



Academic Programs Committee of Council

University Course Challenge

Scheduled posting: May, 2018

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:

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

Approval: Date of circulation: May 16, 2018
 Date of effective approval if no challenge received: May 31, 2018

Next scheduled posting:

The next scheduled posting will be June 14, 2018, with a submission deadline of **June 12, 2018**. 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 Office of the University Secretary.

University Course Challenge – May 2018

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

Minor course revisions

BIOL 120.3 The Nature of Life

BIOL 121.3 The Diversity of Life

Prerequisite change:

Old prerequisite(s): Biology 30 or BIOL 107 or BIOL 108.

New prerequisite(s): Biology 30 or BIOL 90 or BIOL 107 or BIOL 108.

Rationale: The proposed change will bring BIOL 120 and 121 prerequisites in-line with the information in the Catalogue Note on BIOL 90. The intent of BIOL 90 was always to have it act as an alternate prerequisite for BIOL 120 and 121. It is fully anticipated that the successful completion of BIOL 90 will provide students with the learning skills and knowledge base necessary for success in our first year courses.

BIOL 90.3 Introduction to Biology

New course description: Designed as a preparatory access course for students who were unable to access, or need to review, 30-level biological science curricula. Content focuses on core concepts, terminology, problem solving strategies, and skills foundational to success in post-secondary biological sciences and related degree paths.

Change to Note:

Old Note: Biology 90 fulfills prerequisite requirements for BIOL 120 and BIOL 121, though Biology 90 is not directly equivalent to Biology 30. BIOL 90 is a not-for-credit course (0 c.u.) and does not contribute to the course requirements for a university degree.

New Note: BIOL 90 fulfills prerequisite requirements for BIOL 120 and BIOL 121, though BIOL 90 is not directly equivalent to Biology 30. BIOL 90 is a not-for-credit course and does not contribute to the course requirements for a university degree.

Change to lecture hours and term listing: Change from “1(3L-2T alt weeks)” to “1/2(2L-3S)”

Rationale: BIOL 90 is a not-for-credit course originally proposed for the ASAP STEM Accelerator program (along with CHEM 90 and PHYS 90). It will be offered for the first time in Fall 2018. The minor changes have come about as we finalized course delivery and contents in preparation for Fall 2018.

The 3 hours per week seminar activities will be used for smaller group work by students. This will involve case-based (problem-solving) learning exercises. Student output from the case-based activities include short written reports and seminar presentations. These activities will be included in the student assessment schemes, along with weekly quizzes and a final exam.

Computer Science

New course(s):

CMPT 384.3 Information Visualization

1/2 (3L-1T) This course will introduce visualization process for different datasets, design principals, techniques for developing effective visualizations, visualization algorithms and interaction techniques. The course is targeted to students interested in using visualization in their own work, as well as to those who are interested in developing visualization systems. Topics include: data abstractions, visualization process, design principles, visualizations of tabular data, geo-visualizations, cartographic representation, visualization for sets, temporal and hierarchical data (treemaps, radial layouts), network visualizations, visualization algorithms and software, interactions with large datasets, and a brief overview of visual analytics.

Prerequisite(s): CMPT 280 (required); MATH 164 (formerly MATH 264) recommended

Note: Students with credit for CMPT 398.3 Information Visualization may not take this course for credit.

Instructor: Debajyoti Mondal

Rationale: Our lives today are deeply influenced by information technology, which exposes us to a massive volume of data. Visualization is a powerful technique to deal with such large volumes of information. A good visualization can reveal the key properties of the data, as well as help users to make better decisions based on that data. The proposed course aims to prepare students to design useful data visualizations, analyze information through visualizations, comprehend the human perception and cognition underlying visualization, and present their own works in an appealing way to both scientific and general audiences.

CMPT 423.3 Machine Learning

1/2 (3L) A survey of Machine Learning techniques, their underlying theory, and their application to realistic data. Machine learning techniques may include Neural Networks, Support Vector Machines, Bayesian networks, Hidden Markov Models, Particle Filtering; Expectation-Maximization; Sampling; Evaluation methodologies; Over-fitting and Regularization. Software tools will be introduced for practical application.

Prerequisites: CMPT 317, STAT 245, and MATH 164

Instructor(s): Michael Horsch, Kevin Stanley

Rationale: In the past half-dozen years, Machine Learning has emerged as an enormously important technology for industry and academia. The demand for graduates with training in this area is high in industry and in academia.

CMPT 484.3 Graph Drawing and Network Visualization

1/2 (3L) This course will introduce mathematical models of networks, analysis of network structure, and visualization process for real-life network datasets. The course will put a special focus on graph drawing, which contains the algorithmic core for network analysis and visualization, and present how an abstract graph layout can be used to create effective visualizations for real-life networks. The content of this course will draw examples from many applied areas such as social sciences, computational biology, communication networks, VLSI circuits, and software engineering. The course is targeted to students interested in network analysis, as well as in visual analytics of network data. Topics include:

Combinatorial analysis of graphs, common graph drawing algorithms, network visualization aesthetics, structural analysis of networks, an overview of network analysis tools and software, visualization of geospatial and dynamic networks, layered visualization of large networks, information propagation on a network, user interactions, and case studies from different practical domains.

Prerequisite(s): CMPT 360 and CMPT 384 (required); CMPT 350 and CMPT 381 (recommended)

Instructor: Debajyoti Mondal

Rationale: Network data has become ubiquitous in today's world. Activities such as online shopping, interactions in social websites, and sensor networks to monitor climate change are a few examples that produce vast quantities of network data. Network analysis and visualization is a powerful tool to model, understand and derive insights from such real-life networks. The availability of network data around us has created a great interest across industry, government, and society, to analyze and visualize such data for decision making tasks; and the need will continue to grow as the technology and society evolve.

Graphs are the most widely used abstraction for network data. Graph drawing, which focuses on geometric representations of networks, constitutes the algorithmic core of network visualization. The proposed course will introduce the students to such mathematical and computational models for networks. A major component of this course will cover techniques to analyze network structures, algorithms and aesthetics (based on principles from graphic design, visual art, and cognitive science) to develop effective visualizations of real-life networks. In addition, the course will present existing tools and software for network analysis and visualization.

The current courses offered by the Department of Computer Science do not sufficiently address the area of graph drawing and network visualization. While the proposed course has its independent appeal, it may also boost the performance of the students who will be taking the existing applied courses such as Bioinformatics and Computational Biology, Human Computer Interaction, Computer Graphics and Animation, Image Processing and Computer Vision. I am teaching a special topic course CMPT 398 (Information Visualization) in the third year level, but this course focuses on general data visualization

such as charts, statistical visualizations, cartography, time series visualizations, and a very basic concept of networks (3 hours of lecture). Hence this course does not overlap with the proposed course. I am also proposing CMPT 398 as a new regular course (CMPT 384) in a separate proposal. If both these proposals get approved, then it would seem natural that the students taking Information Visualization, will also be interested to enroll in the Graph Drawing and Network Visualization.

History

New course(s):

HIST 211.3 Martyrs Mystics and Madmen Making the Medieval Saint

1/2 (3L) In the world of late antiquity, the veneration of saints became a focus of the religious and cultural life of Christian communities. But what is it to be a saint? Many were martyrs and miracle workers, but we also find holy madmen, transvestites, prostitutes. In this seminar we explore the diverse representations of sanctity in the hagiographical tradition of the Middle Ages, addressing both the literary and the historical questions raised therein. We ask how Christian communities in the later Roman Empire conceived of sanctity. We address questions of gender and empire, ritual and the body, memory and the use of the past. We explore the array of evidence for the cult of the saints—both literary and material—first in an attempt to understand the complex of practices and beliefs that accompany its emergence, but also to recognize more broadly what this institution can tell us about the Mediterranean world of late antiquity and Medieval Europe.

Prerequisite(s): 3 credit units HIST at the 100 level; or 30 credit units of University level courses.

Instructor(s): Zachary Yuzwa

Rationale: This course improves the department's offerings in the field, reflects the research interests of instructors, and responds to student demands.

HIST 233.3 War and Medicine from Paracelsus to Penicillin

1/2 (3L) The practice of warfare has consistently demanded the skills, resources and labour of healers. This course aims to explore some of the key aspects of the relationship between medicine and warfare in Europe and North America since 1500. Particular attention is paid to the role of medicine in the rise of modern forms of warfare, especially the contribution that medicine played in both disciplining bodies and maintaining the morale of armed forces personnel. The course's key themes situate military-medical developments within historical debates about the processes of modernization, state formation, and the global pre-eminence of European empires to 1945. The course also explores the connections between war and medical innovation, as well as between warfare and welfare, in the early modern and modern eras. As we go about addressing these and other questions, students will work through a series of assignments designed not only to help them master the course material, but to develop and enhance their academic and lifetime skills of writing, research, analysis, and discussion.

