

## Academic Programs Committee of Council

### University Course Challenge

Scheduled posting: **May 2025**

Date of circulation: **May 16, 2025**

Date approval is effective if no challenge received: **May 31, 2025**

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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 of Engineering

College of Graduate and Postdoctoral Studies

College of Law

College of Nursing

Edwards School of Business

The next scheduled posting will be **June 16, 2025** with a submission deadline of **June 11, 2025**. Urgent items can be posted on request.

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

## **University Course Challenge – May 2025**

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](mailto:alexis.dahl@usask.ca))

## **Biochemistry, Microbiology and Immunology**

### **New course(s)**

#### **BMIS 450.3 Molecular Bases of Symbiosis and Microbiomes**

1 (3L/S) An introduction to the molecular bases of multiorganismal interactions from theory to well-established models involving microbes. This course emphasizes the importance of functional biological units and methods to study interactions between organisms. After an introduction to the field, students will read and present relevant literature.

Prerequisite(s): BMIS 325.3

Note: Students with credit for BMIS 498.3 Molecular Basis of Symbiosis and Microbiomes may not have credit for this course.

Instructor(s): Tony Ruzzini

Rationale: This course fills a void in current undergraduate programming and has been delivered twice as BMIS 498.3. Most programs in microbiology have historically focused on pathogens and provide an excellent framework for students to learn about infectious disease. This course focuses on mutualisms and the roles that complex bacterial communities play in the context of animal health and disease.

### **Minor course revisions**

#### **BMIS 423.3 Immunopathogenesis**

Prerequisite change:

Current prerequisite(s): BMIS 321.3

New prerequisite(s): BMIS 321.3 and BMIS 390.3.

New course title: **Advanced Immunology**

New course description: Building off the knowledge learned from BMIS 321, this course takes a deeper dive into the cellular and molecular mechanisms as well as functions of the immune system. Topics to be discussed include but are not limited to congenital and acquired immunodeficiencies, autoimmunity, transplant immunology, tumor immunology and immune responses to infection.

Rationale: This course will now be taught by faculty instead of sessionals. The faculty members are updating the content and agree that adding BMIS 390 to the prerequisites will reduce the need to reteach content and help to ensure student success.

## **Biology**

### **Minor course revisions**

#### **BIOL 228.3 An Introduction to Ecology and Ecosystems**

Prerequisite change:

Current prerequisite(s): BIOL 108 or BIOL 121 or GEOG 120 or 6 credit units in GEOL.

New prerequisite(s): BIOL 121.3

Change to lab requirements: Increase to 4 Practicum hours from 3.

New course title: **Ecology in a Changing World**

New course description: Today, the line between natural and human-dominated ecosystems is increasingly unclear. This course introduces ecological principles within the context of environmental change. Topics may include individual-level ecology with a focus on behaviour, population ecology addressing growth, density dependence, and life history, community-level interactions such as competition, predation, parasitism, and mutualism, and broader patterns in biodiversity, biogeochemical cycling, and global change biology in aquatic and terrestrial systems. Students will develop quantitative

skills and apply ecological concepts to real-world issues through both lectures and a field-based practicum.

Rationale: The new course title and description for BIOL 228 provides a more contemporary and comprehensive overview of ecology and the topics discussed in the course. The updated description emphasizes the interplay between natural ecosystems and human influences, acknowledging the blurred line between these two domains and expressly acknowledges concepts like climate change. It is more inclusive of all the levels of ecology including preparatory material for advanced courses in animal behaviour, population ecology, community ecology, and parasitology (for example) taught in the Department of Biology. The updated course description also advertises the development of quantitative skills and the field-based practicum in the course.

BIOL 228 builds on topics taught in BIOL 121 and this is now proposed as the sole prerequisite. The existing prerequisites are a holdover from the days when BIOL 228 was the principal ecology course for the closed, interdisciplinary Land Use and Environmental Studies (LUEST) program. This course is not required in any of the successor programs to LUEST other than the Environmental Biology program which will be unaffected by the prerequisite change.

### **Canadian Literature in English**

#### **Minor program revisions:**

#### **Minor in Canadian Literature in English**

Incorporate course revisions, new courses and deleted courses into the program, and reorganize requirements as shown below.

#### **Requirements (21 credit units)**

##### **Requirement One:**

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

- **ENG — 100-Level**

##### **Requirement Two:**

- **ENG 255.3** Mapping Canadian Literature

##### **Requirement Three:**

Choose ~~12~~ **6 credit units** from the following:

- ~~**ENG 242.3** Indigenous Storytelling of the Prairies~~
- **ENG 254.3** Canadian Speculative Fiction
- ~~**ENG 259.3** Western Canadian Literature~~
- ~~**ENG 294.3** Techniques of Canadian Poetry from Sonnet to Spoken Word~~
- ~~**ENG 305.3** Canadian Fiction from Beginnings to 1960~~
- ~~**ENG 335.3** The Emergence of Indigenous Literatures in Canada~~
- ~~**ENG 338.3** Contemporary North American Indigenous Literatures~~
- **ENG 352.3** Canadian Fiction
- **ENG 355.3** Canadian Poetry
- **ENG 358.3** Canadian Drama
- ~~**ENG 359.3** Western Canadian Literature~~
- ~~**ENG 382.3** Canadian Fiction from 1960 to the Present~~

- [ENG 418.3](#) Topics in 19th Century Canadian Literature
- [ENG 466.3](#) Topics in 20th Century Canadian Literature

#### Requirement Four:

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

- [ENG 242.3](#) Indigenous Storytelling of the Prairies
- [ENG 243.3](#) Introduction to Indigenous Literatures
- [ENG 254.3](#) Canadian Speculative Fiction
- [ENG 259.3](#) Western Canadian Literature
- [ENG 335.3](#) The Emergence of Indigenous Literatures in Canada
- [ENG 338.3](#) Contemporary North American Indigenous Literatures
- [ENG 352.3](#) Canadian Fiction
- [ENG 355.3](#) Canadian Poetry
- [ENG 358.3](#) Canadian Drama
- [ENG 382.3](#) Canadian Fiction from 1960 to the Present
- [ENG 418.3](#) Topics in 19th Century Canadian Literature
- [ENG 466.3](#) Topics in 20th Century Canadian Literature
- [ENG 412.3](#) Topics in Indigenous Literatures (Note: Specific topic must have at least 50% Canadian content)

Rationale: The department of English is rationalizing the Canadian literature offerings by revising the level of two courses (poetry and Western Canadian literature) to reflect the pattern of other English literature courses, and is combining two others (fiction) to reduce our offerings and make them more parallel to courses in other genres. These changes to the Minor reflect those revisions. We are also taking this opportunity to add two recently approved Indigenous literature courses to the Minor. Since there are now so many Indigenous literature courses to choose from, and most include literature from south of the Canadian border, the Canadian and Indigenous literature specialists in the department have agreed to divide the Minor requirements, so that students are taking a total of 9 cu Canadian literature (Requirement 2, ENG 255 Mapping Canadian Literature, plus Requirement 3, 6-cu of Canadian literature credits). Students will still be able to count up to two Indigenous literature courses toward the Minor, through Requirement 4. This is similar to choices for completing the Minor when it was first created, at a time when there were fewer Indigenous literature courses on offer. As a final rationale, we want to maintain a clear distinction between the Canadian Literature in English Minor and the Certificate in the Study of Indigenous Storytelling.

#### English

##### Minor program revisions:

##### **Bachelor of Arts Honours, Double Honours, Four-year, and Three-year and Minor in English**

Reflect course revisions, new courses and course deletions proposed below.

