



Academic Programs Committee of Council

University Course Challenge

Scheduled posting: February 2024

The following types of curricular and program changes are approved by the University Course Challenge -- additions and deletions of courses, lower levels of study and program options; straightforward program changes; and curricular changes which affect other colleges.

Contents include submissions for information and approval from the following colleges and schools:

College of Arts and Science
College of Engineering

Approval: Date of circulation: **February 14, 2024**
 Date of effective approval if no challenge received: **March 1, 2024**

Next scheduled posting:

The next scheduled posting will be March 14, 2024, with a submission deadline of **March 12, 2024**. Urgent items can be posted on request.

Please direct challenges to both of the following: seanine.warrington@usask.ca in Registrarial Services and amanda.storey@usask.ca in the Governance Office.

University Course Challenge – February 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)

Archaeology

Minor course revisions

ARCH 270.3 Human Evolution

Prerequisite change:

Current prerequisite(s): ARCH 112.3; or (BIOL 120.3 and 121.3)

Proposed prerequisite(s): 24 credit units of university courses including ANTH 112.3/ARCH 112.3 or both of BIOL 120.3 and BIOL 121.3.

Rationale: This is a fairly intensive second year course with labs. As such, students will be most successful if they have taken at least one year (or 24 cu) of courses at the university level. Because this course is sometimes offered in the winter term, the department wishes to prevent first year students who took ANTH/ARCH 112 in the preceding Fall Term from enrolling. This is in the best interest of students, as those with more limited experience are generally found to be less successful in the course. (ARCH 270 will become ANTH 270 as of 202405)

Classics

Minor program revisions

Minor in Classics

Add HIST 204.3, HIST 301.3, HIST 305.3 and HIST 473.3 to the list of restricted elective courses.

Classics - Minor

Requirements (24 credit units)

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Choose **18 credit units** from the following:

No more than 3 credit units from [CLAS 101.3](#) Introduction to Scientific Terminology, [CLAS 103.3](#) Medical Terminology, [CLAS 105.3](#) Classical Roots of English, [CLAS 107.3](#) Introduction to Legal Terminology or [CLAS 203.3](#) Advanced Medical Terminology; no more than 9 credit units may be taken in ARCH; and no more than 9 credit units may be taken in HIST.

- [ARCH 116.3](#) Introduction to Near Eastern and Classical Archaeology
- [ARCH 244.3](#) Archaeology and Cultural Development Ancient Israel and Syria Late Bronze Age to Hellenistic Period
- [ARCH 252.3](#) Near Eastern Archaeological Field Work
- ...
- [CLAS 107.3](#) Introduction to Legal Terminology
- [CLAS — 200-Level](#)
- [GRK — 100-Level, 200-Level](#)
- [HIST 203.3](#) Ancient Greece Politics Society and Culture
- [HIST 204.3](#) **Animals in the Greek and Roman World**
- [HIST 208.3](#) The Roman Republic Growth of a Mediterranean State 753 to 27 BCE
- [HIST 209.3](#) The Roman Empire Politics Society and Culture Augustus to Constantine
- [HIST 217.3](#) The Later Roman Empire Crisis and Continuity from Constantine to Justinian
- [HIST 273.3](#) History of Ancient Medicine

- **HIST 301.3** Greek and Roman Historians
- HIST 302.3
- **HIST 305.3** Greek and Roman Satire
- **HIST 308.6** Rome Building and Living in the Ancient City
- **HIST 320.3** Pagans Christians Barbarians Identity and Empire in the Roman World
- **HIST 335.3** Spectacles of Death in the Roman World
- **HIST 473.3** The Life and Legend of Alexander the Great
- **LATN — 100-Level, 200-Level**
- **PHIL 208.3** Ancient Philosophy Presocratics to Plato
- **PHIL 209.3** Ancient Philosophy Aristotle to Plotinus
- Special topics courses in the listed subjects, with prior permission of the CMRS Director

Rationale: The added courses were recently approved and are appropriate for inclusion in this program. This change will provide greater flexibility for students completing the program.