Prerequisite(s): 3 credit units HIST at the 100 level; or 30 credit units of University level courses.

Instructor(s): Matthew Neufeld

Rationale: This course will provide a 200-level option to the department's repertoire of offerings in the history of medicine.

HIST 273.3 History of Ancient Medicine

1/2 (3L) This course will introduce students to the full spectrum of Greco-Roman medical practices, from the healing rituals of the cult of Asclepius to the rational medicine of Hippocrates and Galen. Special attention will be given to the social dimension of ancient medicine, including medical ethics, the social status of doctors and their patients, and the role of women, both as patients, whose anatomical differences from men were thought to necessitate an entirely separate branch of medicine (i.e. gynecology), and as midwives, an important but often overlooked group of medical practitioners. After tracing the development of ancient medicine from the earliest evidence for Greek concepts of health and disease through to the flourishing of Greek medicine at the height of the Roman Empire, this course will conclude by examining the continuing influence of Greco-Roman medicine throughout the Middle Ages and the Renaissance.

Prerequisite(s): 3 credit units HIST at the 100 level; or 30 credit units of University level

Instructor(s): Kyle McLeister

Rationale: This course will provide a 200-level option to the department's repertoire of offerings in the history of medicine.

HIST 404.3 Chinese Feminism and Chinese Women's Experiences in Historical Context

1/2 (3S) This course explores the particularities of Chinese feminism and Chinese women's experiences from the Qing Dynasty until the present. We examine the political and ideological dimensions of Chinese feminism, in its intersections with nationalism, anarchism, socialism, and post-socialism. We learn of the contributions to feminist theory of radical anarcho-feminist He Yin-Zhen, explore the writings of talented female writers like swordswoman and revolutionary martyr Qiu Jin, or bourgeois writer turned Marxist Ding Ling, the first female writer to write the feminine self in Chinese literature. We explore prevalent Chinese practices such as foot binding, the separation of the sexes, arranged marriage, concubines, polygamy, free love, suicide, infanticide, leftover women, the marriage market, and Chinese lesbian cinema. We also look at major events and policies in Chinese history that affect women, such as the Rape of Nanjing, Western Colonialism, The Cultural Revolution and the female Red Guards, and the One Child Policy.

Prerequisite(s): 6 credit units of senior-level HIST of which 3 credit units must be 300-level, or permission of the department.

Instructor(s): Mirela David

Rationale: This course augments current History offerings in two key teaching and research areas: Gender and Sexuality, and East Asia (especially China). Student interest in this area is strong and growing.

HIST 415.3 History of 20th Century Canadian Popular Culture

1/2 (3S) This course provides a selective overview of the major developments, contributions, and products of Canadian popular culture in the twentieth century. While the regional experiences will be featured (particularly through our weekly artifacts) the primary emphasis of the course is upon defining and exploring facets of our 'national' culture. The course is organized chronologically and thematically. Weekly discussions will focus upon a particular topic or document, and its analysis. Topics of discussion include: Canadian "art", newspapers, novels, magazines, sports, documentary film, television and popular music. Ultimately, the class attempts to explore and critically analyze whether a "Canadian" popular culture or esthetic exists. Throughout the course, special attention will be paid to theories of cultural studies, and cultural history as well as issues of class, race, gender, region, sexuality, and national identity.

Prerequisite(s): 6 credit units of senior-level HIST of which 3 credit units must be 300-level, or permission of the department.

Note: Students with credit for HIST 498.3 Canadian Popular Culture may not take this course for credit.

Instructor(s): Valerie Korinek

Rationale: This course improves the department's offerings in the field, reflects the research interests of instructors, and responds to student demands.

Indigenous Studies

New course(s):

INDG 471.3 Indigenous Women Feminism Politics and Resistance

1/2 (3S) This course explores issues relating to the historical and contemporary experiences of Indigenous women in northern North America. It examines themes including Indigenous understandings of gender and kinship; the history of settler colonial policy and the regulation of Indigenous women; the law and criminalization; labour and informal economies; politics and activism; and motherhood and child welfare. This course also considers Indigenous feminist analyses and its relationship to understanding Indigenous women's issues.

Prerequisite(s): INDG 230.3 and 9 credit units INDG courses at the 300 level; or permission of the instructor.

Note: Students with credit for INDG 498 Indigenous Women Feminism Politics and Resistance may not take this course for credit.

Instructor(s): Sarah Nickel

Rationale: This course is being proposed to fill a current gap in Indigenous Studies course offerings at the senior level. We currently do not have any courses at the 400 level that deal explicitly with Indigenous women's experiences. We also do not have courses that deal explicitly with Indigenous women's feminism, politics, and resistance, as this does. This course is proposed as a 400 level course to fulfil our growing gender stream and to build on our lower level gender courses currently offered. It meets the level of expectation for senior students in terms of readings, written work, and research. This course also meet student demands. It has been offered twice as a special topics and has high enrolment from Indigenous Studies, History, Political Studies, and Women's and Gender Studies students

Political Studies

Minor program revisions

Bachelor of Arts Honours and Four-year in Political Studies

Add POLS 327.3 and POLS 302.3 to the list of Governance and Public Law courses in requirement B6.
Add IS 201.3 and POLS 263.3 to the list of Ideas and Global Issues courses in requirement B6.

Bachelor of Arts Four-year (B.A. Four-year) - Political Studies

B6 Major Requirement (39 credit units)

- [POLS 204.3](#) and [POLS 205.3](#) (formerly POLS 203)
- [POLS 236.3](#) and [POLS 237.3](#) (formerly POLS 235)
- [POLS 261.3](#) and [POLS 262.3](#) (formerly POLS 260)
- [POLS 256.3](#) or [POLS 328.3](#)

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

- [300-Level POLS Courses](#)

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

- [400-Level POLS Courses](#)

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

Governance and Public Law

- [POLS 222.3](#)
- [POLS 225.3](#)
- [POLS 226.3](#)
- [POLS 302.3](#)
- [POLS 303.3](#)
- [POLS 304.3](#)
- [POLS 305.3](#)
- [POLS 306.3](#)
- [POLS 307.3](#)
- [POLS 322.3](#)
- [POLS 323.3](#)
- [POLS 327.3](#)
- [POLS 329.3](#)
- [POLS 403.3](#)

- [POLS 404.3](#)
- [POLS 405.3](#)
- [POLS 422.3](#)
- [POLS 425.3](#)

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

Comparative Politics

- *No change*

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

Ideas and Global Issues

- [IS 201.3](#)
- [POLS 250.3](#)
- [POLS 251.3](#)
- [POLS 263.3](#)
- [POLS 336.3](#)
- [POLS 337.3](#)
- [POLS 349.3](#)
- [POLS 362.3](#)
- [POLS 364.3](#)
- [POLS 368.3](#)
- [POLS 370.3](#)
- [POLS 372.3](#)
- [POLS 375.3](#)
- [POLS 431.3](#)
- [POLS 460.3](#)
- [POLS 461.3](#)
- [POLS 465.3](#)
- [POLS 471.3](#)

Bachelor of Arts Honours (B.A. Honours) - Political Studies

B6 Major Requirement (51 credit units)

- [POLS 204.3](#) and [POLS 205.3](#) (formerly POLS 203)
- [POLS 236.3](#) and [POLS 237.3](#) (formerly POLS 235)
- [POLS 261.3](#) and [POLS 262.3](#) (formerly POLS 260)
- [POLS 256.3](#) or [POLS 328.3](#)

Students must consult with the department in the selection of their other courses.

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

- [300-Level POLS Courses](#)

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

- [400-Level POLS Courses](#)

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

Governance and Public Law

- [POLS 222.3](#)
- [POLS 225.3](#)
- [POLS 226.3](#)
- [POLS 302.3](#)
- [POLS 303.3](#)
- [POLS 304.3](#)
- [POLS 305.3](#)
- [POLS 306.3](#)
- [POLS 307.3](#)
- [POLS 322.3](#)
- [POLS 323.3](#)
- [POLS 327.3](#)
- [POLS 329.3](#)
- [POLS 403.3](#)
- [POLS 404.3](#)
- [POLS 405.3](#)
- [POLS 422.3](#)
- [POLS 425.3](#)

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

Comparative Politics

- *No change*

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

Ideas and Global Issues

- [IS 201.3](#)
- [POLS 250.3](#)
- [POLS 251.3](#)
- [POLS 263.3](#)
- [POLS 336.3](#)
- [POLS 337.3](#)
- [POLS 349.3](#)
- [POLS 362.3](#)
- [POLS 364.3](#)
- [POLS 368.3](#)
- [POLS 370.3](#)
- [POLS 372.3](#)
- [POLS 375.3](#)
- [POLS 431.3](#)
- [POLS 460.3](#)

- [POLS 461.3](#)
- [POLS 465.3](#)
- [POLS 471.3](#)

Rationale: POLS 302.3 (The Law and Politics of Work and Employment) and POLS 327.3 (Political Marketing) cover material appropriate for inclusion in the Governance and Law subsection, and IS 201 (Global Citizenship Cultures and Coexistence) and POLS 263 (Politics of International Law) cover material appropriate for inclusion in the Ideas and Global Issues subsection. The addition of these courses will result in greater course selection and scheduling flexibility.

