



Academic Programs Committee of Council

University Course Challenge

Scheduled posting: November 2011

Contents:

Arts and Science

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Curricular changes in **Division of Humanities and Fine Arts:** Languages and Linguistics, Music; **Division of Science:** Biochemistry, Bioinformatics, Biology, Biotechnology; **Division of Social Sciences:** Entrepreneurship, Archaeology and Anthropology, Economics, Geography, International Studies, Native Studies, Political Studies.

Approval:

Date of circulation: November 16, 2011

Date of effective approval if no Challenge received: November 30, 2011

Next scheduled posting:

University Course Challenge is now being posted once a month, on a regular schedule.

The next scheduled Challenge document posting will be in December 2011, with a submission deadline of Dec. 13. Urgent items can still be posted on request.

College of Arts and Science

University Course Challenge – November 2011

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 approval or information.

DIVISION OF HUMANITIES AND FINE ARTS

Languages & Linguistics

Minor Program Revisions

Modern Languages Bachelor of Arts 4-year, 3-year

Remove Russian from the list of Primary Language Course Options

Rationale: There is no longer an adequate number of Russian courses offered at the U of S to be able to meet the requirements for a Primary Language (24 credit units).

Minor Course Revision – this item for information only

LING 110.3 Introduction to Grammar

Change course attribute from SOCS (Social Science) to HUM (Humanities).

Rationale: This correct Arts & Science course attribute for a course on grammar is Humanities, not Social Science.

Music

New Course

MUAP 211.1 Ensemble

In all ensemble courses, a wide variety of musical repertoire is studied, rehearsed, and performed. Ensembles are open to all students of the University of Saskatchewan. Ensembles may require an entrance audition to be arranged with the instructor - please contact the Department of Music for further information. Each course is scheduled from September to April. The weekly practicum time may vary from ensemble to ensemble, but will never be more than 3 hours per week.

Note: This course may be repeated four times for credit.

Instructor(s): Music Faculty

Rationale: See below.

Minor Course Revisions

MUAP 201.1 Ensemble

New Title: Wind Orchestra

New Course Description: This ensemble is open to all students of the University of Saskatchewan by audition. Auditions take place in the first week of September by appointment. Throughout the academic year, a wide variety of wind ensemble repertoire will be studied, rehearsed, and performed. Students will rehearse together on a regular basis with the intention of performing at two major concerts (one at the end of T1, one at the end of T2). Other concerts and a tour may be scheduled throughout the academic year. All concert and tour dates will be announced in early September, before the add/drop deadline. Students will be tested individually twice a year - once before the major T1 concert and once before the major T2 concert.

Note: This course is considered an 'A' ensemble. This course may be repeated four times for credit.

MUAP 202.1 Ensemble

New Title: Concert Band

New Course Description: This ensemble is open to all students of the University of Saskatchewan. No audition is necessary. Throughout the academic year, a wide variety of wind ensemble repertoire will be studied, rehearsed, and performed. Students will rehearse together on a regular basis with the intention of performing at two major concerts (one at the end of T1, one at the end of T2). Other concerts may be scheduled throughout the academic year. All concert dates will be announced in early September, before the add/drop deadline. Students will be tested individually twice a year - once before the major T1 concert and once before the major T2 concert.

Note: This course is considered an 'A' ensemble. This course may be repeated four times for credit.

MUAP 203.1 Ensemble

New Title: Greystone Singers

New Course Description: This ensemble is open to all students of the University of Saskatchewan by audition. Auditions take place in the first week of September by appointment. Throughout the academic year, a wide variety of choral repertoire will be studied, rehearsed, and performed. Students will rehearse together on a regular basis with the intention of performing at two major concerts (one at the end of T1, one at the end of T2). Other concerts and a tour may be scheduled throughout the academic year. All concert and tour dates will be announced in early September, before the add/drop deadline. Students will be tested individually twice a year - once before the major T1 concert and once before the major T2 concert.

Note: This course is considered an 'A' ensemble. This course may be repeated four times for credit.

MUAP 204.1 Ensemble

New Title: University Chorus

New Course Description: This ensemble is open to all students of the University of Saskatchewan, as well as members of the community (who pay a fee to attend). No audition is required. Throughout the academic year, a wide variety of choral repertoire will be studied, rehearsed, and performed. Students will rehearse together on a regular basis with the intention of performing at two major concerts (one at the end of T1, one at the end of T2). Other concerts may be scheduled throughout the academic year. All concert dates will be announced in early September, before the add/drop deadline. Students will be tested individually twice a year - once before the major T1 concert and once before the major T2 concert.

Note: This course is considered an 'A' ensemble. This course may be repeated four times for credit.

MUAP 205.1 Ensemble

New Title: Orchestra with Strings

New Course Description: This ensemble is open to all string students in a B.Mus. program at the University of Saskatchewan by audition. Auditions take place in the first week of September by appointment. Throughout the academic year, a wide variety of orchestral repertoire will be studied, rehearsed, and performed. Students will rehearse together on a regular basis with the intention of performing at two major concerts (one at the end of T1, one at the end of T2). Other concerts and a tour may be scheduled throughout the academic year. All concert and tour dates will be announced in early September, before the add/drop deadline. Students will be tested individually twice a year - once before the major T1 concert and once before the major T2 concert.