##### [Bachelor of Arts Honours \(B.A. Honours\) - English](#)

A4 Major Requirement (60 credit units)

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##### Category 4: 20th & 21st Century

- [ENG 242.3](#) Indigenous Storytelling of the Prairies
- [ENG 243.3](#) Introduction to Indigenous Literatures
- [ENG 255.3](#) Mapping Canadian Literature

- [ENG 259.3](#) Western Canadian Literature
- ~~[ENG 305.3](#) Canadian Fiction from Beginnings to 1960~~
- [ENG 330.3](#)
- [ENG 338.3](#) Contemporary North American Indigenous Literatures
- [ENG 352.3](#) Canadian Fiction
- [ENG 355.3](#) Canadian Poetry
- [ENG 358.3](#) Canadian Drama
- ~~[ENG 359.3](#) Western Canadian Literature~~
- [ENG 360.3](#)
- [ENG 363.3](#) Approaches to 20th and 21st Century Fiction
- [ENG 368.3](#) Approaches to 20th and 21st Century Poetry
- [ENG 377.3](#) Approaches to Modern and Contemporary Drama
- [ENG 381.3](#) American Literature from 1900 to the Present
- ~~[ENG 382.3](#) Canadian Fiction from 1960 to the Present~~
- [ENG 384.3](#) British and Irish Literature from 1900 to the Present
- [ENG 446.3](#) Topics in Genres and Contexts of Modern Literature
- [ENG 460.3](#) Topics in 20th Century British and Irish Literature
- [ENG 464.3](#) Topics in 20th Century American Literature
- [ENG 466.3](#) Topics in 20th Century Canadian Literature

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**Further A4 Major Requirements:**

- (a) 12 of the 54 senior credit units must be at the 300-level
- (b) 12 of the 54 senior credit units must be at the 400-level
- (c) At least 3 credit units from [ENG 242.3](#) Indigenous Storytelling of the Prairies, [ENG 243.3](#) Introduction to Indigenous Literatures, [ENG 335.3](#) The Emergence of Indigenous Literatures in Canada or [ENG 338.3](#) Contemporary North American Indigenous Literatures to meet the **Indigenous Learning** requirement
- (d) 3 of the 54 senior credit units must be a Canadian course
  - [ENG 254.3](#) Canadian Speculative Fiction
  - [ENG 255.3](#) Mapping Canadian Literature
  - [ENG 259.3](#) Western Canadian Literature
  - ~~[ENG 294.3](#) Techniques of Canadian Poetry from Sonnet to Spoken Word~~
  - ~~[ENG 305.3](#) Canadian Fiction from Beginnings to 1960~~
  - [ENG 352.3](#) Canadian Fiction
  - [ENG 355.3](#) Canadian Poetry
  - [ENG 358.3](#) Canadian Drama
  - ~~[ENG 359.3](#) Western Canadian Literature~~
  - ~~[ENG 382.3](#) Canadian Fiction from 1960 to the Present~~
  - [ENG 418.3](#) Topics in 19th Century Canadian Literature
  - [ENG 466.3](#) Topics in 20th Century Canadian Literature
- (e) Honours students must enroll in [ENG 497.0](#) Honours Colloquium in their final year.
- (f) No more than 6 credit units of non-ENG courses may be used to fulfill the Major Requirement.

## Bachelor of Arts Four-year (B.A. Four-year) - English

A4 Major Requirement (39 credit units)

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### Category 4: 20th & 21st Century

- [ENG 242.3](#) Indigenous Storytelling of the Prairies
- [ENG 243.3](#) Introduction to Indigenous Literatures
- [ENG 255.3](#) Mapping Canadian Literature
- [ENG 259.3](#) Western Canadian Literature
- ~~[ENG 305.3](#) Canadian Fiction from Beginnings to 1960~~
- [ENG 330.3](#)
- [ENG 338.3](#) Contemporary North American Indigenous Literatures
- [ENG 352.3](#) Canadian Fiction
- [ENG 355.3](#) Canadian Poetry
- [ENG 358.3](#) Canadian Drama
- ~~[ENG 359.3](#) Western Canadian Literature~~
- [ENG 360.3](#)
- [ENG 363.3](#) Approaches to 20th and 21st Century Fiction
- [ENG 368.3](#) Approaches to 20th and 21st Century Poetry
- [ENG 377.3](#) Approaches to Modern and Contemporary Drama
- [ENG 381.3](#) American Literature from 1900 to the Present
- ~~[ENG 382.3](#) Canadian Fiction from 1960 to the Present~~
- [ENG 384.3](#) British and Irish Literature from 1900 to the Present
- [ENG 446.3](#) Topics in Genres and Contexts of Modern Literature
- [ENG 460.3](#) Topics in 20th Century British and Irish Literature
- [ENG 464.3](#) Topics in 20th Century American Literature
- [ENG 466.3](#) Topics in 20th Century Canadian Literature

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### Further A4 Major Requirements:

(a) At least 15 of the 33 senior credit units must be at the 300-level or the 400-level. (400-level classes may be taken after consultation with the Department's Undergraduate Chair.)

(b) At least 3 credit units from [ENG 242.3](#) Indigenous Storytelling of the Prairies, [ENG 243.3](#) Introduction to Indigenous Literatures, [ENG 335.3](#) The Emergence of Indigenous Literatures in Canada or [ENG 338.3](#) Contemporary North American Indigenous Literatures to meet the **Indigenous Learning** requirement

(c) At least 3 of the 30 senior credit units must be a Canadian course

- [ENG 254.3](#) Canadian Speculative Fiction
- [ENG 255.3](#) Mapping Canadian Literature
- [ENG 259.3](#) Western Canadian Literature
- ~~[ENG 294.3](#) Techniques of Canadian Poetry from Sonnet to Spoken Word~~
- ~~[ENG 305.3](#) Canadian Fiction from Beginnings to 1960~~
- [ENG 352.3](#) Canadian Fiction
- [ENG 355.3](#) Canadian Poetry
- [ENG 358.3](#) Canadian Drama
- ~~[ENG 359.3](#) Western Canadian Literature~~
- ~~[ENG 382.3](#) Canadian Fiction from 1960 to the Present~~

- [ENG 418.3](#) Topics in 19th Century Canadian Literature
- [ENG 466.3](#) Topics in 20th Century Canadian Literature

**Bachelor of Arts Three-year (B.A. Three-year) - English**  
**A4 Major Requirement (42 credit units)**

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**Category 4: 20th & 21st Century**

- [ENG 242.3](#) Indigenous Storytelling of the Prairies
- [ENG 243.3](#) Introduction to Indigenous Literatures
- [ENG 255.3](#) Mapping Canadian Literature
- [ENG 259.3](#) Western Canadian Literature
- ~~[ENG 305.3](#) Canadian Fiction from Beginnings to 1960~~
- [ENG 330.3](#)
- [ENG 338.3](#) Contemporary North American Indigenous Literatures
- [ENG 352.3](#) Canadian Fiction
- [ENG 355.3](#) Canadian Poetry
- [ENG 358.3](#) Canadian Drama
- ~~[ENG 359.3](#) Western Canadian Literature~~
- [ENG 360.3](#)
- [ENG 363.3](#) Approaches to 20th and 21st Century Fiction
- [ENG 368.3](#) Approaches to 20th and 21st Century Poetry
- [ENG 377.3](#) Approaches to Modern and Contemporary Drama
- [ENG 381.3](#) American Literature from 1900 to the Present
- ~~[ENG 382.3](#) Canadian Fiction from 1960 to the Present~~
- [ENG 384.3](#) British and Irish Literature from 1900 to the Present
- [ENG 446.3](#) Topics in Genres and Contexts of Modern Literature
- [ENG 460.3](#) Topics in 20th Century British and Irish Literature
- [ENG 464.3](#) Topics in 20th Century American Literature
- [ENG 466.3](#) Topics in 20th Century Canadian Literature