Psychology

Minor program revisions

Bachelor of Arts Four-year in Psychology

Add a requirement for 3 credit units in 400-level PSY to requirement B6.

Bachelor of Arts Four-year (B.A. Four-year) - Psychology **B6 Major Requirement (30 credit units)**

- [PSY 233.3](#)
- [PSY 234.3](#)
- [PSY 235.3](#)

Group 1

Courses related to the cultural, social, and environmental influences on behaviour

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

- [PSY 207.3](#)
- [PSY 213.3](#)
- [PSY 214.3](#)
- [PSY 216.3](#)
- [PSY 222.3](#)
- [PSY 223.3](#)
- [PSY 224.3](#)
- [PSY 225.3](#)
- [PSY 226.3](#)
- [PSY 227.3](#)
- [PSY 230.3](#)
- [PSY 231.3](#)
- [PSY 236.3](#)
- [PSY 257.3](#)
- [PSY 260.3](#)
- [PSY 261.3](#)

Group 2

Courses related to the cognitive, neuropsychological, and biological influences on behaviour

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

- [PSY 242.3](#)
- [PSY 243.3](#)

- [PSY 246.3](#)
- [PSY 252.3](#)
- [PSY 253.3](#)
- [PSY 255.3](#)
- [PSY 256.3](#)

Choose **6 credit units** from the following categories so as to take courses from one of the combinations of 1A and 2A; or 1A and 1B; or 2A and 2B:

Group 1A

Courses related to the cultural, social, and environmental influences on behaviour

- [PSY 315.3](#)
- [PSY 317.3](#)
- [PSY 323.3](#)
- [PSY 325.3](#)

Group 2A

Courses related to the cognitive, neuropsychological, and biological influences on behaviour

- [PSY 343.3](#)
- [PSY 347.3](#)
- [PSY 355.3](#)

Group 1B

- [PSY 316.3](#)
- [PSY 318.3](#)
- [PSY 324.3](#)
- [PSY 326.3](#)
- [PSY 328.3](#)

Group 2B

- [PSY 344.3](#)
- [PSY 348.3](#)
- [PSY 356.3](#)

Senior Psychology Courses

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

- [200-Level, 300-Level or 400-Level PSY Courses](#)
- [400-Level PSY Courses](#)

Rationale: The faculty in the department feel that the Four-year program should require at least one 400-level course in the major, which will give students the opportunity to examine a topic or research area in depth. That is, the new requirement can serve as an integration of theory/content (acquired through the 200- and 300-level courses) and research projects (acquired through the 300-level courses), and can be a type of "capstone" for students completing this program.

Bachelor of Science Four-year in Psychology

Add a requirement for 3 credit units in 400-level PSY to requirement C6.

Bachelor of Science Four-year (B.Sc. Four-year) - Psychology **C6 Major Requirement (42 credit units)**

30 credit units of Psychology Science courses, including 9 credit units of Psychology Statistics/Research Methods courses and 21 credit units from the Psychology Group 2 (Science) courses, plus 6 credit units of Psychology Group 1 (Social Science) courses, and 6 credit units of any Psychology course at the 200 level or higher.

Psychology Statistics/Research Methods Courses

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

- [PSY 233.3](#)
- [PSY 234.3](#)
- [PSY 235.3](#)

Psychology Group 2 (Science) Courses (21 credit units)

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

- [PSY 242.3](#)
- [PSY 243.3](#)
- [PSY 246.3](#)
- [PSY 252.3](#)
- [PSY 253.3](#)
- [PSY 255.3](#)
- [PSY 256.3](#)

Group 2A

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

- [PSY 343.3](#)
- [PSY 347.3](#)
- [PSY 355.3](#)

Group 2B

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

- [PSY 344.3](#)
- [PSY 348.3](#)
- [PSY 356.3](#)

Group 2 at the 200 level or higher

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

- [PSY 242.3](#)
- [PSY 243.3](#)

- [PSY 246.3](#)
- [PSY 252.3](#)
- [PSY 253.3](#)
- [PSY 255.3](#)
- [PSY 256.3](#)
- [PSY 343.3](#)
- [PSY 344.3](#)
- [PSY 347.3](#)
- [PSY 348.3](#)
- [PSY 355.3](#)
- [PSY 356.3](#)
- [PSY 448.3](#)
- [PSY 456.3](#)

Psychology Group 1 (Social Science) courses (6 credit units)

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

- [PSY 207.3](#)
- [PSY 213.3](#)
- [PSY 214.3](#)
- [PSY 216.3](#)
- [PSY 222.3](#)
- [PSY 223.3](#)
- [PSY 224.3](#)
- [PSY 225.3](#)
- [PSY 226.3](#)
- [PSY 227.3](#)
- [PSY 230.3](#)
- [PSY 231.3](#)
- [PSY 236.3](#)
- [PSY 257.3](#)
- [PSY 260.3](#)
- [PSY 261.3](#)

Senior Psychology Courses

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

- [400-Level PSY Courses](#)

Choose **6 3 credit units** from the following:

- [200-Level, 300-Level or 400-Level PSY Courses](#)

Rationale: See Bachelor of Arts Four-year in Psychology above.

Course deletions

PSY 328.3 The Experimental Method in Social Psychological Research

Rationale: PSY 328.3 and PSY 326.3 are very similar, as both courses are set up to engage students in conducting social psychological research. The split between PSY 326 (Observation, Interview, and Questionnaire Methods in Social Psychological Research) and PSY 328 (Experimental Method in Social Psychological Research) is somewhat artificial given that social psychological research encompasses a variety of methods, and students who want to carry out social psychology research require exposure to

the intersection of both categories. This can easily be accomplished under the banner of one course. (See below for revisions to PSY 326.)

PSY 343.3 Laboratory in Behavioral Neuroscience

PSY 344.3 Research in Behavioral Neuroscience

These courses involve animal research, and therefore, need a specialized instructor and animal facilities (which the Psychology department no longer has). As such, these courses have only each been offered once in the past three years, taught by a Sessional Lecturer working out of the Health Sciences building. Moreover, the student demand for both courses is minimal.

Items for Information

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.

Archaeology

Minor course revisions

ARCH 300.3 Archaeology Reading Course I

New title: Archeology Research Course

New catalogue entry: Supervised research (literature, laboratory, or field-based) course in a particular aspect of one of the branches of archaeology or bioarchaeology not offered in lecture form in this department. A detailed research program will be designed on an individual basis and will be guided by regular consultation with one or more faculty members. The student is required to consult with prospective faculty member(s) to plan a research project and make arrangements for supervision. The student may register in the course only after a detailed course syllabus has been approved by the Department Head.

New term listing: Change from "1(3R)" to "1/2(3R)"

Rationale: There is a growing interest among both students and faculty in the department for individual guided research courses in Archaeology. There is currently no honours thesis in ARCH or any other course through which students can engage in an individualized research project at the undergraduate level. This course was formerly listed as a "reading" course, but has been being used as a research course instead (with ARCH 301 used as for reading course options). This change to the course information will help students understand which of the courses better meets their needs.

Geology

Minor course revisions

GEOL 343.3 Sedimentary Environments

Prerequisite change:

Old prerequisite(s): GEOL 247 (prerequisite), GEOL 308 (prerequisite or co-requisite)

New prerequisite(s): GEOL 245 (prerequisite), GEOL 247 (prerequisite or co-requisite)

Rationale: The content of GEOL 343 has been adjusted so that students no longer need material from GEOL 308 to be successful. Dropping GEOL 308 as a prerequisite will allow students to take GEOL 343 earlier in their program, which will provide more flexibility for students who wish to take GEOL 405 (International Field Studies) as part of their requirements. This new prerequisite scheme will allow students interested in sedimentary geology and stratigraphy to become familiar with the fundamentals of this field in a coordinated fashion.

GEOL 447.3 Ichnology**GEOL 448.3 Sequence Stratigraphy Basic Concepts and Applications in Petroleum Geology**

Prerequisite change:

Old prerequisite(s): GEOL 343

New prerequisite or co-requisite(s): GEOL 343

Rationale: This change will allow students to take GEOL 245 in Fall term and GEOL 343 and 447/448 in Winter term. The content of these courses is carefully coordinated, so students will be able to look at specific problems concurrently from different perspectives.