Note: This course is considered an 'A' ensemble. This course may be repeated four times for credit.

MUAP 206.1 Ensemble

New Title: Music Theatre

New Course Description: This ensemble is open to all students of the University of Saskatchewan by audition. Auditions take place in the first week of September by appointment. Throughout the academic year, a wide variety of music theatre repertoire will be studied,

rehearsed, and performed. Students will rehearse together on a regular basis with the intention of performing at two sets of major concerts (one set at the end of T1, one set at the end of T2). Other concerts may be scheduled throughout the academic year. All concert dates will be announced in early September, before the add/drop deadline. Students will be tested individually twice a year - once before the major T1 concert and once before the major T2 concert.

Note: This course is considered a 'B' ensemble. This course may be repeated four times for credit.

MUAP 207.1 Ensemble

New Title: Chamber Ensemble

New Course Description: This ensemble is open to all students of the University of Saskatchewan. An audition may be required - please contact the ensemble director for more information. If required, auditions take place in the first week of September by appointment. Throughout the academic year, a wide variety of chamber repertoire will be studied, rehearsed, and performed. Students will rehearse together on a regular basis with the intention of performing at two major concerts (one at the end of T1, one at the end of T2). Other concerts may be scheduled throughout the academic year. All concert dates will be announced in early September, before the add/drop deadline. Students will be tested individually twice a year - once before the major T1 concert and once before the major T2 concert.

Note: This course is considered a 'B' ensemble. This course may be repeated four times for credit.

MUAP 208.1 Ensemble

New Title: Jazz Ensemble

New Course Description: This ensemble is open to all students of the University of Saskatchewan by audition. Auditions take place in the first week of September by appointment. Throughout the academic year, a wide variety of jazz ensemble repertoire will be studied, rehearsed, and performed. Students will rehearse together on a regular basis with the intention of performing at two major concerts (one at the end of T1, one at the end of T2). Other concerts and a tour may be scheduled throughout the academic year. All concert and tour dates will be announced in early September, before the add/drop deadline. Students will be tested individually twice a year - once before the major T1 concert and once before the major T2 concert.

Note: This course is considered a 'B' ensemble. This course may be repeated four times for credit.

MUAP 209.1 Ensemble

New Title: Collegium Musicum

New Course Description: This ensemble is open to all students of the University of Saskatchewan. An audition may be required - please contact the ensemble director for more information. If required, auditions take place in the first week of September by appointment. Throughout the academic year, a wide variety of early music repertoire will be studied, rehearsed, and performed. Students will rehearse together on a regular basis with the intention of performing at two major concerts (one at the end of T1, one at the end of T2). Other concerts may be scheduled throughout the academic year. All concert dates will be announced in early September, before the add/drop deadline. Students will be tested individually twice a year - once before the major T1 concert and once before the major T2 concert.

Note: This course is considered a 'B' ensemble. This course may be repeated four times for credit.

MUAP 210.1 Ensemble

New Title: Contemporary Music Ensemble

New Course Description: This ensemble is open to all students of the University of Saskatchewan. An audition may be required - please contact the ensemble director for more information. If required, auditions take place in the first week of September by appointment. Throughout the academic year, a wide variety of contemporary music ensemble repertoire will be studied, rehearsed, and performed. Students will rehearse together on a regular basis with the intention of performing at two major concerts (one at the end of T1, one at the end of T2). Other concerts may be scheduled throughout the academic year. All concert dates will be announced in early September, before the add/drop deadline. Students will be tested individually twice a year - once before the major T1 concert and once before the major T2 concert.

Note: This course is considered a 'B' ensemble. This course may be repeated four times for credit.

Rationale for MUAP 201-211: In order to simplify ensemble registration for students and allow administrative staff to better track students' ensemble requirements, the Department of Music would like to change the way its current Ensemble courses (MUAP 201.1, 202.1, 203.1, 204.1, 205.1, 206.1, 207.1, 208.1, 209.1, 210.1) are named and how they operate.

Currently students must register for these classes consecutively, and the section number of each ensemble denotes which ensemble in which they are registered. This means that for each ensemble (i.e. Wind Orchestra, section 01), 10 ensemble numbers (MUAP 201.1 section 01, MUAP 202.1 section 01, etc.) need to be created. It is a large administrative task to set up all of these sections, and then it is difficult to track which ensembles a student has taken. It is also confusing for students to register. Every fall there are numerous students who visit the Department of Music Office, the Arts & Science Undergraduate Student Office, and Student Central with questions about ensemble registration.

Also, the Department of Music requires students to register in a minimum of four "A" ensembles during a four-year degree B.Mus. program. (There are five "A" ensembles and seven "B" ensembles.) Within the current arrangement there is no simple way to track that students are completing this requirement (section number is not included on the transcript). The only way to do this is to keep separate Department records for each student, based on course lists for each ensemble course/section. The magnitude of this task is beyond the administrative resource capacity of the Department.

