



## Academic Programs Committee of Council

### University Course Challenge

**Scheduled posting: May 17, 2011**

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*Humanities & Fine Arts:* correction in History; new courses in Languages & Linguistics; course revisions and deletions in Music; new course in Religion & Culture.

*Sciences:* Program revision in BSc programs; course revisions in Chemistry, Computer Science, Mathematics & Statistics, Toxicology.

*Social Sciences:* Washington Centre Term Abroad (new courses – internship, portfolio, Archaeology & Anthropology, Economics, Geography & Planning, Political Studies, Psychology, Sociology) ; double-honours in BSc Psychology; course and program revisions in Aboriginal Public Administration, Archaeology & Anthropology, Native Studies, Political Studies, Psychology, Public Administration, Sociology.

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New courses in School of Environment & Sustainability, Biomedical Engineering, Veterinary Microbiology.

#### **Kinesiology**

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Prerequisite change

#### **Approval:**

Date of circulation: May 17, 2011

Date of effective approval if no Challenge received: May 31, 2011

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#### **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 June, 2011.

College Submission Deadline	UCC Posting Date	Date of effective approval if no challenge received:
June 10 (After students have started registration, changes to courses for 2011-12 will not be implemented unless approved by the Registrar)	June 16	June 30

Urgent items can still be posted on request.

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## ARTS & SCIENCE

The curricular revisions listed below were approved through the March - April 2011 Arts & Science College Course and Program Challenges and are now submitted to the University Course Challenge for approval or information.

### DIVISION OF HUMANITIES & FINE ARTS

#### History

##### **Correction: HIST 214.3 History in Film**

The correct prerequisite for this course is “6 credit units 100-Level HIST” (not 3 credit units as submitted to the March 2011 University Course Challenge). The requirement for 6 credit units of introductory History courses is consistent with other 200-level HIST courses.

#### Languages & Linguistics

##### **New Course(s)**

##### **FREN 216.3 Literature and Spirituality The French Catholic Novel in English**

A study of selected works of three major Catholic novelists of 20th century France, such as Georges Bernanos, Francois Mauriac, and Julien Green. The course is intended for students in various fields of study (literature, philosophy, religious studies etc.) with an interest in religious and spiritual themes and their literary expression. **The texts and lectures will be in English.**

**The assignments and exams will be written in English.**

Prerequisite(s): 24 credit units including 6 credit units in French or English

Instructor(s): Dr. Michael R. Tobin

Rationale: FREN 216.3 will replace FREN 423.3 ("The Catholic Novel in Twentieth Century France"). FREN 423.3, which I have offered for many years, is taught in French, using French texts. The proposed FREN 216.3 will be taught in English using English translations of the novels to be studied. The reasons for this change are twofold:

1. With the diminishing number of upper-year French literature students, the enrolment in FREN 423.3 is sparse (two students for its last offering). This version in English translation is meant to appeal to a much wider clientele: students in Religious Studies, Philosophy, or English, etc., who are interested in the interplay among spirituality, religious philosophy and literature. Students have already expressed interest in this course.
2. St. Thomas More College has recently received approval to offer a minor in Catholic Studies. The proposed FREN 216.3, no longer restricted to those capable of reading and writing in French, will be incorporated into this new interdisciplinary minor.

It should be added that the course does indeed reflect my research interests. My work on the Catholic Novel, particularly, the works of Georges Bernanos, has been published in a number of scholarly journals. I am also a contributor to the **Encyclopedia of Catholic Literature**. My book, **Georges Bernanos: The Theological Source of His Art**, was published in 2007 by McGill-Queen's University Press.

### **FREN 251.3 French Civilization from the Middle Ages through the 19th Century**

This course is designed to study French civilization from the Middle Ages to the 19th Century. The historical, political, social and artistic evolution of France will be brought to light through the study of different texts such as historical testimonies, novels, or comics.

The first part will be devoted to the Medieval and Early Modern period in France, particularly the reigns of Kings Clovis, Charlemagne, François I and Louis XIV, the Sun King. We will then study the changes associated with the French Revolution and Napoléon's coup d'état. Finally, we will focus on Modernity, particularly the era of prosperity and the institutions developed during the 3<sup>rd</sup> Republic.

Important elements of French culture will also be examined such as the construction of certain monuments (Versailles, the castles of the Loire Valley), fashion or cuisine.