Psychology**Minor course revisions****PSY 326.3 Observation Interview and Questionnaire Methods in Social Psychology Research**

New title: Research in Social Psychology

New course description: Students will research social psychological phenomena using non-experimental (e.g., observation, interviews, surveys) and/or experimental methods. Students will conduct a research project (individually or in small groups) over a full semester. That is, they will choose a research question, review the relevant literature, obtain ethical approval, design and conduct the study, analyze data, and write a research report.

Rationale: The changes to PSY 326 (title and course content) are being done to better reflect the variety of methods in social psychological research. PSY 326 will now be used to cover both experimental and non-experimental methods, rather than splitting the topics between PSY 326 and 328. This change will make it feasible for both topics to be covered on a regular basis.

PSY 425.3 Advanced Group Dynamics and Intergroup Relations

Prerequisite change:

Old prerequisite(s): PSY 225 and one of PSY 226, 323, or 325.

New prerequisite(s): One of PSY 225 or 226; AND one of PSY 315, 317, 323 or 325.

Rationale: This change will allow more Psychology Bachelor of Arts and Bachelor of Science Four-year majors to take this important capstone class, while maintaining the prerequisites necessary for appropriate student preparation.

College of Education – May 2018 University Course Challenge

The curricular revisions listed below were approved by the College of Education Faculty Council on Friday, May 11, 2018 and are now submitted to the University Course Challenge for approval.

Contact: Arvelle Van Dyck (arvelle.vandyck@usask.ca)

Minor program revision:

To remove ECON 204.6: Statistical Applications in Social Sciences from the list of acceptable courses for the Mathematics requirement and the Mathematics Teaching Area 1 and 2 options for the Elementary/Middle Years level in the Bachelor of Education program.

Bachelor of Education

Elementary/Middle Years Program Requirements

Choose 3 credit units of Mathematics or Statistics:

Please Note: not required if Mathematics/Statistics is a Teaching Area.

- ~~ECON 204.6~~
- [ECON 450.3](#)
- [GEOG 302.3](#)
- [PLSC 214.3](#)
- [PSY 233.3](#)
- [PSY 234.3](#)
- [SOC 225.3](#)
- [SOC 325.3](#)
- [100-Level, 200-Level, 300-Level or 400-Level MATH Courses](#)
- [100-Level, 200-Level, 300-Level or 400-Level STAT Courses](#)

Teaching Area 1 – Mathematics

Mathematics

Choose 6 credit units from the following junior level Mathematics or Statistics courses:

- [100-Level MATH Courses](#)
- [100-Level STAT Courses](#)

Choose 12 credit units from the following senior level Mathematics or Statistics courses:

- ~~ECON 204.6~~
- [ECON 306.3](#)
- [ECON 450.3](#)
- [GEOG 302.3](#)
- [MATH 164.3](#)

- [PLSC 214.3](#)
- [PSY 233.3](#)
- [PSY 234.3](#)
- [SOC 225.3](#)
- [SOC 325.3](#)
- [200-Level, 300-Level or 400-Level MATH Courses](#)
- [200-Level, 300-Level or 400-Level STAT Courses](#)

Teaching Area 2 – Mathematics

Mathematics

Choose 6 credit units from the following junior level Mathematics or Statistics courses:

- [100-Level MATH Courses](#)
- [100-Level STAT Courses](#)

Choose 6 credit units from the following senior level Mathematics or Statistics courses

- ~~[ECON 204.6](#)~~
- [ECON 306.3](#)
- [ECON 450.3](#)
- [GEOG 302.3](#)
- [MATH 164.3](#)
- [PLSC 214.3](#)
- [PSY 233.3](#)
- [PSY 234.3](#)
- [SOC 225.3](#)
- [SOC 325.3](#)
- [200-Level, 300-Level or 400-Level MATH Courses](#)
- [200-Level, 300-Level or 400-Level STAT Courses](#)

Minor program revision:

That statistics courses with Social Sciences/Social Studies subject codes—specifically ECON 450.3, PSY 233.3, PSY 234.3, SOC 225.3 and SOC 325.3—should not be used to meet the Social Sciences/Social Studies requirements and Teaching Areas for the Bachelor of Education Program.

Bachelor of Education

Elementary/Middle Years Program Requirements

[Choose 3 credit units of Social Sciences/Social Studies:](#)

Please Note: not required if Social Sciences/Social Studies or Indigenous Studies is a Teaching Area.

***Note: ECON 450.3, PSY 233.3, PSY 234.3, SOC 225.3 and SOC 325.3 cannot be used to fulfill this requirement.**

- [CLAS 110.3](#)
- [CLAS 111.3](#)
- [CLAS 220.3](#)
- [CLAS 225.3](#)
- [CLAS 240.3](#)
- [CLAS 242.3](#)
- [CLAS 247.3](#)
- [CLAS 248.3](#)
- [GEOG 130.3](#)
- [GEOG 202.3](#)
- [GEOG 204.3](#)
- [GEOG 208.3](#)
- [GEOG 240.3](#)
- [GEOG 280.3](#)
- [GEOG 340.3](#)
- [GEOG 364.3](#)
- [GEOG 381.3](#)
- [GEOG 385.3](#)
- [GEOG 386.3](#)
- [GEOG 486.3](#)
- [GEOG 491.3](#)
- [PLAN 341.3](#)
- [PLAN 342.3](#)
- [PLAN 343.3](#)
- [PLAN 346.3](#)
- [PLAN 350.3](#)
- [PLAN 442.3](#)

- [PLAN 446.3](#)
- [100-Level, 200-Level, 300-Level or 400-Level ANTH Courses](#)
- [100-Level, 200-Level, 300-Level or 400-Level CMRS Courses](#)
- [100-Level, 200-Level, 300-Level or 400-Level CTST Courses](#)
- [100-Level, 200-Level, 300-Level or 400-Level ECON Courses](#)
- [100-Level, 200-Level, 300-Level or 400-Level HIST Courses](#)
- [100-Level, 200-Level, 300-Level or 400-Level INDG Courses](#)
- [100-Level, 200-Level, 300-Level or 400-Level IS Courses](#)
- [100-Level, 200-Level, 300-Level or 400-Level PHIL Courses](#)
- [100-Level, 200-Level, 300-Level or 400-Level POLS Courses](#)
- [100-Level, 200-Level, 300-Level or 400-Level PSY Courses](#)
- [100-Level, 200-Level, 300-Level or 400-Level RLST Courses](#)
- [100-Level, 200-Level, 300-Level or 400-Level SOC Courses](#)
- [100-Level, 200-Level, 300-Level or 400-Level WGST Courses](#)

Teaching Area 1 – Social Sciences/Social Studies

[Social Sciences/Social Studies](#)

Teacher candidates may choose Social Sciences/Social Studies OR Indigenous Studies as a Teaching Area, but cannot choose both. Any 100-level course taken after the first 6 credit units will be counted as a senior course.

***Note: ECON 450.3, PSY 233.3, PSY 234.3, SOC 225.3 and SOC 325.3 cannot be used to fulfill this requirement.**

*Please note: at least 6 credit units of the total 18 credit units must include Canadian content:

- HIST courses with Canadian content are: [HIST 125.3](#) (only those sections containing Canadian content will be considered), [HIST 151.3](#), [HIST 152.3](#), [HIST 253.3](#), [HIST 255.3](#), [HIST 256.3](#), [HIST 257.3](#), [HIST 258.3](#), [HIST 259.3](#), [HIST 260.3](#), [HIST 263.6](#), [HIST 264.3](#), [HIST 265.3](#), [HIST 266.3](#), [HIST 310.3](#), [HIST 350.3](#), [HIST 353.3](#), [HIST 361.3](#), [HIST 362.3](#), [HIST 363.3](#), [HIST 364.3](#), [HIST 365.3](#), [HIST 410.3](#), [HIST 450.6](#), [HIST 466.3](#), [HIST 492.6](#);
- ECON course with Canadian content is: [ECON 231.3](#);
- GEOG courses with Canadian content are: [GEOG 202.3](#), [GEOG 204.3](#), [GEOG 381.3](#), [GEOG 386.3](#), [PLAN 342.3](#), [PLAN 343.3](#), [PLAN 442.3](#);
- POLS courses with Canadian content are: [POLS 204.3](#), [POLS 205.3](#), [POLS 222.3](#), [POLS 225.3](#), [POLS 226.3](#), [POLS 303.3](#), [POLS 304.3](#), [POLS 305.3](#), [POLS 306.3](#), [POLS 307.3](#), [POLS 322.3](#), [POLS 323.3](#), [POLS 349.3](#), [POLS 375.3](#), [POLS 404.3](#), [POLS 405.3](#), [POLS 422.3](#), [POLS 425.3](#);
- SOC courses with Canadian content are: [SOC 203.3](#), [SOC 204.3](#), [SOC 219.3](#), [SOC 227.6](#), [SOC 244.3](#), [SOC 246.3](#), [SOC 319.3](#), [SOC 341.3](#);
- all INDG courses are acceptable except [INDG 221.3](#) and [INDG 272.3](#).