The Department of Music proposes that each ensemble number be tied to a specific ensemble (i.e. MUAP 201.1 will now be Wind Orchestra, MUAP 202.1 will now be Concert Band, etc.).

There will be no additional sections set up for these ensembles. To accommodate program requirements, students will be allowed to repeat each of these ensembles four times for credit.

There are ten ensemble classes in existence (MUAP 201.1 - 210.1), and the Department of Music proposes to give them permanent names. However, there are a few ensembles that are offered on an intermittent basis, such that the Department of Music does not feel it would be appropriate to create permanent ensemble number for each, such as Percussion Ensemble, Corelli Strings, etc.

The proposed MUAP 211.1 will serve as a shell course for these ensembles.

Minor Course Revisions**MUAP 120.0 Band****MUAP 121.0 Chorus****MUAP 122.0 Corelli Strings****MUAP 123.0 Chamber Ensemble with Piano****MUAP 124.0 Percussion Ensemble****MUAP 125.0 String Ensemble****MUAP 126.0 Vocal Ensemble****MUAP 127.0 Small Wind Ensembles****MUAP 128.0 Collegium Musicum****MUAP 130.0 Music Theatre****MUAP 131.0 Contemporary Music Ensemble****MUAP 132.0 Jazz Ensemble**

Change to Note:

Old Note: None

New Note: The course may be repeated four times.

Course Deletions**MUAP 220 - Band****MUAP 221 - Chorus****MUAP 222 - Corelli Strings****MUAP 223 - Chamber Ensemble with Piano****MUAP 224 - Percussion Ensemble****MUAP 225 - String Ensemble****MUAP 226 - Vocal Ensemble****MUAP 227 - Small Wind Ensembles****MUAP 228 - Collegium Musicum****MUAP 230 - Music Theatre****MUAP 231 - Contemporary Music Ensemble****MUAP 232 - Jazz Ensemble****MUAP 320 - Band****MUAP 321 - Chorus****MUAP 322 - Corelli Strings****MUAP 323 - Chamber Ensemble with Piano****MUAP 324 - Percussion Ensemble****MUAP 325 - String Ensemble****MUAP 326 - Vocal Ensemble****MUAP 327 - Small Wind Ensembles****MUAP 328 - Collegium Musicum****MUAP 330 - Music Theatre****MUAP 331 - Contemporary Music Ensemble****MUAP 332 - Jazz Ensemble****MUAP 420 - Band****MUAP 421 - Chorus****MUAP 422 - Corelli Strings****MUAP 423 - Chamber Ensemble with Piano**

MUAP 424 - Percussion Ensemble
MUAP 425 - String Ensemble
MUAP 426 - Vocal Ensemble
MUAP 427 - Small Wind Ensembles
MUAP 428 - Collegium Musicum
MUAP 430 - Music Theatre
MUAP 431 - Contemporary Music Ensemble
MUAP 432 - Jazz Ensemble

Rationale for revisions to MUAP 120-132 and deletion of MUAP 220-232, 320-332 and 420-432: The Department of Music proposes to simplify the way that ensembles are offered, from an administrative perspective. By retaining only the 100 level 0 credit unit courses, and allowing student to repeat them, the administrative tasks related to these courses will be reduced by at least 79%. As these courses exist only to recognize student participation in ensembles, it is not necessary to have different levels.

This is not a change in course content, just of the labels attached to those courses.

DIVISION OF SCIENCE

Biochemistry

Correction of Calendar Error

The Calendar lists a Double Honours program in Biochemistry & Biotechnology (http://www.usask.ca/programs/arts_and_science/biochemistry.html). This program option does not actually exist (was never approved); this has been listed in error. The listing will be removed from the 2012-13 Calendar. No students are registered in this program.

Minor Program Revisions

Bachelor of Science (Four-year) in Biochemistry

Changes to Requirement C6:

C6 Major Requirement (54 credit units)

...

Biochemistry Electives (12 credit units)

Choose **3 -6 12** credit units from the following BIOC electives:

- [BIOC 420.3](#)
- [BIOC 430.3](#)
- [BIOC 435.3](#)
- [BIOC 437.3](#)
- [BIOC 489.6](#)
- [BMST 305.3](#)
- [BMST 406.3](#)
- [BMST 408.3](#)

Choose **0 -3 9** credit units from the following BIOC electives:

- [ACB 325.3](#)
- [ACB 404.3](#)

- [BINF 300.3](#)
- [BIOL 316.3](#)
- [BIOL 331.3](#)
- [BIOL 420.3](#)
- [CHEM 456.3](#)
- [MCIM 417.3](#)
- [MCIM 321.3](#)
- [MCIM 390.3](#)
- [PHPY 301.3](#)
- [PHPY 302.3](#)
- [PHPY 303.3](#)

Rationale: Students must choose 3 credit units from the first list, but there will be no disadvantage if they choose all 12 of the elective credits from that list, or if they choose up to 9 credit units from the second list. Courses are relevant to the field and provide majors with a greater course selection.