This course is taught in French.

Prerequisite(s): FREN 125 or FREN 128 or permission of the department

Instructor(s): Stella Spriet

Rationale: Course improves department's offerings in the field, reflects the research interests of the instructor and responds to student demands. For many years, this course was offered by the Department of Languages and Linguistics, but was cancelled after the professor who taught it retired. It now needs to be reinstated. The Department still offers the second part of the course : Civilization 2 (French in the 20<sup>th</sup> century).

### **FREN 338.3 Selected Topics in French Literature**

This course is designed to examine literary works written in the French language from different perspectives, and will include interdisciplinary approaches to literary creations from different centuries. Through this comparative analysis, the aesthetic, poetic, pragmatic and rhetorical concerns particular to each century will be brought to the fore. The analysis will centre around either a theme (such as: "Images and fascination") or a genre (such as theatre or the novel).

This course is taught in French.

Prerequisite(s): FREN 220 or FREN 230 or permission of the department

Instructor(s): Stella Spriet

Rationale: Course improves department's offerings in the field, reflects the research interests of the instructor and responds to student demands. This course could serve as a link between all the courses offered by the Department of Languages and Linguistics, since it encourages comparisons between centuries, aesthetics and arts. This stands in opposition to the century and subject compartmentalization that currently dominate literary studies and will facilitate the examination of broader issues.

### **SPAN 309.3 From 'Che' to 'Pinochet': Tyrants and Revolutionaries**

This course studies the figure of the Latin American tyrant, based on an actual person or as a composite of several dictators. It also studies how political oppression inflicts suffering of different kinds on people, and how people resist and fight against the system. The narrative masterpieces analyzed in this course will be available in Spanish as well as in English. The class will be taught in English.

Prerequisite(s): LIT 100, or 6 credit units ENG

Instructor(s): Dr. Julio Torres-Recinos, Dr. Loise Marie Jaeck, Dr. Paul McDermid

Rationale: Prior to 2009, all Spanish literature courses at the University of Saskatchewan consisted of lectures and discussion in Spanish. Due to budgetary restrictions and changing student demand, it is no longer feasible to offer Spanish literature solely in Spanish, as they

cannot attract a large enough number of students to make them financially viable. Because the course will be taught in English, students from any program will have the opportunity to acquaint themselves with the rich and diverse mosaic originally written in Spanish. This is also an effort to offer new literature courses that are thematically oriented and are not limited to any particular genre.

### **SPAN 310.3 Love and Revolution in the Latin American Novel**

This course studies the theme of love in the context of political revolution in several exemplary Latin American novels. All novels will be read in English translation, and all lectures will be in English.

Prerequisite(s): LIT 100, or 6 credit units ENG

Instructor(s): Dr. Lois Marie Jaeck, Dr. Julio Torres, Dr. Paul McDermid

Rationale: Prior to 2009, all Spanish literature courses at the University of Saskatchewan consisted of lectures and discussions in Spanish. All students were required to write their essays and exams in Spanish. Due to budgetary restrictions and a changing student demand, it is no longer feasible to offer Spanish literature classes solely in Spanish, as they cannot attract a large enough number of students to make them financially viable. Because the course will be taught in English, students from any program at the university will have the opportunity to acquaint themselves with the rich and diverse mosaic of literature originally written in Spanish.

## **Music**

### **Minor Course Revisions**

#### **EMUS 331.3 Methods in Elementary Music Introduction**

New Course Number: **EMUS 431**

New Course Title: **Teaching Music in the Elementary School**

Change to Note:

Old Note: None

New Note: Students with credit for EMUS 331 may not take this course for credit.

Rationale: Within the combined B.Mus/Mus. Ed. program this course was taken in a student's third year. In the new sequential program (B.Mus. then B.Ed), students will be advised to take this course in the final year of their B.Mus. program.

#### **EMUS 340.3 Methods in Secondary Instrumental Music**

New Course Number: **EMUS 448**

Change to Note:

Old Note: None

New Note: Students with credit for EMUS 340 may not take this course for credit.

Rationale: Within the combined B.Mus/Mus. Ed. program this course was taken in a student's third year. In the new sequential program (B.Mus. then B.Ed), students will be advised to take this course in the final year of their B.Mus. program.