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**Further A4 Major Requirements:**

a) 12 of the required 42 credit units must be at the 300-level

(b) 6 of the required 42 credit units must be at the 400-level

(c) At least 3 credit units from [ENG 242.3](#) Indigenous Storytelling of the Prairies, [ENG 243.3](#) Introduction to Indigenous Literatures, [ENG 335.3](#) The Emergence of Indigenous Literatures in Canada or [ENG 338.3](#) Contemporary North American Indigenous Literatures to meet the Indigenous Learning requirement

(d) 3 of the required 30 credit units must be a Canadian course

- [ENG 254.3](#) Canadian Speculative Fiction
- [ENG 255.3](#) Mapping Canadian Literature
- [ENG 259.3](#) Western Canadian Literature
- ~~[ENG 294.3](#) Techniques of Canadian Poetry from Sonnet to Spoken Word~~
- ~~[ENG 305.3](#) Canadian Fiction from Beginnings to 1960~~

- [ENG 352.3](#) Canadian Fiction
- [ENG 355.3](#) Canadian Poetry
- [ENG 358.3](#) Canadian Drama
- ~~[ENG 359.3](#) Western Canadian Literature~~
- ~~[ENG 382.3](#) Canadian Fiction from 1960 to the Present~~
- [ENG 418.3](#) Topics in 19th Century Canadian Literature
- [ENG 466.3](#) Topics in 20th Century Canadian Literature

(e) Honours students must enroll in [ENG 497.0](#) Honours Colloquium in their final year.

### **Bachelor of Arts Double Honours - English - Major 1**

**A4 Major Requirement (42 credit units)**

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#### **Category 4: 20th & 21st Century**

- [ENG 242.3](#) Indigenous Storytelling of the Prairies
- [ENG 243.3](#) Introduction to Indigenous Literatures
- [ENG 255.3](#) Mapping Canadian Literature
- [ENG 259.3](#) Western Canadian Literature
- ~~[ENG 305.3](#) Canadian Fiction from Beginnings to 1960~~
- [ENG 330.3](#)
- [ENG 338.3](#) Contemporary North American Indigenous Literatures
- [ENG 352.3](#) Canadian Fiction
- [ENG 355.3](#) Canadian Poetry
- [ENG 358.3](#) Canadian Drama
- ~~[ENG 359.3](#) Western Canadian Literature~~
- [ENG 360.3](#)
- [ENG 363.3](#) Approaches to 20th and 21st Century Fiction
- [ENG 368.3](#) Approaches to 20th and 21st Century Poetry
- [ENG 377.3](#) Approaches to Modern and Contemporary Drama
- [ENG 381.3](#) American Literature from 1900 to the Present
- ~~[ENG 382.3](#) Canadian Fiction from 1960 to the Present~~
- [ENG 384.3](#) British and Irish Literature from 1900 to the Present
- [ENG 446.3](#) Topics in Genres and Contexts of Modern Literature
- [ENG 460.3](#) Topics in 20th Century British and Irish Literature
- [ENG 464.3](#) Topics in 20th Century American Literature
- [ENG 466.3](#) Topics in 20th Century Canadian Literature

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#### **Further A4 Major Requirements:**

a) 12 of the required 42 credit units must be at the 300-level

(b) 6 of the required 42 credit units must be at the 400-level

(c) At least 3 credit units from [ENG 242.3](#) Indigenous Storytelling of the Prairies, [ENG 243.3](#) Introduction to Indigenous Literatures, [ENG 335.3](#) The Emergence of Indigenous Literatures in Canada or [ENG 338.3](#) Contemporary North American Indigenous Literatures to meet the Indigenous Learning requirement



(d) 3 of the required 30 credit units must be a Canadian course

- ENG 254.3 Canadian Speculative Fiction
- ENG 255.3 Mapping Canadian Literature
- ENG 259.3 Western Canadian Literature
- ~~ENG 294.3 Techniques of Canadian Poetry from Sonnet to Spoken Word~~
- ~~ENG 305.3 Canadian Fiction from Beginnings to 1960~~
- ENG 352.3 Canadian Fiction
- ENG 355.3 Canadian Poetry
- ENG 358.3 Canadian Drama
- ~~ENG 359.3 Western Canadian Literature~~
- ~~ENG 382.3 Canadian Fiction from 1960 to the Present~~
- ENG 418.3 Topics in 19th Century Canadian Literature
- ENG 466.3 Topics in 20th Century Canadian Literature

(e) Honours students must enroll in ENG 497.0 Honours Colloquium in their final year.

### Double Honours - English - Major 2

Requirements (42 credit units)

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#### Category 4: 20th & 21st Century

- ENG 242.3 Indigenous Storytelling of the Prairies
- ENG 243.3 Introduction to Indigenous Literatures
- ENG 255.3 Mapping Canadian Literature
- ENG 259.3 Western Canadian Literature
- ~~ENG 305.3 Canadian Fiction from Beginnings to 1960~~
- ENG 330.3
- ENG 338.3 Contemporary North American Indigenous Literatures
- ENG 352.3 Canadian Fiction
- ENG 355.3 Canadian Poetry
- ENG 358.3 Canadian Drama
- ~~ENG 359.3 Western Canadian Literature~~
- ENG 360.3
- ENG 363.3 Approaches to 20th and 21st Century Fiction
- ENG 368.3 Approaches to 20th and 21st Century Poetry
- ENG 377.3 Approaches to Modern and Contemporary Drama
- ENG 381.3 American Literature from 1900 to the Present
- ~~ENG 382.3 Canadian Fiction from 1960 to the Present~~
- ENG 384.3 British and Irish Literature from 1900 to the Present
- ENG 446.3 Topics in Genres and Contexts of Modern Literature
- ENG 460.3 Topics in 20th Century British and Irish Literature
- ENG 464.3 Topics in 20th Century American Literature
- ENG 466.3 Topics in 20th Century Canadian Literature

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#### Additional Requirements:

(a) 12 of the required 42 credit units must be at the 300-level

(b) 6 of the required 42 credit units must be at the 400-level

(c) At least 3 credit units from [ENG 242.3](#) Indigenous Storytelling of the Prairies, [ENG 243.3](#) Introduction to Indigenous Literatures, [ENG 335.3](#) The Emergence of Indigenous Literatures in Canada or [ENG 338.5](#) Contemporary North American Indigenous Literatures to meet the **Indigenous Learning** requirement

(d) 3 of the required 30 credit units must be a Canadian course

- [ENG 254.3](#) Canadian Speculative Fiction
- [ENG 255.3](#) Mapping Canadian Literature
- [ENG 259.3](#) Western Canadian Literature
- ~~[ENG 294.3](#) Techniques of Canadian Poetry from Sonnet to Spoken Word~~
- ~~[ENG 305.3](#) Canadian Fiction from Beginnings to 1960~~
- [ENG 352.3](#) Canadian Fiction
- [ENG 355.3](#) Canadian Poetry
- [ENG 358.3](#) Canadian Drama
- ~~[ENG 359.3](#) Western Canadian Literature~~
- ~~[ENG 382.3](#) Canadian Fiction from 1960 to the Present~~
- [ENG 418.3](#) Topics in 19th Century Canadian Literature
- [ENG 466.3](#) Topics in 20th Century Canadian Literature

(e) Honours students must enroll in [ENG 497.0](#) Honours Colloquium in their final year.

Rationale: The department of English is rationalizing the Canadian literature offerings by revising the levels of two courses (poetry and Western Canadian literature) to reflect the pattern of other English literature courses, and is combining two others (fiction) to reduce our offerings and make them more parallel to courses in other genres. These changes reflect those revisions.

