnormal Psychology
- PSY 226.3 Social Psychology
- PSY 227.3 Human Sexuality
- PSY 230.3 Criminal Behaviour
- PSY 246.3 Introduction to Human Neuropsychology
- PSY 253.3 Introduction to Cognitive Psychology
- PSY 260.3 Health Psychology
- RLST 282.3 Religious Perspectives on Death and Dying
- SOC 203.3 Race and Ethnic Relations in Canada
- SOC 204.3 Rural Sociology and Rural Development
- SOC 205.3 Comparative Race and Ethnic Relations

- **SOC 214.3** Social Control
- **SOC 227.6** Critical Issues in Canadian Society
- **SOC 219.3** Indigenous Peoples and Justice in Canada
- SOC 235.3
- **SOC 238.3** Sociology of Health Illness and Health Care
- **SOC 242.3** Introduction to Sociology of Womens Studies
- **SOC 415.3** Selected Problems in Social Control
- **TOX 402.3** Systemic Toxicology
- **WGST 201.3** Images of Gender and Sexuality in Popular Culture
- **WGST 210.3** Gendered Perspectives on Current Events

Athabasca University:
Saskatchewan Polytechnic:
University of Regina

Contact: Donna Ludwar

University Course Challenge – November 2024

The following curricular changes were approved by the Pharmacy Program Advisory Committee and are being submitted to the November 2024 University Course Challenge for approval.

Contact: Charity Evans (charity.evans@usask.ca)

NEW COURSES

PHAR 353.3
Applied Geriatric Pharmacotherapy

This course will give students with a special interest in geriatrics the opportunity to apply foundational pharmacotherapeutic knowledge to older adult care using a case-based, interactive approach. Students will build on concepts introduced in the core curriculum to address the needs of complex older adult care seen in specialty care settings, such as long-term care homes. Topics that will be covered include Parkinson's disease, dementia and responsive behaviours, frailty, falls and palliative/end-of-life care.
Restriction(s): Completion of Year 2 of the PharmD. Program
NOTE: Students with credit for PHAR 398.3 Geriatrics cannot take this course for credit.

Rationale: Year 3 of the PharmD program requires students complete 3 credit unit PHAR elective in Term 2. PHAR 353.3 is one of the elective courses that will be offered to students. It was previously offered as a 398 special topics course.

PHAR 355.3
Natural Health Products

This interactive course will introduce students to natural health products commonly found in community pharmacies and those frequently used by the public for both minor ailments and for common disorders. Students will learn about the current Health Canada approval process for natural health products, pharmacology and toxicology of common herbals, nutritional supplements and vitamins, and about the role of natural health care practitioners. They will also consider why patients use nontraditional therapeutics in the context of modern medical therapy. Emphasis will be placed on sourcing and using reliable drug information about natural health products for the purpose of developing professional skills in counseling patients and in evaluating drug interactions.
Prerequisite(s): PHAR 121.3; PHAR 123.3
Restriction(s): Completion of Year 2 of the PharmD. Program
NOTE: Students with credit for PHAR 398.3 Natural Health Products cannot take this course for credit.

Rationale: Year 3 of the PharmD program requires students complete 3 credit unit PHAR elective in Term 2. PHAR 355.3 is one of the elective courses that will be offered to students. It was previously offered as a 398 special topics course.