Choose 6 credit units from the following Indigenous Studies courses:

- [POLS 222.3](#)
- [SOC 203.3](#)
- [SOC 219.3](#)
- [SOC 320.3](#)
- [SOC 341.3](#)
- [100-Level, 200-Level, 300-Level or 400-Level INDG Courses](#)

Choose 6 credit units from the following History courses:

- [INDG 212.3](#)
- [INDG 280.6](#)
- [INDG 281.3](#)
- [100-Level, 200-Level, 300-Level or 400-Level HIST Courses](#)

Choose 6 credit units from the following Social Science courses:

- [100-Level, 200-Level, 300-Level or 400-Level ANTH Courses](#)
- [100-Level, 200-Level, 300-Level or 400-Level CMRS Courses](#)
- [100-Level, 200-Level, 300-Level or 400-Level CTST Courses](#)
- [100-Level, 200-Level, 300-Level or 400-Level ECON Courses](#)
- [100-Level, 200-Level, 300-Level or 400-Level HIST Courses](#)
- [100-Level, 200-Level, 300-Level or 400-Level INDG Courses](#)
- [100-Level, 200-Level, 300-Level or 400-Level IS Courses](#)
- [100-Level, 200-Level, 300-Level or 400-Level PHIL Courses](#)
- [100-Level, 200-Level, 300-Level or 400-Level POLS Courses](#)
- [100-Level, 200-Level, 300-Level or 400-Level PSY Courses](#)
- [100-Level, 200-Level, 300-Level or 400-Level RLST Courses](#)
- [100-Level, 200-Level, 300-Level or 400-Level SOC Courses](#)
- [100-Level, 200-Level, 300-Level or 400-Level WGST Courses](#)
- [CLAS 110.3](#)
- [CLAS 111.3](#)
- [CLAS 220.3](#)
- [CLAS 225.3](#)
- [CLAS 240.3](#)
- [CLAS 242.3](#)
- [CLAS 247.3](#)
- [CLAS 248.3](#)
- [GEOG 130.3](#)
- [GEOG 202.3](#)
- [GEOG 204.3](#)
- [GEOG 208.3](#)
- [GEOG 240.3](#)
- [GEOG 340.3](#)
- [GEOG 364.3](#)
- [GEOG 381.3](#)

- [GEOG 385.3](#)
- [GEOG 386.3](#)
- [GEOG 491.3](#)
- [PLAN 341.3](#)
- [PLAN 342.3](#)
- [PLAN 343.3](#)
- [PLAN 346.3](#)
- [PLAN 350.3](#)
- [PLAN 392.3](#)
- [PLAN 442.3](#)
- [PLAN 446.3](#)

Teaching Area 2 – Social Sciences/Social Studies

[Social Sciences/Social Studies](#)

Teacher candidates may choose Social Sciences/Social Studies OR Indigenous Studies as a Teaching Area, but cannot choose both. Any 100-level course taken after the first 6 credit units will be counted as a senior course.

***Note: ECON 450.3, PSY 233.3, PSY 234.3, SOC 225.3 and SOC 325.3 cannot be used to fulfill this requirement.**

*Please note: at least 6 credit units of the total 12 credit units must include Canadian content:

- HIST courses with Canadian content are: [HIST 125.3](#) (only those sections containing Canadian content will be considered), [HIST 151.3](#), [HIST 152.3](#), [HIST 253.3](#), [HIST 255.3](#), [HIST 255.3](#), [HIST 256.3](#), [HIST 257.3](#), [HIST 258.3](#), [HIST 259.3](#), [HIST 260.3](#), [HIST 263.6](#), [HIST 264.3](#), [HIST 265.3](#), [HIST 266.3](#), [HIST 310.3](#), [HIST 350.3](#), [HIST 353.3](#), HIST 361.3, [HIST 362.3](#), [HIST 363.3](#), [HIST 364.3](#), [HIST 365.3](#), [HIST 410.3](#), [HIST 450.6](#), [HIST 466.3](#), [HIST 492.6](#);
- ECON course with Canadian content is: [ECON 231.3](#);
- GEOG courses with Canadian content are: [GEOG 202.3](#), [GEOG 204.3](#), [GEOG 381.3](#), [GEOG 386.3](#), [PLAN 342.3](#), [PLAN 343.3](#), [PLAN 442.3](#);
- POLS courses with Canadian content are: [POLS 204.3](#), [POLS 205.3](#), [POLS 222.3](#), [POLS 225.3](#), [POLS 226.3](#), [POLS 303.3](#), [POLS 304.3](#), [POLS 305.3](#), [POLS 306.3](#), [POLS 307.3](#), [POLS 322.3](#), [POLS 323.3](#), [POLS 349.3](#), [POLS 375.3](#), [POLS 404.3](#), [POLS 405.3](#), [POLS 422.3](#), [POLS 425.3](#);
- SOC courses with Canadian content are: [SOC 203.3](#), [SOC 204.3](#), [SOC 219.3](#), [SOC 227.6](#), [SOC 244.3](#), [SOC 246.3](#), [SOC 319.3](#), [SOC 341.3](#);
- all INDG courses are acceptable except [INDG 221.3](#) and [INDG 272.3](#).

Choose 3 credit units from the following Indigenous Studies courses:

- [POLS 222.3](#)
- [SOC 203.3](#)

- [SOC 219.3](#)
- [SOC 320.3](#)
- [SOC 341.3](#)
- [SOC 341.3](#)
- [100-Level, 200-Level, 300-Level or 400-Level INDG Courses](#)

Choose 3 credit units from the following History courses:

- [INDG 212.3](#)
- [INDG 280.6](#)
- [INDG 281.3](#)
- [100-Level, 200-Level, 300-Level or 400-Level HIST Courses](#)

Choose 6 credit units from the following Social Sciences courses:

- [CLAS 110.3](#)
- [CLAS 111.3](#)
- [CLAS 220.3](#)
- [CLAS 225.3](#)
- [CLAS 240.3](#)
- [CLAS 242.3](#)
- [CLAS 247.3](#)
- [CLAS 248.3](#)
- [GEOG 130.3](#)
- [GEOG 202.3](#)
- [GEOG 204.3](#)
- [GEOG 208.3](#)
- [GEOG 240.3](#)
- [GEOG 340.3](#)
- [GEOG 364.3](#)
- [GEOG 381.3](#)
- [GEOG 385.3](#)
- [GEOG 386.3](#)
- [GEOG 491.3](#)
- [PLAN 341.3](#)
- [PLAN 342.3](#)
- [PLAN 343.3](#)
- [PLAN 346.3](#)
- [PLAN 350.3](#)
- [PLAN 392.3](#)
- [PLAN 442.3](#)
- [PLAN 446.3](#)
- [100-Level, 200-Level, 300-Level or 400-Level ANTH Courses](#)
- [100-Level, 200-Level, 300-Level or 400-Level CMRS Courses](#)
- [100-Level, 200-Level, 300-Level or 400-Level CTST Courses](#)
- [100-Level, 200-Level, 300-Level or 400-Level ECON Courses](#)

- [100-Level, 200-Level, 300-Level or 400-Level HIST Courses](#)
- [100-Level, 200-Level, 300-Level or 400-Level INDG Courses](#)
- [100-Level, 200-Level, 300-Level or 400-Level IS Courses](#)
- [100-Level, 200-Level, 300-Level or 400-Level PHIL Courses](#)
- [100-Level, 200-Level, 300-Level or 400-Level POLS Courses](#)
- [100-Level, 200-Level, 300-Level or 400-Level PSY Courses](#)
- [100-Level, 200-Level, 300-Level or 400-Level RLST Courses](#)
- [100-Level, 200-Level, 300-Level or 400-Level SOC Courses](#)
- [100-Level, 200-Level, 300-Level or 400-Level WGST Courses](#)

Secondary Program Requirements

Teaching Area 1 – Social Sciences/Social Studies

[Social Sciences/Social Studies](#)

Teacher candidates may choose Social Sciences/Social Studies OR Indigenous Studies as a Teaching Area, but cannot choose both. Any 100-level course taken after the first 6 credit units will be counted as a senior course.