Bioinformatics

Minor Program Revisions

Bachelor of Science (Four-year and Honours) in Bioinformatics

1. Remove SOC 292 from the program. The current wording within C7 is "PHIL 234.3 and PHIL 238.3 are recommended (may be used to meet C5). SOC 292.3 is also recommended (may be used to meet C3 or C5)." This would change to "PHIL 234.3 and PHIL 238.3 are recommended (may be used to meet C5)."
2. In C7 remove the requirement "6 c.u. of senior classes in natural sciences" from "Cognate Courses", reduce the number of credit units of cognate courses from 9 to 3, and increase the number of credit units of open electives from 9 to 15.
3. Add BIOL421, "Functional Genomics" to List 1 in C6

Rationale:

1. SOC 292 is still listed in the University Course Catalogue, but is no longer being offered.
2. The requirement for senior classes in the natural sciences was proving difficult for students in the program who had taken a broad spectrum of introductory level science classes in their first or second year. Further, there was no academic need for the 6 c.u. in question to be at a senior level. The program is already very rich in science courses, and the requirement for 6 c.u. more in C7 seems unnecessary. In general, this change will provide greater flexibility to students.
3. The content of BIOL 421 would contribute well to a student's program in Bioinformatics.

Minor Course Revisions

BINF 210 Introduction to Bioinformatics Applications

New Course Description: Provides an introduction to Bioinformatics, and experience with select bioinformatics tools and databases currently utilized in the life sciences. Focus is on analysis, storage, and manipulation of genomic and proteomic information. Topics include major databases, common sequence formats, protein and nucleotide sequence alignment, BLAST, genome annotation, microarrays, gene expression, primer design, high-throughput data analysis.

New note: Students with credit for BINF 200 cannot get credit for BINF 210. Students cannot take BINF 200 and BINF 210 concurrently.

Rationale: New wording better reflects actual, existing content of the course. Students may receive credit for both BINF 210 and BINF 200 if taken in that order, but as BINF 200 is the more rigorous of these two courses, students may not then go back and receive credit for the more introductory version.

BINF 300 Algorithms in Bioinformatics

Prerequisite change:

Old prerequisite: CMPT 280.3; BINF 200.3; and one of BIOC 300.3 or BIOL 226.3 or MCIM 216.3

New prerequisite: CMPT 280.3; BINF 200.3; and one of BIOC 300.3 or BIOL 226.3 or MCIM 326.3

Rationale: MCIM 216 no longer exists. In other parts of the program "MICR 216/MCIM 216" has been replaced by "MCIM 326".

Biology

Minor Program Revisions

Bachelor of Science (Honours) in Biology & Biotechnology

Change wording for program requirement to clarify that BIOL 222 may only be counted once in the major requirements, and that students have the option of any two of the three courses that cover physiology content.

C6 Major Requirement (78 Credit Units)

...

~~and choose 6 credit units from one of the following pairs:~~

- ~~[BIOL 317.3](#) and [BIOL 318.3](#)~~
- ~~[BIOL 222.3](#) and [BIOL 331.3](#)~~

and **choose 6 credit units** from the following:

- [BIOL 317.3](#)
- [BIOL 318.3](#)
- [BIOL 331.3](#)

Rationale: This change will align the Calendar information with current practice in how students are advised to fulfill the program requirements.

Biotechnology

Course deletion

Courses in Biotechnology labeled "BTEC" were deleted in the May 3, 2010 University Course Challenge. The Special Topics courses with the BTEC label should also be deleted.

DIVISION OF SOCIAL SCIENCES

Minor Program Revision

Entrepreneurship – Minor

1. Allow equivalent COMM courses to be applied to the Minor in Entrepreneurship. The COMM courses added to the program requirements are already approved for academic credit in the College of Arts & Science.
2. Add a note to the Minor in Entrepreneurship to indicate that students in Business Economics may not receive credit for this minor.

Requirements

Choose 21 Credit Units from the following:

- BPBE 230.3
- ENT 210.3 **change to:** One of ENT 210.3 or COMM 204.3
- ENT 220.3 **change to:** One of ENT 220.3 or COMM 211.3
- ENT 230.3 **change to:** One of ENT 230.3 or COMM 201.3
- ENT 300.3 **change to:** One of ENT 300.3 or COMM 203.3
- ENT 310.3
- 3 credit units of electives selected from a prescribed list of Commerce and Arts and Science courses.

No change to lists

Rationale: In December 2010, the Edward's School of Business proposed changes to equivalences for the ENT courses and some COMM courses, which was approved through University Course Challenge. Due to these restrictions, students may now take only one of specific ENT courses or COMM courses. To ensure that this does not cause problems for students in Arts & Science who may have taken one of the COMM courses, changes are proposed to allow students to apply either the ENT or COMM courses to the Minor in Entrepreneurship.

This proposed change was discussed with Alison Renny, Associate Dean, and Marvin Painter, Professor of Entrepreneurship at a meeting on September 22, 2011. The changes were enthusiastically supported.