History

New course(s):

HIST 326.3 Healers Cunning Folk and Quacks in Pre Modern England 1300 to 1600

1/2 (1.5L-1.5S) No present-day term adequately captures the dynamic marketplace for curing what ailed you in pre-modern England. "Helping-Care" services were provided by a wide variety of healers and helpers: cunning folk, diviners, empirics, midwives, apothecaries, barber surgeons, and physicians all provided treatments focused on client physical, mental, and sometimes spiritual well-being. Practitioners, both formally and informally educated, often served clients from every rank of society, and were frequently well known in their communities for specialized treatments and cures. This course examines the wide range of standard magical and medical helping and healing practices that were in everyday use in pre-modern England. It also studies the charlatans who hoped to take advantage of people in such a dynamic setting.

Prerequisite(s): 3 credit units 200-level HIST courses, or 60 credit units of university studies, or by permission of the instructor.

Instructor(s): Sharon Wright

Rationale: This course will improve the department's offerings in the field, reflects the research interests of the instructor and responds to student demand.

Course deletion(s):

HIST 218.3 Byzantium and the World 565 to 1453

Rationale: The department no longer has sufficient faculty resources to teach this course. The course is currently moribund, and not required for any program.

Minor course revisions

HIST 331.3 Magic Science and Religion before 1600

New course number: **HIST 439.3**

New course title: Magic and the Occult in Pre Modern Europe

New short title: Magic Occult Pre Modern Europe

New Note: Students with credit for HIST 331.3 may not take this course for credit.

Rationale: This is a highly specialized topic and a very challenging course involving of intellectual and religious history unfamiliar to most students. It is, as a result, better suited to the 400-level. The instructor has not taught the course for many years as a result of the current level, and since that time has created HIST 454.3 Modern Magic and Occultism, which pairs well with HIST 331/439 in terms of difficulty and subject matter.

Linguistics

Minor course revisions

LING 343.3 Child Language Development

Prerequisite change:

Current prerequisite(s): Permission of the Department. LING 111.3 or LING 114.3; and LING 112.3.

Proposed prerequisite(s): LING 111.3 or LING 114.3; and LING 112.3.

New attribute: Add the SOCS attribute in addition to the HUM attribute.

Rationale: There is no need to regulate registration for this course via permission as the prerequisites are adequate and there is space available in the course. Methods in child language acquisition research draw on both humanities and social sciences, so the course should reflect both in the attributes.

Studio Art

Minor program revisions

Bachelor of Fine Arts Honours in Studio Art

Remove requirement that all electives be at the senior level.

Bachelor of Fine Arts Honours (B.F.A. Honours) in Studio Art

E5 Electives Requirement (15 credit units)

~~Senior Arts and Science courses (200-level and above), or those from other Colleges which have been approved for Arts and Science credit, to complete the requirements for 120 credit unit Four-year program. B.F.A students are encouraged to use these electives for further studio work or art history credit.~~

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 and no more than 60 in one subject. For students majoring in Studio Art, the first six 100-level credit units taken in ART will be counted as junior and the remaining 100-level courses in ART will be counted as senior.

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

PHIL 271.3 Aesthetics and Philosophy of Art is a recommended elective

Rationale: This corrects an error that was introduced to the program in 2008-9. The minimum requirement for senior credit units should be the same in this program as in other Arts & Science programs.

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.

Anthropology

Minor course revisions

ANTH 401.3 Independent Research in Anthropology

Prerequisite change:

Current prerequisite(s): Admission to Honours program in Archaeology and Anthropology; ANTH 302.3; and permission of the department.

Proposed prerequisite(s): Admission to Honours program in Anthropology; and permission of the department.

Rationale: This course will be opened to students in both the BA and BSc in Anthropology in 2024-25, and therefore ANTH 302 (The Practice of Ethnography) will no longer serve as an appropriate prerequisite for all students. Students will still require permission of the department to enrol, meaning that an individual faculty member who will supervise the project will ensure the student has adequate background to be successful.

Archaeology

Minor course revisions

ARCH 470.3 Human Osteology

Prerequisite change:

Current prerequisite(s): ARCH 270.3

Proposed prerequisite(s): 48 credit units of university courses including ANTH 270.3/ARCH 270.3.