***Note: ECON 450.3, PSY 233.3, PSY 234.3, SOC 225.3 and SOC 325.3 cannot be used to fulfill this requirement.**

*Please note: least 6 credit units of the total 24 credit units must include Canadian content:

- HIST courses with Canadian content are: [HIST 125.3](#) (only those sections containing Canadian Content will be considered), [HIST 151.3](#), [HIST 152.3](#), [HIST 253.3](#), [HIST 255.3](#), [HIST 256.3](#), [HIST 257.3](#), [HIST 258.3](#), [HIST 259.3](#), [HIST 260.3](#), [HIST 263.6](#), [HIST 264.3](#), [HIST 265.3](#), [HIST 266.3](#), [HIST 310.3](#), [HIST 350.3](#), [HIST 353.3](#), [HIST 361.3](#), [HIST 362.3](#), [HIST 363.3](#), [HIST 364.3](#), [HIST 365.3](#), [HIST 410.3](#), [HIST 450.6](#), [HIST 466.3](#), [HIST 492.6](#);
- ECON course with Canadian content is: [ECON 231.3](#);
- GEOG courses with Canadian content are: [GEOG 202.3](#), [GEOG 204.3](#), [GEOG 381.3](#), [GEOG 386.3](#), [PLAN 342.3](#), [PLAN 343.3](#), [PLAN 442.3](#);
- POLS courses with Canadian content are: [POLS 204.3](#), [POLS 205.3](#), [POLS 222.3](#), [POLS 225.3](#), [POLS 226.3](#), [POLS 303.3](#), [POLS 304.3](#), [POLS 305.3](#), [POLS 306.3](#), [POLS 307.3](#), [POLS 322.3](#), [POLS 323.3](#), [POLS 349.3](#), [POLS 375.3](#), [POLS 404.3](#), [POLS 405.3](#), [POLS 422.3](#), [POLS 425.3](#);
- SOC courses with Canadian content are: [SOC 203.3](#), [SOC 204.3](#), [SOC 219.3](#), [SOC 227.6](#), [SOC 244.3](#), [SOC 246.3](#), [SOC 319.3](#), [SOC 341.3](#);
- all INDG courses are acceptable except [INDG 221.3](#) and [INDG 272.3](#).

Choose 6 credit units from the following Indigenous Studies courses:

- [POLS 222.3](#)
- [SOC 203.3](#)

- [SOC 219.3](#)
- [SOC 320.3](#)
- [SOC 341.3](#)
- [100-Level, 200-Level, 300-Level or 400-Level INDG Courses](#)

Choose 6 credit units from the following History courses:

- [INDG 212.3](#)
- [INDG 280.6](#)
- [INDG 281.3](#)
- [100-Level, 200-Level, 300-Level or 400-Level HIST Courses](#)

Choose 12 credit units from the following Social Sciences courses:

- [100-Level, 200-Level, 300-Level or 400-Level ANTH Courses](#)
- [100-Level, 200-Level, 300-Level or 400-Level CMRS Courses](#)
- [100-Level, 200-Level, 300-Level or 400-Level CTST Courses](#)
- [100-Level, 200-Level, 300-Level or 400-Level ECON Courses](#)
- [100-Level, 200-Level, 300-Level or 400-Level HIST Courses](#)
- [100-Level, 200-Level, 300-Level or 400-Level INDG Courses](#)
- [100-Level, 200-Level, 300-Level or 400-Level IS Courses](#)
- [100-Level, 200-Level, 300-Level or 400-Level PHIL Courses](#)
- [100-Level, 200-Level, 300-Level or 400-Level POLS Courses](#)
- [100-Level, 200-Level, 300-Level or 400-Level PSY Courses](#)
- [100-Level, 200-Level, 300-Level or 400-Level RLST Courses](#)
- [100-Level, 200-Level, 300-Level or 400-Level SOC Courses](#)
- [100-Level, 200-Level, 300-Level or 400-Level WGST Courses](#)
- [CLAS 110.3](#)
- [CLAS 111.3](#)
- [CLAS 220.3](#)
- [CLAS 225.3](#)
- [CLAS 240.3](#)
- [CLAS 242.3](#)
- [CLAS 247.3](#)
- [CLAS 248.3](#)
- [GEOG 130.3](#)
- [GEOG 202.3](#)
- [GEOG 204.3](#)
- [GEOG 208.3](#)
- [GEOG 240.3](#)
- [GEOG 340.3](#)
- [GEOG 364.3](#)
- [GEOG 381.3](#)
- [GEOG 385.3](#)
- [GEOG 386.3](#)
- [GEOG 491.3](#)

- [PLAN 341.3](#)
- [PLAN 342.3](#)
- [PLAN 343.3](#)
- [PLAN 346.3](#)
- [PLAN 350.3](#)
- [PLAN 392.3](#)
- [PLAN 442.3](#)
- [PLAN 446.3](#)

Teaching Area 2 – Social Sciences/Social Studies

[Social Sciences/Social Studies](#)

Teacher candidates may choose Social Sciences/Social Studies OR Indigenous Studies as a Teaching Area, but cannot choose both. Any 100-level course taken after the first 6 credit units will be counted as a senior course.

***Note: ECON 450.3, PSY 233.3, PSY 234.3, SOC 225.3 and SOC 325.3 cannot be used to fulfill this requirement.**

*Please note: at least 6 credit units of the total 15 credit units must include Canadian content:

- HIST courses with Canadian content are: [HIST 125.3](#) (only those sections containing Canadian content will be considered), [HIST 151.3](#), [HIST 152.3](#), [HIST 253.3](#), [HIST 255.3](#), [HIST 256.3](#), [HIST 257.3](#), [HIST 258.3](#), [HIST 259.3](#), [HIST 260.3](#), [HIST 263.6](#), [HIST 264.3](#), [HIST 265.3](#), [HIST 266.3](#), [HIST 310.3](#), [HIST 350.3](#), [HIST 353.3](#), HIST 361.3, [HIST 362.3](#), [HIST 363.3](#), [HIST 364.3](#), [HIST 365.3](#), [HIST 410.3](#), [HIST 450.6](#), [HIST 466.3](#), [HIST 492.6](#);
- ECON course with Canadian content is: [ECON 231.3](#);
- GEOG courses with Canadian content are: [GEOG 202.3](#), [GEOG 204.3](#), [GEOG 381.3](#), [GEOG 386.3](#), [PLAN 342.3](#), [PLAN 343.3](#), [PLAN 442.3](#);
- POLS courses with Canadian content are: [POLS 204.3](#), [POLS 205.3](#), [POLS 222.3](#), [POLS 225.3](#), [POLS 226.3](#), [POLS 303.3](#), [POLS 304.3](#), [POLS 305.3](#), [POLS 306.3](#), [POLS 307.3](#), [POLS 322.3](#), [POLS 323.3](#), [POLS 349.3](#), [POLS 375.3](#), [POLS 404.3](#), [POLS 405.3](#), [POLS 422.3](#), [POLS 425.3](#);
- SOC courses with Canadian content are: [SOC 203.3](#), [SOC 204.3](#), [SOC 219.3](#), [SOC 227.6](#), [SOC 244.3](#), [SOC 246.3](#), [SOC 319.4](#);
- all INDG courses are acceptable except [INDG 221.3](#) and [INDG 272.3](#).

Choose 6 credit units from the following Indigenous Studies courses:

- [POLS 222.3](#)
- [SOC 203.3](#)
- [SOC 219.3](#)
- [SOC 320.3](#)

- [SOC 341.3](#)
- [100-Level, 200-Level, 300-Level or 400-Level INDG Courses](#)

Choose 6 credit units from the following History courses:

- [INDG 212.3](#)
- [INDG 280.6](#)
- [INDG 281.3](#)
- [100-Level, 200-Level, 300-Level or 400-Level HIST Courses](#)

Choose 3 credit units from the following Social Sciences courses:

- [100-Level, 200-Level, 300-Level or 400-Level ANTH Courses](#)
- [100-Level, 200-Level, 300-Level or 400-Level CMRS Courses](#)
- [100-Level, 200-Level, 300-Level or 400-Level CTST Courses](#)
- [100-Level, 200-Level, 300-Level or 400-Level ECON Courses](#)
- [100-Level, 200-Level, 300-Level or 400-Level HIST Courses](#)
- [100-Level, 200-Level, 300-Level or 400-Level INDG Courses](#)
- [100-Level, 200-Level, 300-Level or 400-Level IS Courses](#)
- [100-Level, 200-Level, 300-Level or 400-Level PHIL Courses](#)
- [100-Level, 200-Level, 300-Level or 400-Level POLS Courses](#)
- [100-Level, 200-Level, 300-Level or 400-Level PSY Courses](#)
- [100-Level, 200-Level, 300-Level or 400-Level RLST Courses](#)
- [100-Level, 200-Level, 300-Level or 400-Level SOC Courses](#)
- [100-Level, 200-Level, 300-Level or 400-Level WGST Courses](#)
- [CLAS 110.3](#)
- [CLAS 111.3](#)
- [CLAS 220.3](#)
- [CLAS 225.3](#)
- [CLAS 240.3](#)
- [CLAS 242.3](#)
- [CLAS 247.3](#)
- [CLAS 248.3](#)
- [GEOG 130.3](#)
- [GEOG 202.3](#)
- [GEOG 204.3](#)
- [GEOG 208.3](#)
- [GEOG 240.3](#)
- [GEOG 340.3](#)
- [GEOG 364.3](#)
- [GEOG 381.3](#)
- [GEOG 385.3](#)
- [GEOG 386.3](#)
- [GEOG 491.3](#)

- [PLAN 341.3](#)
- [PLAN 342.3](#)
- [PLAN 343.3](#)
- [PLAN 346.3](#)
- [PLAN 350.3](#)
- [PLAN 392.3](#)
- [PLAN 442.3](#)
- [PLAN 446.3](#)

Minor program revision:

That the Course and Program Catalogue listing for History courses with Canadian content includes:

- 100-level HIST (only those sections containing Canadian content will be considered, consult an academic advisor)
- [HIST 253.3](#): Bringing up the Bodies in History
- [HIST 255.3](#): Canadian History from the Pre-Contact Period to 1867
- [HIST 256.3](#): Post-Confederation Canadian 1867 to the Present
- [HIST 257.3](#): The Canadian Prairie to 1905
- [HIST 258.3](#): The Canadian Prairies since 1905
- [HIST 259.3](#): Canadian Women from Pre-Contact Period to 1918
- [HIST 260.3](#): Canadian Women History from 1919 to Present
- [HIST 263.6](#): The Canadian North
- [HIST 265.3](#): Native Newcomer Relations in Canada 1880 to Present
- [HIST 266.3](#): History Wars Issues in Native Newcomer Relations
- [HIST 310.3](#): Beavers Booze and Bully Boys Fur Trade Wars in North America
- [HIST 350.3](#): The War That Shaped a Continent: The Seven Years War and the Conquest of Canada
- [HIST 353.3](#): Pests Plagues Pox and Politics: A History of Health Care in Canada
- [HIST 363.3](#): Canada in Age of Affluence Post 1945
- [HIST 364.3](#): Imagining American and Canadian Wests
- [HIST 365.3](#): Recipes for a Nation Food History in Canada
- [HIST 410.3](#): France in the Americas 1500 to 1803: In Search of Empire*
- [HIST 466.3](#): Canada Great War

**Note: The HIST 410.3 instructor has indicated that about 60-65% of this course will be Canadian content, with a focus on Quebec and Detroit, which was considered "Canadian Content" during that time period.*

Bachelor of Education

Teaching Area - Social Sciences/Social Studies

- HIST courses with Canadian content are: 100-level HIST (only those sections containing Canadian content will be considered, consult an academic advisor); ~~HIST 151.3, HIST 152.3,~~ [HIST 253.3](#), [HIST 255.3](#), [HIST 256.3](#), [HIST 257.3](#), [HIST 258.3](#), [HIST 259.3](#), [HIST 260.3](#), [HIST 263.6](#), ~~HIST 264.3,~~ [HIST 265.3](#), [HIST 266.3](#), [HIST 310.3](#), [HIST 350.3](#), [HIST 353.3](#), ~~HIST 361.3,~~ ~~HIST 362.3,~~ [HIST 363.3](#), [HIST 364.3](#), [HIST 365.3](#), [HIST 410.3](#), ~~HIST 450.6,~~ [HIST 466.3](#), ~~HIST 492.6;~~
- ECON course with Canadian content is: [ECON 231.3](#);
- GEOG courses with Canadian content are: [GEOG 202.3](#), [GEOG 204.3](#), [GEOG 381.3](#), [GEOG 386.3](#), [PLAN 342.3](#), [PLAN 343.3](#), [PLAN 442.3](#);
- POLS courses with Canadian content are: [POLS 204.3](#), [POLS 205.3](#), [POLS 222.3](#), [POLS 225.3](#), [POLS 226.3](#), [POLS 303.3](#), [POLS 304.3](#), [POLS 305.3](#), [POLS 306.3](#), [POLS 307.3](#), [POLS](#)

[322.3](#), [POLS 323.3](#), [POLS 349.3](#), [POLS 375.3](#), [POLS 404.3](#), [POLS 405.3](#), [POLS 422.3](#), [POLS 425.3](#);

- SOC courses with Canadian content are: [SOC 203.3](#), [SOC 204.3](#), [SOC 219.3](#), [SOC 227.6](#), [SOC 244.3](#), [SOC 246.3](#), [SOC 319.3](#), [SOC 341.3](#);
- all INDG courses are acceptable except [INDG 221.3](#) and [INDG 272.3](#).

University Course Challenge Submission

The following items have been approved by the College of Engineering and are being submitted to University Course Challenge for approval:

School of Professional Development

- a) Motion: to change the prerequisite of RCM 495.3: Rhetorical Peer Mentorship:
- a. From: "Prerequisite(s): RCM 300 or 24 credit units of university level courses (including 6 credit units of RCM Non-EN Electives)."
 - b. To: "Prerequisite(s): 6 credit units from RCM 400-level courses". (Approved April 3, 2018).
 - c. Rationale: the revised prerequisite better reflects the required knowledge for RCM 495.3.

Department of Civil, Geological, and Environmental Engineering

- b) Motion: To add *GE 496.3: Technological Innovation Design Project* to the approved list of Group P: Planning and Projects electives in the Civil Engineering program. (Approved April 3, 2018)

Civil Engineering

Would you like to apply to this program?

[Admission requirements](#)

Civil Engineering covers the broad areas of municipal, geotechnical, hydrotechnical, structural, materials, and transportation engineering. The program is designed in such a way that students are exposed to basic civil engineering science during the second and third years of the program. During this time, the students are required to take courses that introduce the fundamental concepts in all of the program areas. In the final year, students have the opportunity to select electives that allow some degree of specialization. However, students are strongly encouraged to select electives that will provide them with a broad-based technical background. Project/design courses are provided in two of the three upper years. These courses are designed to give students experience in solving open-ended problems and in working in partnership with industry.

All undergraduate students admitted to the College of Engineering are required to complete a common first-year of undeclared studies (known as the first-year common core). Once the first-year common core program has been completed, undergraduate students declare their preferences and compete for admission into an upper-year program. Students who are successful in securing admission into an upper-year program are required to follow the program of study that is prescribed at the time of their admission into the upper-year program.

Recognizing that course and program changes may result in a modification to the original program of study, it is recommended that undergraduate students consult an Academic Advisor within the Engineering Student Centre on a regular basis to confirm their program of study, choose courses (including electives), and monitor their academic progress.

Program Requirements

[Bachelor of Science in Engineering \(B.E.\) - Civil Engineering](#)

[Year 1 \(34 credit units\)](#)

All Engineering programs have a [common](#) first year.

[Year 2 \(38 credit units\)](#)

[Fall Term](#)

- [CE 202.3](#)
- [CE 212.3](#)
- [GE 210.3](#)
- [GEOE 218.3](#)
- [MATH 223.3](#)

If GEOL 121 is not taken as the science elective in Year 1, it must be taken in Fall Term of Year 2.

Winter Term

- [CE 225.3](#)
- [CE 295.3](#)
- [GE 213.3](#)
- [MATH 224.3](#)
- [CMPT 113.3](#)

Fall Term or Winter Term

- [RCM 300.3](#)
- 3 credit units Science Elective List 1 or List 2

Spring Term

- [CE 271.2](#)

Year 3 (36 credit units)**Fall Term**

- [CE 315.3](#)
- [CE 317.3](#)
- [CE 318.3](#)
- [CE 320.3](#)
- [CE 328.3](#)
- [GE 348.3](#)

Winter Term

- [CE 319.3](#)
- [CE 321.3](#)
- [CE 327.3](#)
- [CE 329.3](#)
- [CE 330.3](#)
- 3 credit units Senior Humanities or Social Science Elective

Year 4 (36 credit units)**Fall Term and Winter Term**

- [CE 495.6](#)

Fall Term or Winter Term**27 credit units (9 courses)**

- 3 credit units CE Elective Courses (Group W)
- 3 credit units CE Elective Courses (Group G)
- 3 credit units CE Elective Courses (Group S)
- 3 credit units CE Elective Courses (Group P)
- 12 additional credit units CE Elective courses (Groups W, G, or S)
- 3 additional credit units CE Elective courses (Groups W, G, S, P, or R)

Winter Term

- [GE 449.3](#)

Electives

Science Elective

If [GEOL 121.3](#) is not taken as the science elective in Year 1, it must be taken in Fall Term of Year 2.