The change to disallow students in Business Economics from receiving credit for this minor are due to the fact that much of this minor is already contained within the requirements of that degree, and the Business Economics degree is seen as a higher level of similar information. (This change was also raised with Associate Dean Renny and Dr. Painter, and was supported.)

Archaeology & Anthropology

New Course

ANTH 240.3 Cultural Landscapes and Environments

1 or 2 This course examines the cultural construction of landscapes, as well as of built and social environments, through a series of topical readings focusing on historical, archaeological, literary, and ethnographic understandings: predominantly of western North American environments, as these places have been known by Aboriginal and non-Aboriginal people.

Prerequisite(s): ANTH 111

Instructor(s): Clint Westman

Rationale: To build departmental offerings in environmental offerings in support of revitalization of anthropology on campus and development of graduate program in environmental anthropology. Course improves department's offerings in the field, reflects the research interests of the instructor and responds to student demands.

ANTH 401.3 Honours Essay

1 or 2 Students will undertake a project involving original research or a review essay under the direction of a faculty member. An oral presentation and written report submitted at the end of the project will be evaluated by a faculty committee. Topics are open within the field of Anthropology, subject to the availability of a faculty advisor. An outline of the project must be submitted to the course coordinator in the term preceding registration and be approved before Departmental permission will be granted.

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

Instructor(s): P. Downe; S. Rahimi; J. Waldram; C. Westman

Rationale: The department wishes to improve the educational experience for its honours students by providing them with the option to complete a capstone, independent project that results in a report or manuscript that has publication potential. It will be of benefit both to those students applying to graduate programs and to those who wish to demonstrate independent, critical thinking, learning and writing skills as they enter the work force. The course will also allow the department to reduce the number of in-class courses taught at the 400 level each year, and position teaching resources more strategically in years one through three. This course represents a continuation of recent efforts to revise the Anthropology undergraduate curriculum. Course improves department's offerings in the field, reflects the research interests of the instructor and responds to student demands.

ANTH 403.3 Anthropology of Healing

1 or 2 The intent of this course is to expose the student to critical anthropological perspectives on contemporary issues in traditional or alternative approaches to health, healing and well-being. Emphasis will be placed on understanding the meaning of healing in cultural context, and on the cultural bases of psychosocial and medical therapeutic interventions.

Prerequisite(s): 3 credit units of 300 level ANTH, or permission of the instructor.

Instructor(s): James B.Waldram

Rationale: This course has been offered twice as ANTH 498: Special Topics: Anthropology of Healing. It has been approved by the ARCH & ANTH curriculum committee to become a regular offering. The course is compatible with the Anthropology program's emphasis on Medical Anthropology at the undergraduate and graduate levels. It is also compatible with the instructor's research expertise. The course in Term One of 2011-2012 enrolled close to its limit. Course improves department's offerings in the field, reflects the research interests of the instructor and responds to student demands.

Minor Course Revisions

ANTH 309.3 Motherhood and Maternal Care: Anthropological Perspectives

ANTH 310.3 Anthropology of Gender

ANTH 332.3 Anthropology of Contagion and Infectious Disease: Critical Gender and Race Perspectives

Prerequisite Change:

Old prerequisite: ANTH 111.3 or WGST 110.6 (both are recommended).

New prerequisite: ANTH 111, WGST 110, or WGST 112

Rationale: Women's and Gender Studies is offering a new introductory course (WGST 112.3) which replaces WGST 110. This will provide students with adequate background for ANTH 309, 310 and 332.

ANTH 430.3 Field Methods in Ethnology

New Number: **ANTH 302**

New Title: **The Practice of Ethnology**

New Course Description: This course will examine the practice of ethnography by integrating a discussion of ethnographic research methods with training in the critical reading of ethnography and skills development in writing ethnography. Specific techniques will be explored, with an emphasis on qualitative approaches. The relationship of ethnographic theory and methodology will be highlighted.

Change to Note:

Old Note: Each student is expected to undergo the experience of designing and executing a research project during the term as a practical training component of this course. For all ethnology students this is a highly recommended course.

New Note: Each student is expected to undergo the experience of designing and executing a research project during the term as a practical training component of this course. For all ethnology students this is a highly recommended course. Students may receive credit for only one of ANTH 302 and ANTH 430.

Rationale: As part of the continuing renovation of the Anthropology undergraduate program, ANTH 430 will be renumbered from the 400 to the 300 level, to become ANTH 302.3.

Offering this methods course at the 300 level will increase enrollment numbers and position students in their 3rd year who are interested in taking ANTH 401.3: Seniors Honours Essay, a new course being developed in parallel. This latter new course is an independent capstone course for qualified honours students and for which training in ethnography will be beneficial. Students wishing to enroll in ANTH 401 will be required to take ANTH 302.3. Offering this course at the 300 level should also make it more appealing to students in other programs interested in qualitative methods courses.

Economics

Minor Course Revisions

ECON 347.3 Design & Evaluation of Regional Economic Policy

Prerequisite Change:

Old prerequisite: ECON 204(or equivalent courses in statistics); one of ECON 211 or 213; and one of MATH 104 (formerly MATH 101), 110, 121, 123, or 125.