Rationale: This is an intensive senior course that involves a lot of self-taught laboratory work. As such, students will be most successful if they have taken at least two years (or 48 cu) of courses at the university level. Because this course is offered in the Fall Term and its prerequisite (ARCH/ANTH 270) is sometimes offered in the Winter Term, the department wishes to prevent students from taking this course in the Fall Term of their second year of study. Students with limited experience and incompletely developed postsecondary learning skills are found to be at a disadvantage in this course.

Psychology

Minor course revisions

PSY 418.3 Advanced Seminar in Developmental Psychology

Prerequisite change:

Current prerequisite(s): 6 credit units from PSY 213.3, PSY 214.3, PSY 216.3, PSY 315.3, PSY 317.3

Proposed prerequisite(s): 3 credit units 300-level PSY courses. Restricted to Honours students in Psychology and Health Studies, and majors in Linguistics.

Rationale: The department has difficulty in meeting the demand for 400-level PSY courses, and therefore wishes to restrict enrolment in this course to students who need it to fulfill their program requirements.

PSY 456.3 Advanced Seminar in Cognitive Science

Prerequisite change:

Current prerequisite(s): 6 credit units from PSY 253.3, PSY 317.3 or PSY 355.3

Proposed prerequisite(s): 3 credit units from PSY 252.3, PSY 253.3, PSY 255.3; and 3 credit units of 300-level Psychology. Restricted to Honours students in Health Studies and Psychology, and majors in Linguistics.

Rationale: See PSY 418 above.

Studio Art

Minor course revisions

ART 220.3 Drawing and Related Work II A

Prerequisite change:

Current prerequisite(s): ART 112.6

Proposed prerequisite(s): ART 112.6 or ART 125.3.

Rationale: ART 112.6 has been split into ART 124.3 and ART 125.3. ART 124 is the prerequisite for ART 125, so the same level of preparation will be required by listing only ART 125.

ART 222.3 Painting and Related Work II A

Prerequisite change:

Current prerequisite(s): ART 111.6

Proposed prerequisite(s): ART 112.6 or ART 123.3.

Rationale: ART 111.6 has been split into ART 122.3 and ART 123.3. ART 122 is the prerequisite for ART 123, so the same level of preparation will be required by listing only ART 123.

College of Engineering - University Course Challenge Submission, February 2024

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

Editorial Change For Information

Computer Engineering

Please see the following editorial changes to the Computer Engineering program outline, for ease both of student-readability and administrative ease of comprehension.

Rationale: The original submission made to, and approved by, the January 2024 UCC included all these substantive changes; however, upon further reflection, the Computer Engineering department would like to make a few additional refinements to how these changes are depicted in the Course and Program Catalogue – 2024-2025 edition. Please note that the editorial changes are here in blue. Of note are changes to the focus areas. While all of the courses in these areas remain part of the focus areas, the groupings have been reduced from 3 to 2.

[Bachelor of Science in Engineering \(B.E.\) - Computer Engineering \(144 credit units\)](#)

Year 1 (41-44 credit units)

All Engineering programs have a **common** first year.

Year 2 (34 credit units)

Fall Term

- **CMPT 214.3** Programming Principles and Practice
- **CMPT 270.3** Developing Object-Oriented Systems
- **EE 205.1** Safety and Stewardship in Electrical and Computer Engineering
- **EE 232.3** Digital Electronics
- **EE 265.3** Discrete Time Signals and Systems
- **MATH 223.3** Calculus III for Engineers

Winter Term

- **CMPT 280.3** Intermediate Data Structures and Algorithms
- **EE 216.3** Probability Statistics and Numerical Methods
- **EE 221.3** Analog Electronics
- **EE 271.3** Materials and Heat Transport in Electrical Engineering
- **EP 214.3** Analog Signals and Systems

- **MATH 224.3** Calculus IV for Engineers

Year 3 (33 credit units)

Focus Areas – Students must complete **one focus area, in addition to the core required courses. Students must choose the Digital Systems Focus Area and from either the Computer Software focus area or one of the Digital Signal Processing and with Applications focus area. Focus Area or Computer Software Focus Area.**

Fall Term

- **CME 331.3** Microprocessor Based Embedded Systems
- **CME 341.3** Logic Design Using FPGAs
- **CME 465.3**
- **RCM 200.3** Effective Professional Communication
- ~~3 credit units Digital Systems Focus Area~~
- 3 credit units **Second** from the chosen Focus
- 3 credit units Science Elective List 1 or List 2