**New course(s):**

**ENG 352.3 Canadian Fiction** – for implementation in 202605

1/2 (3L) This course studies Canadian prose in English from the 18th century to the present. It examines the roots of Canadian fiction in Indigenous oratures and exploration and settlement writing; considers turn-of-the-century ideas about Canadian identity and social issues; studies prairie realist and modernist/post-modernist fiction; and concludes with examinations of contemporary regional, diasporic, and Indigenous writings.

Prerequisite(s) or Co-Requisite(s): 3 credit units of 200-level English.

Note: Students with credit for ENG 305 or ENG 382 may not take this course for credit. Category 4 course.

Instructor(s): Wendy Roy, Kevin Flynn, Jessica McDonald

Rationale: This course will replace ENG 305 Canadian Fiction to 1960 and ENG 382 Canadian Fiction from 1960 to the Present. The Department of English is rationalizing its course offerings in Canadian literature, creating one course in Canadian fiction parallel to courses at the same level in Canadian poetry and Canadian drama. As with its predecessors, the course will remain in Category 4 and can be used to fill the Canadian Literature requirement in all of our programs.

**Course deletion(s):**

**ENG 305.3 Canadian Fiction from Beginnings to 1960** – for implementation in 202605

**ENG 382.3 Canadian Fiction from 1960 to the Present** – for implementation in 202605

Rationale: As part of rationalizing Canadian literature offerings in the Department of English, these courses have been combined into ENG 352.3 Canadian Fiction.

### **Minor course revisions:**

**ENG 294.3 Techniques of Canadian Poetry from Sonnet to Spoken Word** – for implementation in 202605

New course number: **355.3**

Prerequisite change:

Current prerequisite(s): 6 credit units of 100-level ENG.

New prerequisite(s) or co-requisite(s): 3 credit units of 200-level ENG.

New Note: Students with credit for ENG 294 may not take this course for credit. Category 4 course.

New course title: **Canadian Poetry**

New course description: This course engages with diverse poets, texts, and movements to study Canadian poetry from the 19th-century sonnet to contemporary spoken word. Critical methodology includes examination of rhyme, rhythm and meter, imagery and symbolism, figurative language, sound devices, and the conventions of verse forms.

Rationale: This change is part of a rationalization of the Canadian literature courses offered by the Department of English. Third-year courses in the department typically provide advanced study of a genre or form. Canadian poetry fits this category, since it follows introductory, multi-genre courses such as ENG 255.3 Mapping Canadian Literature by offering the opportunity to study Canadian poetry in more depth. As such, it parallels current third-year courses in Canadian Drama and Canadian Fiction.

**ENG 359.3 Western Canadian Literature** – for implementation in 202605

New course number: **259.3**

Prerequisite change:

Current prerequisite(s) or co-requisite(s): 3 credit units of 200-level ENG.

New prerequisite(s) or co-requisite(s): 6 credit units of 100-level ENG.

Change to Note:

Old Note: Category 4 course.

New Note: Students with credit for ENG 359 may not take this course for credit. Category 4 course.

Rationale: This change is part of a rationalization of the Canadian literature courses offered by the Department of English. Second-year courses in the department are typically either introductory to a genre or national/geographical literature, or are "of interest" courses that attract students from outside the discipline. Western Canadian Literature fulfills both of these categories, since it is both an introductory course and a course that is popular among students who are not English majors, and therefore it makes sense to move it to the 200-level.

## **Health Studies**

### **Minor program revisions**

#### **Bachelor of Arts and Science Honours and Four-year in Health Studies**

Remove BMSC 207 as a required course in the Individual, Society and Health – Drugs and Health cluster to remove the credit unit ranges from the J4-B1 and J5 sections.

### **Bachelor of Arts and Science Honours (B.A.&Sc. Honours) - Health Studies - Individual, Society and Health**

J4 Major Requirement (63-~~66~~ credit units)

- **HLST 110.3** Introduction to Health Studies
- **HLST 210.3** Introduction to Quantitative and Qualitative Research Methods in Health Studies
- **HLST 310.3** Theories and Applications in Health Studies
- **HLST 410.6** Honours Thesis in Health Studies

Students must choose one of the options upon entering the Health Studies program. Concentration within a stream of study, including specific clusters of courses, facilitates depth in specific areas, thus facilitating job training in particular areas or further study in specific disciplines. The approved courses within each

stream are listed, but other appropriate courses may be jointly approved by the Program Chair and the Undergraduate Student Office.

### **Option B: Individual, Society, and Health (48 - 51 credit units)**

Individual, Society and Health ("IS&H"): Focusing on health at the level of the individual and society, this stream emphasizes those processes and factors that affect an individual's health. Students focusing on this stream will develop an appreciation for how an individual human's health involves an interaction between the individual's physiological functioning and social factors.

Within Option B students must take courses from at least 4 subjects.

#### **B1. Choose one of the following Science clusters (12 ~~–15~~ credit units):**

At least 3 credit units must be at the 300-level or higher.

\*Students with credit for BMSC 207 or BMSC 208 (formerly [PHSI 208.6](#)) may not subsequently receive credit for BIOL 224. Students may receive credit for all of BIOL 224 and BMSC 207 and BMSC 208 only if BIOL 224 is completed first, or if BIOL 224 and BMSC 207 are taken concurrently. BIOL 224 is a prerequisite for a number of senior Biology courses including BIOL 317; BMSC 207 and BMSC 208 are prerequisites for most 300-level CPPS and NEUR courses.

#### **i. Drugs and Health:**

- One of [TOX 300.3](#) General Principles of Toxicology, or [FABS 362.3](#) Functional Foods and Nutraceuticals
- ~~[BMSC 207.3](#) Human Body Systems I\*~~
- [BMSC 208.3](#) Human Body Systems II\* (BMSC 208.3 requires BMSC 207.3 as a prerequisite. This course may be used to fulfill B4 or B5 below.)
- [CPPS 304.3](#) Introduction to Pharmacology
- [CPPS 306.3](#) Systems Pharmacology I Cardiorespiratory Renal Gastrointestinal and Neuropharmacology or [CPPS 307.3](#) Systems Pharmacology II Chemotherapy Immune and Endocrine Pharmacology

#### **ii. Disease and Health:**

- 6 credit units of [BMIS 308.3](#) An Introduction to Microbial Pathogens, [BMIS 321.3](#) Introduction to Immunology, [BMIS 423.3](#) Immunopathogenesis, or [BIOL 436.3](#) Animal Parasitology
- [BMSC 200.3](#) Biomolecules
- [BMSC 210.3](#) Microbiology

#### **iii. Food and Health:**

- [FABS 110.3](#) The Science of Food
- [FABS 212.3](#) Agrifood and Resources Microbiology or [BMSC 210.3](#) Microbiology
- [NUTR 120.3](#) Basic Nutrition
- One of [FABS 323.3](#) Food Additives and Toxicants, [FABS 325.3](#) Food Microbiology and Safety, [FABS 362.3](#) Functional Foods and Nutraceuticals, or [FABS 371.3](#) Food Biotechnology

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#### **J5 Electives (~~18~~-21 credit units)**

Arts and Science courses, or those from other Colleges that have been approved for Arts and Science credit, to complete the requirements for 120 credit unit Honours program. Of the 120 credit units required at least 66 must be at the 200-level or higher.

If you require further assistance, please contact the Arts & Science Undergraduate Student Office.