New prerequisite: One of ECON 211 or 213; and one of MATH 104 (formerly MATH 101), 110, 121, 123, or 125

Rationale: Statistics requirement is being removed for consistency and progression of students in the Regional Urban Planning and Public Administration programs, for which this course services a significant enrollment. The relevant statistical techniques are incorporated into the course.

Geography

Minor Program Revisions

Minor in Geographic Information Systems

Present requirements: GEOG 120, 130, 222, 320, 321, 322, 323

- 1) Change name to "Geomatics" from "Geographic Information Systems"
- 2) Revise 100-level requirements
- 3) Remove GEOG 321 and replace with GEOG 423
- 4) Add "or any other GEOG course approved by the Department" to allow for use of appropriate special topics or new courses in this area.

Requirements

- [GEOG 222.3](#)

Choose **6 Credit Units** from the following:

- | | |
|--|--|
| • ASTR 102.3 | • GEOG 130.3 |
| • ASTR 103.3 | • GEOL 108.3 |
| • BIOL 107.6 | • GEOL 109.3 |
| • BIOL 120.3 | • GEOL 121.3 |
| • BIOL 121.3 | • GEOL 122.3 |
| • CHEM 112.3 | • MATH 104.3 |
| • CHEM 115.3 | • MATH 110.3 |
| • CMPT 100.3 | • MATH 112.3 or MATH 116.3 |
| • CMPT 102.3 | • MATH 121.3 |
| • CMPT 105.3 | • MATH 125.3 |
| • CMPT 106.3 | • MATH 128.3 |
| • CMPT 111.3 | • PHYS 115.3 |
| • CMPT 115.3 | • PHYS 117.3 or PHYS 125.3 |
| • GEOG 120.3 | • PHYS 127.3 or PHYS 128.3 |
| • GEOG 125.3 | • STAT 103.3 |
| • Any senior-level natural science course provided that the prerequisite is met. | |

Choose **12 Credit Units** from the following:

- [GEOG 320.3](#)
- [GEOG 322.3](#)
- [GEOG 323.3](#)
- [GEOG 423.3](#)
- any other GEOG course approved by the Department

Rationale: The current Minor in Geographic Information Systems (to be Geomatics) has proven very successful and has exhibited growing demand from students in Biology, Computer Science, Environmental Earth Sciences, and Toxicology. The technical skills developed through the Minor are in high demand in today's job market and will add value to undergraduate programs that access this program. The proposed program revisions provide greater student access to the Minor by incorporating non-GEOG 100-level science courses into the prerequisite structure and also address the deletion of GEOG 321 from the geography curriculum. We anticipate increased enrolment in the GEOG courses represented in the Minor: these enrolments will serve to enhance teaching activity within the department of Geography & Planning and contribute positively to

student recruitment and retention in the College of Arts & Science. We are also changing the name to be consistent with course naming conventions and our proposed specialization in Geomatics.

Geomatics skills are finding new applications across the humanities (e.g. historical Geographic Information Science), social sciences (e.g. Cultural Resource Management in Archaeology; community planning), and the natural sciences (e.g. terrain classification and resource development in the earth sciences; critical habitat classification in conservation biology; disease epidemiology in Toxicology). The department of Geography & Planning has the unique capacity within the College of Arts & Science to provide teaching and student research opportunities in Geomatics.

Program Revision – New Specialization

Geography B.Sc. Honours, 4-year

Specialization in Geomatics (18 credit units)

1) GEOG 222

2) STAT 245 (or equivalent) or STAT 244 (or equivalent)

3) 12 CUs from the following: Geography 302, 320, 322, 323, 423 (or equivalent*)

*equivalent courses would be Geography 398, 498 or other senior geography courses not currently in the catalog that focus on Geomatics.

Rationale; The current Minor in Geomatics (Geographic Information Systems) has proven very successful and has exhibited growing demand from students in Biology, Computer Science, Environmental Earth Sciences, and Toxicology. Restrictions on the overlap of Science Majors and Minors mean that the Minor in Geomatics is not available to students in the B.Sc. programs in Geography. Our desire to create the Specialization in Geomatics derives from our interest in creating a program that will be available to these students. The technical skills developed through the proposed Specialization are in high demand in today's job market and will add value to undergraduate programs that access this program. We anticipate increased enrolment in the GEOG courses represented in the Specialization.

Minor Course Revisions

GEOG 302.3 Quantitative Methods in Geography

Prerequisite Change:

Old prerequisite: STAT 244 or equivalent.

New prerequisite: STAT 244 or STAT 245

Rationale: The current prerequisites listed in the Course Calendar apply only to students pursuing a B.A. degree in GEOG or a B.A.&Sc. degree in Environment & Society; they exclude students pursuing a B.Sc. degree in GEOG who are required to take one of STAT 245 or STAT 246 or PLSC 314. This misinformation has resulted in B.Sc. students being directed into an inappropriate statistics course for their degree programs and then being challenged by College staff when their files are assessed for graduation. We are moving to correct this serious oversight in student advising.