#### **EMUS 342.3 Philosophical Basis of Music Education**

New Course Number: **EMUS 441**

Change to Note:

Old Note: None

New Note: Students with credit for EMUS 342 may not take this course for credit.

Rationale: Within the combined B.Mus/Mus. Ed. program this course was taken in a student's third year. In the new sequential program (B.Mus. then B.Ed), students will be advised to take this course in the final year of their B.Mus. program.

### **EMUS 411.3 String Techniques I**

New Course Number: **EMUS 311**

Change to Note:

Old Note: None

New Note: Students with credit for EMUS 411 may not take this course for credit.

Rationale: In the forthcoming sequential program (B.Mus. then B.Ed), students will be advised to take this course in the third year of their B.Mus. program.

### **EMUS 413.3 String Techniques II**

New Course Number: **EMUS 313**

Change to Note:

Old Note: None

New Note: Students with credit for EMUS 413 may not take this course for credit.

Rationale: In the forthcoming sequential program (B.Mus. then B.Ed), students will be advised to take this course in the third year of their B.Mus. program.

### **EMUS 430.6 Woodwind Techniques**

New Course Number: **EMUS 330**

Change to Note:

Old Note: None

New Note: Students with credit for EMUS 430 may not take this course for credit.

Rationale: In the forthcoming sequential program (B.Mus. then B.Ed), students will be advised to take this course in the third year of their B.Mus. program.

### **EMUS 433.3 Brass Techniques**

New Course Number: **EMUS 333**

Change to Note:

Old Note: None

New Note: Students with credit for EMUS 433 may not take this course for credit.

Rationale: In the forthcoming sequential program (B.Mus. then B.Ed), students will be advised to take this course in the third year of their B.Mus. program.

### **EMUS 436.3 Percussion Techniques**

New Course Number: **EMUS 339**

Change to Note:

Old Note: None

New Note: Students with credit for EMUS 436 may not take this course for credit.

Rationale: In the forthcoming sequential program (B.Mus. then B.Ed), students will be advised to take this course in the third year of their B.Mus. program.

### **MUS 350.3 Wind Instrument Literature**

New Course Number: **MUS 463**

New Course Title: **Seminar in Wind Literature and Materials**

Change to Note:

Old Note: None

New Note: Students with credit for EMUS 350 may not take this course for credit.

Rationale: New title better reflects what is covered in the course. Within the combined B.Mus/Mus. Ed. program this course was taken in a student's third year. In the new sequential program (B.Mus. then B.Ed), students will be advised to take this course in the final year of their B.Mus. program.

### **MUS 453.3 Seminar in Choral Literature and Materials**

Prerequisite Change:

Old Prerequisite: MUS 134 (formerly MUS 114) and MUS 151 (formerly MUS 141/240).

New Prerequisite: MUS 234 and 250

### **Course Deletion(s)**

**EMUS 328 Pre School and Primary Music Methods**

**EMUS 332 Methods in Elementary Music Conducting**

**EMUS 435 - Advanced Instrument Conducting**

**EMUS 439 - Methods in Secondary Music in Context of Arts Education**

Rationale: These courses are not required for any program and have not been offered for several years.

### **Religion & Culture**

#### **New Course(s)**

#### **RLST 241.3 Islam in the Modern World**

The **objective of the course** is to acquaint student with issues that Muslim peoples face under the impact of colonization, technicalization and modernization, taking into consideration the global context of such a readjustment.

This course will study Muslim societies in modern times to review their success and failure in restructuring their political, social and religious cultures in order to become integrated in the international order that is founded upon secularism and modernism. The course will evaluate the political goals of Muslim governments and whether these goals are harmonious with the developments of democratic institutions to further basic human rights. The course will attempt to answer the basic questions: What is happening to the Muslim community in the Modern age and how do Muslim intellectuals respond to the challenges posed by modernization and Westernization?

Prerequisite(s): RLST 110 or 24 credit units at the university level

Instructor(s): Jusuf Salih

Rationale: Course improves department's offerings in the field, reflects the research interests of the instructor and responds to student demands. Lack of academic engagement with Islam has been a major lacunae in the Departmental offerings. We did not have the resources to offer courses in the area of Islamic Studies. This situation has been addressed by the College and the Department by making a recent two year term appointee to teach courses in this area. This course supplements our current offerings in the area of Western Religions and will strengthen curricular offerings in Area A in the two Departmental Programs: Religious Traditions and Religion and Culture.