List 1

- [BIOL 120.3](#)
- [CHEM 115.3](#)
- [GEOL 121.3](#)
- [PHYS 125.3](#)

List 2

- [ASTR 213.3](#)
- [ASTR 214.3](#)
- [CHEM 221.3](#)
- [CHEM 231.3](#)
- [CHEM 242.3](#)
- [CHEM 250.3](#)
- [EVSC 203.3](#)
- [EVSC 210.3](#)
- [GEOG 120.3](#)
- [GEOL 224.3](#)
- [GEOL 245.3](#)
- [GEOL 258.3](#)

CE Elective Courses

CE electives are offered subject to minimum enrolment and staffing considerations. Civil Engineering students are required to complete 27 credit units from Groups W, G, S, P, or R:

W: Water and Municipal Engineering

- [CE 415.3](#)
- [CE 464.3](#)
- [GEOE 375.3](#)
- [ENVE 414.3](#)

G: Soil, Pavement and Geotechnical Engineering

- [CE 417.3](#)
- [CE 466.3](#)
- [CE 468.3](#)
- [GEOE 315.3](#)

S: Structural Engineering

- [CE 418.3](#)
- [CE 463.3](#)
- [CE 470.3](#)
- [CE 474.3](#)

P: Projects and Planning

- [CE 421.3](#)
- [CE 467.3](#)
- [ENVE 381.3](#)
- [GE 496.3](#)

R: Related Courses

- [PLAN 341.3](#)
- [PLAN 350.3](#)
- 400-Level RCM Courses

Senior Humanities or Social Science Elective

- [200-Level, 300-Level or 400-Level ANTH Courses](#)
- [200-Level, 300-Level or 400-Level ARCH Courses](#)
- [200-Level, 300-Level or 400-Level CLAS Courses](#)
- [200-Level, 300-Level or 400-Level ECON Courses](#)
- [200-Level, 300-Level or 400-Level ENG Courses](#)
- [200-Level, 300-Level or 400-Level HIST Courses](#)
- [200-Level, 300-Level or 400-Level INDG Courses](#)
- [200-Level, 300-Level or 400-Level PHIL Courses](#)
- [200-Level, 300-Level or 400-Level POLS Courses](#)
- [200-Level, 300-Level or 400-Level PSY Courses](#)
- [200-Level, 300-Level or 400-Level RLST Courses](#)
- [200-Level, 300-Level or 400-Level SOC Courses](#)
- [200-Level, 300-Level or 400-Level WGST Courses](#)
- GEOG Select 200, 300, or 400 Level
- [GEOG 202.3](#)
- [GEOG 204.3](#)
- [GEOG 208.3](#)
- [GEOG 240.3](#)
- [GEOG 280.3](#)
- Exception: [ECON 204.6](#) cannot be used to meet the Complementary Studies, Senior Humanities or Social Science elective requirements of the program.
- Exception: [PSY 233.3](#) and [PSY 236.3](#) cannot be used to meet the Complementary Studies, Senior Humanities or Social Science elective requirements of the program.
- Exception: [PHIL 241.3](#) cannot be used to meet the Senior Humanities or Social Science elective requirements of the program.
- Exception: [SOC 225.3](#) cannot be used to meet the Complementary Studies, Senior Humanities or Social Science elective requirements of the program.
- The following Engineering courses will also satisfy the Humanities/Social Science elective requirement: [RCM 400.3](#), [RCM 401.3](#), [RCM 402.3](#), [RCM 403.3](#), [RCM 404.3](#), [RCM 405.3](#), [RCM 406.3](#), [RCM 407.3](#), [RCM 408.3](#), [RCM 409.3](#), [RCM 410.3](#), and [RCM 495.3](#).

College of Graduate and Postdoctoral Studies (CGPS)

The curricular change listed below have been approved by the College of Graduate and Postdoctoral Studies and are submitted to the University Course Challenge.

University Course Challenge – MAY 2018

For Approval:

Course Modification

NURS 880.3 — SP&SU(40P)

Practicum I Advanced Nursing Practice in Primary Health Care

The student will provide direct care in selected primary health care settings. Students will have the opportunity to demonstrate primary health care skills and advanced practice clinical judgment. Scholarly activities in this clinical practicum will be designed so that the student will gain experience in consultation, education, integration of theory, research and clinical knowledge related to the goals of multidisciplinary health services and systems.

Prerequisite(s): NURS 879, NURS 881, NURS 883, NURS 870 or NURS 884, NURS 885, NURS 886, NURS 821 or NURS 892; and three credit units from NURS 818, PUBH 805, ERES 840, KIN 808, CHEP 805, CHEP 806, STAT 845 or PSY 805.

Note: Students with credit for NURS 887.3 or NURS 877.6 will not receive credit for this course. The current course was labeled NURS 887.3 until 201205 and was labeled NURS 877.6 until 201309.

For Information:

KIN 808.3 — 2(3L)

Data Analysis in KinesiologyUnivariate Statistics

Intended to provide students with a review of commonly used univariate statistical approaches~~quantitative data analysis~~. Content of the class will include the review of basic statistical concepts, measures of central tendency and variability, normal distribution and sampling error, hypothesis testing, t-tests, power analysis, correlation- regression, ANOVA, factorial ANOVA, repeated-measures ANOVA, ANCOVA, and multiple comparisons. Multiple regression, MANOVA, and non-parametric statistical analyses will be introduced. ~~theory behind quantitative analysis, illustrated with hands-on practical examples using available computer software.~~ Emphasis will be placed on acquiring the knowledge to be able to apply and understand the statistical techniques using SPSS.

Prerequisite(s): Students enrolled in the M.Sc. or Ph.D. in Kinesiology must have completed an undergraduate course in statistics. Students not enrolled in the M.Sc. or Ph.D. in Kinesiology must receive permission of the department before registering in this course.

College of Nursing, May 2018 University Course Challenge Submission

The following changes were approved by the College of Nursing Faculty Council on May 9, 2018 and are being submitted to University Course Challenge for approval:

NURS 220.3 — 2(3L-2.2P)

Concepts of Patient and Family Centered Care

Students will further explore clinical competencies necessary for developing and planning care of patients with acute and chronic needs. Opportunities will be provided to demonstrate critical thinking in the performance of nursing interventions in simulated clinical situations.

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 200.3; NURS 204.3, and MCIM 223.3

Prerequisite(s) or Corequisite(s): PHARM 250.3; and NURS 203.3

Prerequisite(s) or Corequisite(s): ~~NURS 200.3, NURS 201.3, NURS 202.3, NURS 203.3, NURS 204.3, NURS 207.3, NURS 208.3, PHAR 250.3, MCIM 223.3.~~

Note: ~~Students in the Post-Degree B.S.N. Option can register in NURS 220.3 without having received credit for NURS 201.3 as a prerequisite. These students will be required to complete NURS 201 later in the program. Students must have completed NURS 208.3 or PHSI 208.6.~~

NURS 221.3 — 144C over Spring Term

Patient and Family Centered Care in Clinical Practice

Opportunities to demonstrate critical thinking skills in the performance of nursing interventions necessary for the maintenance of patient safety, comfort, and physiological integrity in clinical situations.

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 203.3; NURS 220.3; PHAR 250.3; and NURS 208.3 or PHSI 208.6 ~~MCIM 223.3, NURS 200.3, NURS 201.3, NURS 202.3, NURS 203.3, NURS 204.3, NURS 207.3, NURS 208.3, NURS 220.3, and PHAR 250.3~~

Prerequisite(s) or Corequisite(s): NURS 201.3

Rationale: These changes are editorial in nature, and are simply meant to eliminate redundancies in the course catalogue. There is no change to the requirements or to students' progression through the B.S.N. program.

The following curricular changes were approved by the College of Pharmacy & Nutrition Faculty Council on May 14, 2018 and are being submitted for the May 2018 University Course Challenge:

Minor Course Revisions

PHAR 250.3 — 1/2(3L-1T) Pharmacology for Nursing

Introduces scientific principles of pharmacology with inclusion of the effects of drugs on target issues and on pathophysiological processes.

Prerequisite(s) or Corequisite(s): PHSI 208.6 or NURS 208.3 (or equivalent).

Note: This course may not be used for credit in the B.S.P. program.

Rationale: The College of Nursing introduced new physiology courses effective September 2018 (NURS 207 and 208). Adding NURS 208.3 will ensure students receive the necessary physiology background to meet the Nursing program and course requirements.