#### **Bachelor of Arts and Science Four-year (B.A.&Sc. Four-year) - Health Studies- Individual, Society and Health**

##### **J4 Major Requirement (57-~~60~~ credit units)**

- **HLST 110.3** Introduction to Health Studies
- **HLST 210.3** Introduction to Quantitative and Qualitative Research Methods in Health Studies
- **HLST 310.3** Theories and Applications in Health Studies

Students must choose one of the options upon entering the Health Studies program. Concentration within a stream of study, including specific clusters of courses, facilitates depth in specific areas, thus facilitating job training in particular areas or further study in specific disciplines. The approved courses within each stream are listed, but other appropriate courses may be jointly approved by the Program Chair and the Undergraduate Student Office.

#### **Option B: Individual, Society, and Health (48 - 51 credit units)**

Individual, Society and Health ("IS&H"): Focusing on health at the level of the individual and society, this stream emphasizes those processes and factors that affect an individual's health. Students focusing on this stream will develop an appreciation for how an individual human's health involves an interaction between the individual's physiological functioning and social factors.

Within Option B students must take courses from at least 4 subjects.

#### **B1. Choose one of the following Science clusters (12-~~15~~ credit units):**

At least 3 credit units must be at the 300-level or higher.

\*Students with credit for BMSC 207 or BMSC 208 (formerly PHSI 208.6) may not subsequently receive credit for BIOL 224. Students may receive credit for all of BIOL 224 and BMSC 207 and BMSC 208 only if BIOL 224 is completed first, or if BIOL 224 and BMSC 207 are taken concurrently. BIOL 224 is a prerequisite for a number of senior Biology courses including BIOL 317; BMSC 207 and BMSC 208 are prerequisites for most 300-level CPPS and NEUR courses.

#### **i. Drugs and Health:**

- One of **TOX 300.3** General Principles of Toxicology, or **FABS 362.3** Functional Foods and Nutraceuticals
- ~~**BMSC 207.3** Human Body Systems I\*~~

- **BMSC 208.3** Human Body Systems II\* (BMSC 208.3 requires BMSC 207.3 as a prerequisite. This course may be used to fulfill B4 or B5 below.)
- **CPPS 304.3** Introduction to Pharmacology
- **CPPS 306.3** Systems Pharmacology I Cardiorespiratory Renal Gastrointestinal and Neuropharmacology or **CPPS 307.3** Systems Pharmacology II Chemotherapy Immune and Endocrine Pharmacology

## ii. Disease and Health:

- 6 credit units of **BMIS 308.3** An Introduction to Microbial Pathogens, **BMIS 321.3** Introduction to Immunology, **BMIS 423.3** Immunopathogenesis, or **BIOL 436.3** Animal Parasitology
- **BMSC 200.3** Biomolecules
- **BMSC 210.3** Microbiology

## iii. Food and Health:

- **FABS 110.3** The Science of Food
- **FABS 212.3** Agrifood and Resources Microbiology or **BMSC 210.3** Microbiology
- **NUTR 120.3** Basic Nutrition
- One of **FABS 323.3** Food Additives and Toxicants, **FABS 325.3** Food Microbiology and Safety, **FABS 362.3** Functional Foods and Nutraceuticals, or **FABS 371.3** Food Biotechnology

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## J5 Electives (~~24~~-27 credit units)

Arts and Science courses, or those from other Colleges that have been approved for Arts and Science credit, to complete the requirements for 120 credit unit Four-year program. Of the 120 credit units required at least 66 must be at the 200-level or higher.

If you require further assistance, please contact the Arts & Science Undergraduate Student Office.

Rationale: Students who select the Drugs and Health cluster will still need to take BMSC 207 (as the prerequisite for BMSC 208), but it can be counted in the B4 or B5 section instead. Removing the credit unit ranges from J4 (B1) and J5 makes the program easier to understand and allows Degree Works to better show students the courses they need.

## Physics

### Minor course revisions

**PHYS 472.3 Particle Accelerator Physics and Synchrotron Radiation**

**PHYS 473.3 High Energy Particle Accelerators for Physics Research**

Prerequisite change:

Current prerequisite(s): PHYS 356 and EP 253

New prerequisite(s): PHYS 356.3; and one of: PHYS 404.3, PHYS 453.2, EP 202.3, EP 253.1, EP 353.2, EP 354.2, EP 413.3.

Rationale: The prerequisite changes will allow more students to participate in the classes. The new options for prerequisites offer all of the necessary laboratory experiences.

**PHYS 481.3 Quantum Mechanics II**

Prerequisite change:

Current prerequisite(s): PHYS 383.3; and MATH 164.3 (formerly MATH 264.3) or MATH 266.3; and EP 320.3, MATH 331.3, or MATH 339.3.

New prerequisite(s): PHYS 383.3; and MATH 164.3 or MATH 133.4.

Rationale: The current prerequisites prevent students in Engineering Physics from registering on their own, so overrides are needed. Adding MATH 133 will fix that problem and will still ensure that students have the necessary preparation to be successful in the course. Redundant prerequisites have been removed.

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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.

**Music****Minor course revision:****MUS 438.3 Seminar in Instrumental Conducting**

Prerequisite change:

Current prerequisite(s) or co-requisite(s): MUS 325 or permission of the undergraduate program chair of music.

New prerequisite(s): MUS 225.3 or MUS 325.3.

Rationale: MUS 325 was renumbered to MUS 225.3.

## College of Engineering - University Course Challenge Submission, MAY 2025

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

#### Civil Engineering

1. **Motion:** To remove CE 202.3 (*Spatial Analysis and Engineering Drawings*) from the list of prerequisites for CE 395.3 (*Transportation Design Project*), change the prerequisites as follows:

**Current prerequisites:** CE 202.3, CE 329.3, CE 315.3, CE 320.3, GE 348.3, RCM 200.3

**New prerequisites:** ~~CE 202.3~~, CE 329.3, CE 315.3, CE 320.3, GE 348.3, RCM 200.3

**Rationale:** Since CE 202 is a prerequisite for CE 329 (*Transportation Engineering I*), and CE 329 is a prerequisite for CE 395, CE 202 does not have to be listed as a prerequisite for CE 395.

2. **Motion:** To change the prerequisites and corequisites for CE 320.3 (*Project Engineering*), beginning in 2026 - 2027

From:

**Prerequisites:** CE 295.3 or ENVE 201.3

**Prerequisite(s) or Corequisite(s):** GE 348.3

**Restriction(s):** Students must be in the third or fourth year of their studies to register in this course.

To:

**Prerequisites:** none

**Prerequisite(s) or Corequisite(s):** GE 348.3

**Restriction(s):** Students must be in the third or fourth year of their studies to register in this course.

**Rationale:** In the revised CE program, CE 295 (*Design Project*) has been replaced with CE 395 (*Transportation Design Project*), which is now taught in Term 2 of 3<sup>rd</sup> year, while CE 320 is in Term 1 of 3<sup>rd</sup> year. The main restriction is that students must be in the third or fourth year of their studies. Note that a student can be classified as third-year when they have completed 70% of second year of the program.

3. **Motion:** To replace CE 329.3 (*Transportation Engineering I*) with CE 395.3 (*Transportation Design Project*) as a prerequisite for CE 417.3 (*Pavement Materials and Design*) effective 2027-28, revising the prerequisites

From:

**Prerequisites:** CE 328.3 (taken) and CE 329.3

To:

**Prerequisites:** CE 328.3 (taken) and CE 395.3

**Rationale:** In the revised CE program, CE 329 (*Transportation Engineering I*) is a prerequisite for CE 395 (*Transportation Design Project*), and it is expected that students complete CE 395 prior to taking CE 417.