GEOG 328.3 Groundwater Hydrology

Prerequisite Change:

Old prerequisite: GEOG 225

New prerequisite: GEOG 225; or 12 credit units of GEOL

Rationale: Senior Geology students commonly take this course in the 3rd or 4th year as a Senior Geoscience elective. 12 credit units of GEOL courses provides adequate preparation for this course.

GEOG 427.3 Advanced Hydrology

Prerequisite Change:

Old prerequisite: GEOG 301 or equivalent statistics course.

New prerequisite: One of MATH 110 or 112 or 125 or 123; one of PHYS 115 or GE 124; GEOG 225

Rationale: The current prerequisites are not well suited to the present course content. The revisions to the prerequisite structure have been developed in consultation with the faculty teaching hydrology and the course instructor. Students will be better prepared to challenge the course by completing the proposed course prerequisites.

GEOG 490.3 Special Topics in Physical Geography

New Title: **Selected Topics in Physical Geography**

Prerequisite Change:

Old prerequisite: 6 credit units in physical geography at the 300 level or above.

New prerequisite: One of GEOG 325, 328, 335, 351, 427 or 435; and GEOG 390. Prerequisite(s) or Corequisite(s): GEOG 302.

Rationale: The department wants to ensure that students have adequate preparation in research methods and techniques to pursue an Honours thesis project.

GEOG 491.3 Research Topics in Human Geography

Prerequisite Change:

Old prerequisite: GEOG 391 Prerequisite(s) or Corequisite(s): GEOG 302.

New prerequisite: One of GEOG 329, 340, 341, 241, 343, 346, 350, 364, 379, 381, 385, 386, 441, 445, 446, 464 or 486; and GEOG 391 or RUP 390. Prerequisite(s) or Corequisite(s): GEOG 302

Rationale: The department wants to insure that students are adequately prepared in research methods and techniques prior to pursuing a Honours thesis project.

We wish to have a common prerequisite structure for GEOG 490, a requirement of the B.Sc. Honours GEOG program, and GEOG 491, a requirement of the B.A. Honours GEOG program. Students pursuing the B.A. GEOG program combine courses in human geography and planning to complete their degrees: for this reason we have included both GEOG 391 and RUP 390 as suitable prerequisites for this course.

GEOG 495.3 History of Geographic Thought

New Title: **Early History of Geographic Thought**

New Course Number: **392**

New Course Description: A lecture/seminar on the origins of geographic thought, from early Antiquity to the onset of the Renaissance. Relationship between myths of the environment and chalcolithic manufacture of first tools is reviewed, leading to discussion on notions of the Earth and the universe, from Mesopotamia to classical Greece. Origins of geography and planning in the classical world are examined in regard to land ownership and land use in Ancient cities, against the belief in Four Elements of the universe. Grid pattern of land division as a tool of

environmental observation leading to Ptolemy's "Geographica" are juxtaposed with subsequent medieval withdrawal in rigorous thought as well as with scientific approaches to the environment emerging during the same period. Impact of the Age of Discovery along with New World explorations upon Thomas More's "Utopia," and the founding of Renaissance New Towns, as leading to Rene Descartes' "Discourse on the Method" are outlined.

Rationale: The course addresses the history of geographic thought in antiquity and the Middle Ages, and in the past it was the first component of a two-class capstone for the 4-year Majors and Honours programs in Geography, the second part of which was the course titled "Development of Geographic Thought." Delivery of the latter course has been discontinued for several years. The present GEOG 495 cannot by itself be considered a capstone class, and the course number should be lowered, accordingly, to a 300 level.

International Studies

Program Revisions

International Studies B.A. Honours, 4-year

International Cooperation & Conflict Stream, Requirement B6:

Replace POLS 260.6 with POLS 261.3 and 262.3 (course was split)

Remove POLS 240.6, 360.6, 363.3, 442.3, and 464.3 from list of optional courses

Latin American Studies Stream, Requirement B6:

Remove SPAN 420.3 from list of optional courses

Add POLS 448.3 (Development Implementation at the Base Monitoring and Evaluation) and SPAN 309.3 (From Che to Pinochet: Tyrants and Revolutionaries) to list of optional courses

Remove POLS 348.6 from Guatemala Term Abroad

Development Studies Stream, Requirement B6:

Remove GEOG 448.3 from list of optional courses

Add POLS 448.3 (Development Implementation at the Base Monitoring and Evaluation) and SPAN 309.3 (From Che to Pinochet: Tyrants and Revolutionaries) to list of optional courses

Rationale: Deleted courses are no longer available. Added courses have been recently approved and are relevant to the field of study.

Slavic and Eastern European Studies stream:

Delete the stream

The Slavic and Eastern European Studies (SEES) stream is not viable due to the deletion of most of the Russian courses, infrequent or non-existent offerings of other courses in the major, and the expiration of the exchange agreements with institutions in Russian and the Ukraine, which have removed the opportunity for a term abroad which is required.