## DIVISION OF SCIENCE

### Minor Program Revisions

#### B.Sc. Honours, Double Honours, Four-year, Three-year

Add PHIL 110.6 to the list of courses eligible for the C2 Humanities Writing Requirement.

#### C2 Humanities Writing Requirement (6 credit units)

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

- [ENG 110.6](#)
- [ENG 111.3](#)
- [ENG 112.3](#)
- [ENG 113.3](#)
- [ENG 114.3](#)
- [HIST 110.3](#)
- [HIST 111.3](#)
- [HIST 114.6](#)
- [HIST 120.6](#)
- [HIST 121.3](#)
- [HIST 122.3](#)
- [HIST 140.6](#)
- [HIST 150.6](#)
- [HIST 151.3](#)
- [HIST 152.3](#)
- [HIST 170.6](#)
- [INTS 101.12](#)
- [LIT 100.6](#)
- **PHIL 110.6**
- [PHIL 120.3](#)
- [PHIL 133.3](#)

Rationale: 1) The course content of PHIL 110 is identical to that of Phil 120 and Phil 133 -- the two half classes were originally introduced to allow students to take either term of the full year course; so in **every respect** Phil 110 is equivalent to the pair PHIL 120 and PHIL 133 together. 2) When Phil 120 and 133 were submitted for inclusion in C2 Humanities Writing Requirement, the department was experimenting with a "supersized" version of PHIL 110 with an enrollment of 150 and considered the possibility that in the larger format writing papers would not be required. Soon after, the department discontinued this experiment. in part because it was not enrollment-efficient and also because the instructor continued to assign papers as in the earlier smaller versions of the course. So there is no difference between PHIL 110 and the two half courses which make up its respective terms which could justify the exclusion of PHIL 110 from General Requirement C2.

## Chemistry

### Minor Course Revisions

#### **CHEM 112.3 General Chemistry I Structure Bonding and Properties of Materials**

Prerequisite Change:

Old Prerequisite: Chemistry 30 and (Mathematics B30 or Algebra 30).

New Prerequisite: Chemistry 30 and (Mathematics B30 or Foundations of Mathematics 30 or Pre-Calculus 30)

Rationale: This change is to account for the changes to the high school mathematics courses across Western Canada, which started to be phased in in 2010-11.

#### **CHEM 114.3 General Chemistry for Engineers**

Prerequisite Change:

Old Prerequisite: Chemistry 30, (Mathematics B30 or Algebra 30) and (Mathematics C30 or Geometry-Trigonometry 30).

New Prerequisite: Chemistry 30; and (Mathematics B30 and Mathematics C30) or Foundations of Mathematics 30 or Pre-Calculus 30)

Rationale: This change is to account for the changes to the high school mathematics courses across Western Canada, which started to be phased in in 2010-11.

## **Computer Science**

### **Minor Course Revisions**

#### **CMPT 100.3 Introduction to Computing**

Prerequisite Change:

Old Prerequisite: Mathematics A30 or B30 or C30.

New Prerequisite: Mathematics A30 or B30 or C30; or Foundations of Mathematics 30; or Pre-Calculus 30

Rationale: This change is to account for the changes to the high school mathematics courses across Western Canada, which started to be phased in in 2010-11.

#### **CMPT 102.3 Introduction to Computing and Programming**

Prerequisite Change:

Old Prerequisite: Mathematics B30.

New Prerequisite: Mathematics B30 or Foundations of Mathematics 30 or Pre-Calculus 30

Rationale: This change is to account for the changes to the high school mathematics courses across Western Canada, which started to be phased in in 2010-11.

#### **CMPT 111.3 Introduction to Computer Science and Programming**

Prerequisite Change:

Old Prerequisite: Mathematics B30.

New Prerequisite: Mathematics B30 or Foundations of Mathematics 30 or Pre-Calculus 30

Rationale: This change is to account for the changes to the high school mathematics courses across Western Canada, which started to be phased in in 2010-11.

#### **CMPT 113.3 Computing Using Excel and VBA**

Prerequisite Change:

Old Prerequisite: Mathematics B30.

New Prerequisite: Mathematics B30 or Foundations of Mathematics 30 or Pre-Calculus 30

Rationale: This change is to account for the changes to the high school mathematics courses across Western Canada, which started to be phased in in 2010-11.