## Geological Engineering

4. **Motion:** To change the prerequisites for GEOE 377.3 (Fundamentals of Mining and Mineral Processing) as follows:

From:

**Prerequisites:** (GEOL 102 and (GE 213 or CE 213)) or corequisite of GEOL 465

To:

**Prerequisites:** (GEOL 102 and (GE 213 or CE 213)) or GEOL 300

**Rationale:** The “or corequisite of GEOL 465” option was intended to provide a pathway for geology students to take this course as an elective. GEOL 300 (*Structural Geology*) will prepare students for this course adequately, while making it accessible to a larger number of geology students.

5. **Motion:** To change the prerequisites for GEOE 414.3 (*Rock Mechanics Design*) as follows:

From:

**Prerequisites:** GEOE 315

To:

**Prerequisite(s) or Corequisite(s):** GEOE 315

**Rationale:** Students require knowledge of fundamental soil mechanics principles before completing GEOE 414. It used to be the case that students always took GEOE 315.3 (*Rock Mechanics*) and CE 328.3 (*Fundamentals of Soil Mechanics*) in the same year prior to taking GEOE 414, but recent changes to course prerequisites made it possible for some students to take GEOE 315 a year ahead of CE 328. This created the need to explicitly list CE 328 as a pre- or corequisite for GEOE 414.

## Minor Program Revision

### Environmental Engineering

6. **Motion:** To require students entering the Environmental Engineering program to take GE 163.2 (*Process Engineering*) from the first-year winter term elective list beginning in the 2026-2027 academic year.

**Rationale:** This change stems from changes made in the first-year engineering program which become effective in the 2025-26 academic year. Until now, all first-year engineering students have been required to take both GE 153.2 (*Electrical Circuits II*) and GE 163.2 (*Process Engineering*) during the winter term. Effective 2025-2026, students will have the choice of taking either GE 153.2, GE 163.2 or GE 183.2. The contents of GE 163.2 are best aligned with the needs of the Environmental Engineering program, so students entering the Environmental Engineering program should be required to take this course. The change mentioned above will reduce the load carried by first-year students by 2 credit units during the winter term by replacing the requirement to take both GE 153.2 and GE 163.2.

The program would be changed as follows in red:

### **Engineering First Year**

#### **First-Year Common Core**

#### **Year 1 (39-42 credit units)**

Year 1 will range from a total of 39 to 42 credit units, depending upon which major field of study is chosen.

#### **Fall Term**

#### **Winter Term**

\* The start and end dates of the courses vary, as the duration of the courses varies from 4 to 12 weeks.

- [GE 103.1](#) Introduction to Engineering II
- [GE 123.3](#) Engineering Mechanics II
- [GE 133.2](#) Engineering Communication II
- [GE 143.2](#) Design II (Please note: This course is not taken by students entering Civil, Geological and Environmental Engineering majors.)
- [CHEM 146.3](#) General Chemistry for Engineering
- [MATH 134.3](#) Engineering Mathematics II
- [PHYS 156.3](#) Electromagnetism and Waves for Engineering
- Students must complete **one** of the following 3 courses:
  - [GE 153.2](#) Electrical Circuits II (Compulsory for students in Computer Engineering, Electrical Engineering, and Engineering Physics programs)

- Note: Mechanical Engineering program students can take either GE 153 or GE 163.
- **GE 163.2** Process Engineering (Compulsory for students in Chemical Engineering **and Environmental Engineering** programs)
  - Note: Mechanical Engineering program students can take either GE 153 or GE 163
- **GE 183.2** Mechanics and Problem Analysis in Civil Geological and Environmental Engineering (Compulsory for students in the Civil **and Geological, and Environmental** Engineering programs)

## Discipline Bridge Course

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## Items Reported for Information

### Geological Engineering

**Motion:** To require students entering the Geological Engineering program to take GE 183.2 (Mechanics and Problem Analysis in Civil, Geological and Environmental Engineering) from the first-year winter term elective list beginning in the 2025-26 academic year.

**Rationale:** This change stems from changes made in the first-year engineering program and the creation of GE 183.2, both of which become effective in the 2025-26 academic year. Until now, all first-year engineering students have been required to take both GE 153.2 (*Electrical Circuits II*) and GE 163.2 (*Process Engineering*) during the winter term. The changes mentioned above will reduce the load carried by first-year students by 2 credit units during the winter term by replacing the requirement to take both GE 153.2 and GE 163.2 with the choice of taking either GE 153.2, GE 163.2 or GE 183.2. The contents of GE 183.2 are best aligned with the needs of the Geological Engineering program, so students entering the Geological Engineering program should be required to take this course.

### Civil Engineering

**Motion:** To require students entering the Civil Engineering program to take GE 183.2 (*Mechanics and Problem Analysis in Civil, Geological, and Environmental Engineering*) from the first-year winter term elective list beginning in the 2025-2026 academic year.

**Rationale:** This change stems from changes made in the first-year engineering program and the creation of GE 183.2, both of which become effective in the 2025-26 academic year. Until now, all first-year engineering students have been required to take both GE 153.2 (*Electrical Circuits II*) and GE 163.2 (*Process Engineering*) during the winter term. The changes mentioned above will reduce the load carried by first-year students by 2 credit units during the winter term by replacing the requirement to take both GE 153.2 and GE 163.2 with the choice of taking either GE 153.2, GE 163.2 or GE 183.2. The contents of GE 183.2 are best aligned with the needs of the Civil Engineering program, so students entering the Civil Engineering program should be required to take this course.

The 2025-26 Catalogue incorporates the above as follows **in red**:

## Engineering First Year - Common First Year

- [Year 1 \(39-42 credit units\)](#)

### **Year 1 (39-42 credit units)**

Year 1 will range from a total of 39 to 42 credit units, depending upon which major field of study is chosen.

### **Fall Term**

### **Winter Term**

\* The start and end dates of the courses vary, as the duration of the courses varies from 4 to 12 weeks.

- [GE 103.1](#) Introduction to Engineering II
- [GE 123.3](#) Engineering Mechanics II
- [GE 133.2](#) Engineering Communication II
- [GE 143.2](#) Design II (Please note: This course is not taken by students entering Civil, Geological and Environmental Engineering majors.)
- [CHEM 146.3](#) General Chemistry for Engineering
- [MATH 134.3](#) Engineering Mathematics II
- [PHYS 156.3](#) Electromagnetism and Waves for Engineering
- Students must complete **one** of the following 3 courses:
  - [GE 153.2](#) Electrical Circuits II (Compulsory for students in Computer Engineering, Electrical Engineering, and Engineering Physics programs)
    - Note: Mechanical Engineering program students can take either GE 153 or GE 163.
  - [GE 163.2](#) Process Engineering (Compulsory for students in Chemical Engineering program)
    - Note: Mechanical Engineering program students can take either GE 153 or GE 163
  - [GE 183.2](#) Mechanics and Problem Analysis in Civil Geological and Environmental Engineering (Compulsory for students in the Civil, Geological, and Environmental Engineering programs)

### **Discipline Bridge Course**

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## **University Course Challenge – May 2025**

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](mailto:chelsea.smith@usask.ca) or [gradprograms.academicaffairs@usask.ca](mailto:gradprograms.academicaffairs@usask.ca))

## **Biochemistry, Microbiology and Immunology**

### **New courses:**

#### **BMIS 800.3 Science Communication in Biochemistry, Microbiology, Immunology**

**Weekly hours:** 3 Lecture Hours

**Calendar Description:** This course will teach students how to develop a feasible research project proposal in sufficient detail relevant to their field of study, acquire practical skills in data management, and enhance their ability to communicate complex scientific information to diverse audiences. Skills to critically evaluate scientific literature and effectively incorporate this analysis into their own research through writing and presentation will also be developed.

**Prerequisite(s):** Enrollment in a research-based graduate program (M.Sc. or Ph.D.) with a focus in microbiology, immunology, or biochemistry.