Winter Term

- ~~CME 334.3 Network Architecture and Protocols~~
- ~~CMPT 332.3 Operating Systems Concepts~~
- **GE 348.3** Engineering Economics
- ~~3-9 credit units Digital Systems Focus Area (specifically:~~
- **CME 332**
- **CME 342**
- **CME 466**
- 3 credit units **Second Focus Area** from the chosen Focus Area

Year 4 (33 credit units)

Fall Term

- 3 credit units Senior Humanities/Social Elective
- ~~6 credit units Digital System Focus Area~~
- **CME 433.3**
- **CME 435.3**
- 6 credit units **Second Focus Area** from the chosen Focus Area

Winter Term

- **CME 334.3**
- **GE 449.3** Engineering in Society
- ~~3 credit units Digital Systems Focus Area~~
- 3 credit units from **the chosen Focus Second Focus** Area
- 3 credit units Complementary Studies Elective

Deleted:

Fall Term and Winter Term

6 credit units from the following:

- [CME 495.6](#) Capstone Design Project
- [GE 495.6](#) Technological Innovation Capstone Design Project

~~Focus Areas – Students must complete Digital Systems Focus Area and one of the Digital Signal Processing and Applications Focus Area or Computer Software Focus Area.~~

Focus Areas – Students must complete **one focus area, from either the *Computer Software* focus area or one of the *Digital Signal Processing and Applications* focus area.**
~~Focus Area or Computer Software Focus Area.~~

~~Digital Systems~~

~~Year 3 – Fall Term~~

- ~~[CME 342.3](#) Introduction to Digital Integrated Circuits and System on Chip~~
- ~~[CME 465.3](#)~~

~~Year 3 – Winter Term~~

- ~~[CME 332.3](#) Real Time Computing~~
- ~~[CME 342.3](#)~~
- ~~[CME 466.3](#)~~

~~Year 4 – Fall Term~~

- ~~[CME 433.3](#) Digital Systems Architecture~~
- ~~[CME 435.3](#) Verification of Digital Systems~~

~~Year 4 – Winter Term~~

- ~~[CME 466.3](#) Design of an Advanced Digital System~~
- ~~[CME 334.3](#)~~

Computer Software

Year 3 - Fall Term

- [CMPT 370.3](#) Intermediate Software Engineering

Year 3 **and/ or Year 4** - Fall or Winter Term

- 12 credit units in Year 3 or Year 4 from the Software Electives list, with at least 6 credit units of CMPT courses with a course number of 400 or higher. Students should pay attention to the prerequisite requirements of the CMPT courses.

- ~~3 credit unit Group B Elective (choose from List B1 or B2)~~

~~Year 4 – Fall Term~~

- ~~CME 465.3 Embedded Machine Learning~~

~~Year 4 – Fall or Winter Term~~

- ~~6 credit units Group C Elective (choose from List C1 or C2)~~

Group B Electives

Software Electives

- ~~List B1~~
 - **CMPT 317.3**
 - **CMPT 318.3** Data Analytics
 - **CMPT 332.3**
- ~~List B2~~
 - **CMPT 353.3** Full Stack Web Programming
 - **CMPT 381.3** Implementation of Graphical User Interfaces

Group C Electives

- ~~List C1~~
 - **CMPT 423.3** Machine Learning
 - **CMPT 436.3** Mobile and Cloud Computing
 - **CMPT 481.3** Human Computer Interaction
 - **CMPT 487.3** Image Processing and Computer Vision
 - **CMPT 489.3** Deep Learning and Applications
- ~~List C2~~
 - **CMPT 432.3** Advanced Operating Systems Concepts
 - **CMPT 434.3** Computer Networks
 - **CMPT 438.3** Introduction to Computer Security
 - **CMPT 470.3** Advanced Software Engineering

Digital Signal Processing ~~and with~~-Applications

Year 3 - Fall Term

- **EE 362.3** Digital Signal Processing

Year 3 - Winter Term

- [EE 365.3](#) Algorithms and Circuits with Finite Precision Arithmetics

Year 4 - Fall Term

- [EE 456.3](#) Digital Communication
- [EE 461.3](#) Digital Filter Design

Year 4 - Winter Term

- [EE 465.3](#) Design of a DSP System