There are currently no students in the program, and very few students have graduated from the stream in the past 5 years, due to the unavailability of required courses. As there is no reasonable expectation that these courses will become available again in the near future, the stream must be deleted. Students interested in this area of study will be encouraged to choose the new Minor in Ukrainian Studies.

Native Studies

Minor Program Revisions

Native Studies B.A. 4-year

Change options in major requirement (B6) to require that students take NS credits at the 300 and 400 level.

B6 Major Requirements (33 credit units)

- [NS 261.3](#)
- [NS 262.3](#)
- [NS 264.3](#)
- [NS 350.6](#)
-

Choose **18 Credit Units** from the following:

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

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

- [200-Level NS Courses](#)

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

- [300-Level NS Courses](#)

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

- [400-Level NS Courses](#)

It is recommended that Native Studies majors take a further 18 credit units in Native Studies and concentrate the required balance of credit units by taking a minor in another Arts & Science program.

Rationale: The way in which the requirements were written previously students could have completed a 4-year degree in Native Studies without taking any 3rd or 4th year courses. The new requirement specifies that students must take at least 6 credits units each at the 200, 300, and 400 levels.

Native Studies B.A. Honours

Increase required credit units in the major (Requirement B6) from 39 to 45 credit units.

B6 Major Requirements (~~39 credit units~~) Change to 45 credit units

- [NS 261.3](#)
- [NS 262.3](#)
- [NS 264.3](#)
- [NS 350.6](#)

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

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

Choose 12 credit units from the 300-level

- [300-Level NS Courses](#)

Choose 12 credit units from the 400-level

- [400-Level NS Courses](#)

It is recommended that Native Studies Honours students take a further 12 credit units in Native Studies and concentrate the required balance of credit units by taking a minor or a double honours in another Arts & Science program.

Rationale: The department has chosen to increase the number of required courses for the Honours program to better align with the requirements for other Honours programs in the Social Sciences.

Political Studies

Minor Course Revisions

POLS 204.3 Governance of Canada

POLS 205.3 Politics in Canada

POLS 222.3 Aboriginal Governance and Politics

POLS 225.3 Canadian Public Administration

POLS 226.3 Canadian Public Policy

POLS 236.3 Classic, Medieval and Renaissance Political Thought

POLS 237.3 Modern Political Thought

POLS 246.6 Politics of the Third World

POLS 247.6 Comparative Politics of Latin America

POLS 248.3 Foundations of American Government

POLS 250.3 The Political Sociology of the State and Society

POLS 251.3 The Political Sociology of Political Change

POLS 256.3 Methods of Political Research

POLS 261.3 Introduction to International Politics

Prerequisite Change:

Old Prerequisite: 6 credit units 100-level POLS

New Prerequisite: POLS 111 and (POLS 112 or IS 100); or 60 credit units at university level

Rationale: Content of IS 100.3 is much like POLS 112.3 and adding this course gives students more flexibility in choosing courses to fit our programs.

POLS 249.3 Institutions and Processes of American Government

Prerequisite Change:

Old Prerequisite: POLS 111, 112, and 248.

New Prerequisite: POLS 111 and (POLS 112 or IS 100); or 60 credit units at university level

Rationale: Content of IS 100.3 is much like POLS 112.3 and adding this course gives students more flexibility in choosing courses to fit our programs. Students do not need to have taken POLS 248 to be successful in POLS 249.

POLS 262.3 Introduction to Global Governance

Prerequisite Change:

Old Prerequisite: POLS 111 and 112; or 30 credit units of university courses.

New Prerequisite: POLS 111 and (POLS 112 or IS 100); or 60 credit units at university level

Rationale: Content of IS 100.3 is much like POLS 112.3 and adding this course gives students more flexibility in choosing courses to fit our programs. Change from 30 to 60 credit units to be consistent with other 200-level POLS courses.

POLS 364.3 International Terrorism

Prerequisite Change:

Old Prerequisite: 6 credit units 100-level POLS.

New Prerequisite: POLS 112.3 or permission of the instructor

Rationale: POLS 112 is adequate preparation for this course.

POLS 368.3 Ideology and American Foreign Policy

Prerequisite Change:

Old Prerequisite: POLS 260.

New Prerequisite: POLS 261 or permission of the instructor

Rationale: POLS 260.6 was split into POLS 261 and 262. POLS 261.3 is adequate preparation for this course.

POLS 383.3 Career Internship

Prerequisite Change:

Old Prerequisite: 60 credit units at university level.

New Prerequisite: 60 credit units at the university level and permission of the department

Rationale: Students are selected for this internship opportunity, based on application.

POLS 384.3 Aboriginal Administrative Internship

Prerequisite Change:

Old Prerequisite: 60 credit units at university level.

New Prerequisite: 60 credit units at the university level and permission of the department

Rationale: Students are selected for this internship opportunity, based on application.

POLS 460.3 International Ethical Thought

Prerequisite Change:

Old Prerequisite: POLS 260.6

New Prerequisite: POLS 261.3 or permission of the instructor

Rationale: POLS 260.6 was split into POLS 261 and 262. POLS 261.3 is adequate preparation for this course.