**Restriction(s):** Enrollment in a research-based graduate program (M.Sc. or Ph.D.) within the Department of Biochemistry, Microbiology, and Immunology, unless otherwise approved by the instructor.

**Rationale:** The BMI department has noticed that students are increasingly having issues with proposal development, presentation skills, and critical thinking. In addition, since graduate programs are run in several different locations on campus and within the health sciences building, the graduate students report feeling isolated and not part of a cohort. To proactively improve graduate student engagement and performance to meet expectations, BMI developed this Science Communications course.

Two other related departments on campus have professional skill development courses. These are FDSC808 or VTMC 830. Although BMI students have taken these courses and they have some overlapping learning outcomes, relying on graduate classes from other departments is not ideal for several reasons. For example, BMI has no input on the course content and some of the content is specific to veterinary microbiology or food science and does not apply to biomedical science, BMI students do not have priority for enrollment, and the schedule can be changed at any time without BMI's notice or consent being needed. Thus, the department decided that it is important to manage their own Scientific Communications class to empower students with the appropriate skills, and as they enter their program they will work with other new graduate students and form a sense of community.

#### **BMIS 819.3 Advanced Vaccinology: Principles and Practice**

**Weekly hours:** 3 Lecture Hours

**Calendar Description:** This course will provide a multidisciplinary introduction to the field of vaccinology. This includes historical perspectives on the emergence and evolution of vaccines, to modern strategies of vaccine development, formulation, and delivery. Through consideration of

the processes involved in licensing and manufacturing, students will gain insight into the mechanisms and priorities to ensure vaccine efficacy and safety. The impacts of vaccines on human and animal health, including mechanisms of vaccine-induced protection, both at individual and population levels, will be considered and supported by case studies.

**Prerequisite(s):** BMSC210 or approval of course coordinator

**Note:** Students with credit for BMIS 319 may not take this course for credit. BMIS 319 and 819 are crosslisted.

**Rationale:** Given the expertise available at USASK through the Vaccine and Infectious Disease Organization (VIDO), and its close relationship with the Department of Biochemistry, Microbiology, and Immunology, I always felt that it was a missed opportunity that our undergraduate program lacked a course in vaccinology. I took the initiative to develop BMIS319 Vaccinology: Principle and Practice, a course that provides a multidisciplinary introduction to vaccinology including historical perspectives on the emergence and evolution of vaccines, modern strategies of vaccine development, formulation and delivery, as well as processes of vaccine licensing and manufacturing. We now look to expand that course to include a graduate component.

### **Degree Requirement Changes:**

#### **Master of Science (M.Sc.) - Thesis-based**

**Rationale:** Effective communication is a critical skill for graduate students in the biomedical sciences. The ability to clearly articulate research findings, develop strong research proposals, and engage with both academic and public audiences is essential for a successful career in academia, industry, and science policy. Currently, students in the Biochemistry, Microbiology, and Immunology program receive limited formal training in these areas. The proposed communication skills course will provide experiential learning opportunities in research proposal development, peer review principles, presenting primary research, manuscript writing, figure preparation, and science communication across multiple platforms. This course aligns with other comparable Canadian Institutions (University of Guelph, McGill University, University of Toronto) that offer specific graduate courses that emphasize communication training. Faculty members from Biochemistry, Microbiology, and Immunology have been consulted and strongly support this initiative. As the course will be offered within existing faculty resources, no additional teaching staff are required for implementation.

### **Degree Requirements**

Students must maintain continuous registration in the 994 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
- [BMIS 990.0](#) Seminar
- [BMIS 994.0](#) Research – Thesis

A minimum of 9 credit units at the 800-level, **including the following:**

- **BMIS 800.3 Science Communication in Biochemistry, Microbiology, Immunology**
- **6 credit units of electives as approved by the advisory committee**

- thesis defense

### **Doctor of Philosophy (Ph.D.) - Non-Direct Entry**

**Rationale:** Effective communication is a critical skill for graduate students in the biomedical sciences. The ability to clearly articulate research findings, develop strong research proposals, and engage with both academic and public audiences is essential for a successful career in academia, industry, and science policy. Currently, students in the Biochemistry, Microbiology, and Immunology program receive limited formal training in these areas. The proposed communication skills course will provide experiential learning opportunities in research proposal development, peer review principles, presenting primary research, manuscript writing, figure preparation, and science communication across multiple platforms. This course aligns with other comparable Canadian Institutions (University of Guelph, McGill University, University of Toronto) that offer specific graduate courses that emphasize communication training. Faculty members from Biochemistry, Microbiology, and Immunology have been consulted and strongly support this initiative. As the course will be offered within existing faculty resources, no additional teaching staff are required for implementation.

When the Biochemistry and Microbiology programs merged into the BMI graduate program a few years ago, the unit had indicated that students admitted into the PhD program with an MSc would not be required to take additional graduate level 800 courses. In practice, PhD students are not required to complete 9 CU of course work as it has always been fulfilled through the completion of the MSc.

### **Degree Requirements**

Students must maintain continuous registration in the 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
- [BMIS 990.0](#) Seminar
- [BMIS 996.0](#) Research – Dissertation
- ~~comprehensive examination~~ **candidacy assessment**
- ~~qualifying examinations~~
- ~~A minimum of 9 credit units at the 800-level including any such courses taken at the M.Sc. level.~~
- **BMIS 800.3** Science Communication in Biochemistry, Microbiology, Immunology
- thesis defense

Note: the advisory committee may recommend courses to address specific deficiencies of the student and/or to complement the research program.

**The requirement to complete BMIS 800.3 may be waived if a student has received credit for the course as part of their MSc program.**

### **Transfer from Master's to Ph.D.**

**Rationale:** Effective communication is a critical skill for graduate students in the biomedical sciences. The ability to clearly articulate research findings, develop strong research proposals, and engage with both academic and public audiences is essential for a successful career in academia, industry, and science policy. Currently, students in the Biochemistry, Microbiology, and Immunology program receive limited formal training in these areas. The proposed communication skills course will provide experiential learning opportunities in research proposal development, peer review principles, presenting primary research, manuscript writing, figure preparation, and science communication across multiple platforms. This course aligns with other comparable Canadian Institutions (University of Guelph, McGill University, University of Toronto) that offer specific graduate courses that emphasize communication training. Faculty members from Biochemistry, Microbiology, and Immunology have been consulted and strongly support this initiative. As the course will be offered within existing faculty resources, no additional teaching staff are required for implementation.

### **Degree Requirements**

Students must maintain continuous registration in the 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
- [BMIS 990.0](#) Seminar
- [BMIS 996.0](#) Research – Dissertation

A minimum of 9 credit units at the 800-level, **including the following:**

- **BMIS 800.3 Science Communication in Biochemistry, Microbiology, Immunology**
- **6 credit units of electives as approved by the advisory committee**
- ~~comprehensive examination~~ **candidacy assessment**
- thesis defense

Note: the advisory committee may recommend courses to address specific deficiencies of the student.

## **CIVIL, GEOLOGICAL, AND ENVIRONMENTAL ENGINEERING**

### **New courses:**

#### **CE 800.3 Statistical Methods in Road Safety**

**Catalogue Description:** The course introduces theories and practical aspects for performing road safety analyses with basic and advanced statistical techniques. These include: crash data analysis, development of safety performance functions, identification of crash hot spots, observational before-after studies, empirical Bayes and full Bayes methods, statistical software for road safety modeling.

**Permission(s):** Instructor permission required



**Restriction(s):** Only open to students in in the College of Engineering

**Rationale:** There is no course in the current graduate offering covering statistical methods in road safety. This course has been offered as a special topics course.

## **MECHANICAL ENGINEERING**

### **New course:**

#### **ME 801.3 Fundamentals of Artificial Intelligence**

**Catalogue Description:** This course provides the fundamentals of machine learning and deep learning techniques. Topics include some mathematical basis of machine learning, linear models for regression and classification, kernel methods (support vector machine), neural networks and deep neural networks, with focuses on model structure and model training/parameter estimation techniques. A course project with applications is required.

**Weekly hours:** 3 Lecture hours

**Terms offered:** T1

**Proposed instructor:** FangXiang Wu

**Rationale:** Artificial intelligence (AI) is now a hot topic and has many successful applications in Engineering. However, most graduate students in Engineering lack the fundamental knowledge about AI. As a result, they choose AI models or hyper-parameters in AI models by a “trial and error” approach, which may not find a proper solution.

### **Course Deletion:**

#### **ME 866.3 Parameter Estimations and System Identification**

**Rationale:** ME 801.3 is being proposed to replace ME 866.3.

### **For information**

## **SCHOOL OF REHABILITATION SCIENCE**

### **Master of Occupational Therapy and Master of Speech-Language Pathology**

#### **Admissions prerequisites amendment:**

The Master of Occupational Therapy and Master of Speech-Language Pathology programs were approved by the Academic Programs Committee of Council (APC) on March 26, 2025. Following APC approval and prior to University Council approval on April 17, 2025, the admissions section for both programs was modified to adjust the example course in the Indigenous Studies prerequisite. This change was made to ensure a single course was not overburdened and to list example courses from colleges where applicants may be completing undergraduate degrees.

- Indigenous Studies – 3 credit units (e.g.: ~~INDG 107.3~~ courses included in the College of Arts and Science Indigenous Learning Requirement, KIN 306.3, EFDT 265.3, ECUR 265.3, OR equivalent)

## **College of Law, May 2025 University Course Challenge**

The following has been approved by the College of Law and is now being submitted to University Course Challenge for approval.

Contact: Lorrie Sorowski

### **New Course Proposal**

#### **LAW 412.3 Colonialism, Decolonization, and the Indigenous Peoples of Canada. (Term 1 or 2 - 3 hours of seminar)**

This seminar will consider the legal treatment of Indigenous peoples of Canada in the broader historical and geographic context of European imperial rule. We will consider the different forms of colonialism to identify the significance of law in Canada's dispossession, administration and assimilation of Indigenous peoples. Law both shaped and gave effect to the belief systems that accompanied these processes, from the era of aggressive imperial conquest, through times of changing emphasis on development, decolonization, and reconciliation. Students will examine the differences between legal and historical reasoning. We will see how historical investigation can be used to strengthen legal argument, and how legal reasoning can illuminate historical analysis. Previous background in history is desirable but not required.

**Prerequisite or Corequisite:** LAW 232 Kwayeskastasowin Setting Things Rights

**Rationale:** To approve the regularization of the special topics seminar LAW 498.3 Colonialism, Decolonization, and the Indigenous Peoples of Canada.

### **Minor Program Revision**

Pending approval of the above new course, the J.D. program and the combined J.D./M.B.A. program will be adjusted, as follows:

**Juris Doctor (J.D.) (90 credit units)**

**Year 1 (30 credit units)**

**Year 2 and Year 3 (60 credit units)**

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**The following is required in either Year 2 or Year 3:**

- [LAW 421.3](#) Legal Ethics and Professionalism or [LAW 497.3](#) Legal Ethics Clinical Seminar and a major paper.

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 412.3 Colonialism, Decolonization, and the Indigenous Peoples of Canada**
- 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
- [LAW 496.3](#) Indigenous Nation Building Theory

Students must complete a minimum of **3 credit units** from the following list of Seminar Classes or equivalent\*, as approved by the Associate Dean, Academic. In some instances, the seminar class may meet more than one requirement.

- [LAW 305.3](#) Clinical Law
- [LAW 306.3](#) Law Foundation of Saskatchewan Chair Seminar.
- [LAW 309.3](#) Estey Chair in Business Law Seminar.
- [LAW 341.3](#) First Nations Economic Development
- [LAW 349.3](#) Housing Homelessness and the Law
- LAW 400.3
- [LAW 405.3](#) Advanced Criminal Law
- [LAW 406.3](#) Law and Culture
- [LAW 409.3](#) Rural and Regional Legal Seminar

- **LAW 412.3 Colonialism, Decolonization, and the Indigenous Peoples of Canada**
- [LAW 413.3](#) Current Issues in Law Reform

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## Juris Doctor (J.D.) and Master of Business Administration (M.B.A.) Combined 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
- .....
- 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 412.3 Colonialism, Decolonization, and the Indigenous Peoples of Canada**
  - [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
- .....
- **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 412.3 Colonialism, Decolonization, and the Indigenous Peoples of Canada**

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## **College of Nursing, May 2025 University Course Challenge**

The College of Nursing has approved the following change and now submits the change to University Course Challenge for information.

### **Minor Course Revision For Information**

#### **NURS 231.4: Medication Administration in Nursing Practice**

Students will be introduced to foundational medication administration techniques to be used in the provision of care in patients with acute and chronic health needs. Opportunities will be provided to demonstrate clinical judgment in the performance of these medication administration techniques in simulated clinical situations.

**Weekly hours:** 3 Lecture hours and 2 Practicum/Lab hours

**Restriction(s):** Restricted to students in the College of Nursing who are registered in the B.S.N. program or the Post-Degree B.S.N. Option.

**Prerequisite(s):** NURS 244.4, ~~NURS 245.3~~ **NURS 247.3**, and NURS 246.3

**Prerequisite(s) or Corequisite(s):** PHAR 250.3, MCIM 223.3

**Note:** Students with credit for NURS 220 cannot receive credit for this course. Post-Degree B.S.N. classes are offered in an open learning format with the same number of hours, but in alternate time frames. Costs in addition to tuition apply to this course.

## University Course Challenge – May 2025

Contact: Vicky Parohl ([parohl@edwards.usask.ca](mailto:parohl@edwards.usask.ca))

The following items were approved by Edwards Faculty Council on May 13, 2025, and are now submitted to the University Course Challenge for information.

### Course Changes

Updated course title, description, and prerequisite for COMM 486.3:

#### **COMM 486.3: Case Analysis and Presentation Skills (~~JDC West~~)**

Focuses on the skills and competencies necessary to successfully compete ~~in the JDC West~~ business case competitions. Topics include technical expertise, case analysis, presentation skills and competitive strategies.

**Weekly hours:** 3 Seminar/Discussion hours

**Permission is granted at the discretion of the instructor based on selection or intention to participate on a JDC West or other academic competition team.**

Note: Students may compete multiple times in the JDC West and other business case competitions during the completion of their degree, however they are only eligible to enroll and receive credit once for this course.

*Rationale:* Students may compete in case competitions other than JDC West, including but not limited to ENACTUS, the Rocky Mountain Business Seminar, student club competitions, and more. This minor revision will enable non-JDC students to enroll in the course.

### **Correction to April 2025 University Course Challenge**

In April 2025, a change to the prerequisite for COMM 401 was approved through University Course Challenge. The proposed change was missing the following piece in red:

#### **COMM 401.3: Business Strategy**

An integrative course which focuses on the functions and responsibilities of senior management. Deals with the concept of organizational strategy and how it is formulated, developed and implemented in real-life situations.

**Weekly hours:** 3 Seminar/Discussion hours

**Permission of the department required.**

**Restriction(s):** Open to students in Edwards School of Business, pursuing the last year of their B.Comm. in Accounting.

**Prerequisite(s):** COMM 306.3 or COMM 308.3 and student must be in graduating year