#### **CMPT 116.3 Computing I**

Prerequisite Change:

Old Prerequisite: Mathematics B30.

New Prerequisite: Mathematics B30 or Foundations of Mathematics 30 or Pre-Calculus 30

Rationale: This change is to account for the changes to the high school mathematics courses across Western Canada, which started to be phased in in 2010-11.



### **CMPT 485.3 Advanced Computer Graphics**

Prerequisite Change:

Old Prerequisite: CMPT 385 and (CMPT 332 or CMPT 340)

New Prerequisite: 6cu of 300-level CMPT, and one of (MATH 264 or MATH 266 or EE 216 or CE 318)

New Title: Computer Graphics and Animation

Rationale: The current prerequisite for CMPT 485 is CMPT 385 and (CMPT 332 or CMPT 340).

CMPT 385 will soon be removed from our program, and we are making these minor prerequisite changes in advance.

The new CMPT 485 prerequisite requirement of one of MATH 264, MATH 266, EE 216 or CE 318 reflects that these courses were prerequisites for CMPT 385, and contain material relevant to the study of graphics and animation.

The new requirement for 6cu of 300-level CMPT is less specific than the previous requirement of one of CMPT 332 or CMPT 340. However, neither CMPT 332 or CMPT 340 has content specifically required by CMPT 485. The new requirement of 6cu of 300-level CMPT guarantees that the students have reached the necessary level of maturity and experience in Computer Science, while allowing slightly flexibility for the students. As CMPT 332 and CMPT 340 are core courses in our programs, many students will have taken either at least one of them by their 3rd year.

CMPT 270 was also a prerequisite for CMPT 385. Almost all 300-level CMPT courses have CMPT 270 as either a direct or indirect prerequisite.

### **CMPT 487.3 Vision and Image Processing**

Prerequisite Change:

Old Prerequisite: CMPT 385

New Prerequisite: (MATH 264 or 266 or EE 216 or CE 318) and (CMPT 317 or CMPT 332 or CMPT 340 or CMPT 370)

Rationale: The current prerequisite for CMPT 487 is CMPT 385. CMPT 385 will soon be removed from our program, and we are making these minor prerequisite changes in advance.

The new CMPT 487 prerequisite requirement of one of MATH 264, MATH 266, EE 216 or CE 318 reflects that these courses are prerequisites for CMPT 385, and the requirement of one of CMPT 317, CMPT 332, CMPT 340, or CMPT 370 reflects the need for a level of maturity in a related area of computer science currently provided by CMPT 385.

CMPT 270 is also a prerequisite for the former CMPT 385. The new prerequisite for CMPT 487 includes CMPT 270 implicitly via the requirement of one of the listed 300-level CMPT classes, all of which have CMPT 270 as either a direct or indirect prerequisite.

## **Mathematics & Statistics**

### **Minor Course Revisions**

#### **MATH 100.3 Mathematics for Education Students**

Prerequisite Change:

Old Prerequisite: Mathematics A30 or B30 or C30 or Algebra 30.

New Prerequisite: Mathematics A30 or B30 or C30; or Foundations of Mathematics 30; or Pre-Calculus 30

Rationale: This change is to account for the changes to the high school mathematics courses across Western Canada, which started to be phased in in 2010-11.

### **MATH 102.3 Precalculus Mathematics**

Prerequisite Change:

Old Prerequisite: High School mathematics MATH A30 and B30.

New Prerequisite: Mathematics A30 and B30; or Foundations of Mathematics 30; or Pre-Calculus 30

Rationale: This change is to account for the changes to the high school mathematics courses across Western Canada, which started to be phased in in 2010-11.

### **MATH 104.3 Elementary Calculus**

Prerequisite Change:

Old Prerequisite: Mathematics B30 or Algebra 30.

New Prerequisite: Mathematics B30 or Foundations of Mathematics 30 or Pre-Calculus 30

Rationale: This change is to account for the changes to the high school mathematics courses across Western Canada, which started to be phased in in 2010-11.

### **MATH 110.3 Calculus I**

Prerequisite Change:

Old Prerequisite: Mathematics B30 and Mathematics C30, or Algebra 30 and Geometry-Trigonometry 30.

New Prerequisite: Mathematics B30 and Mathematics C30; or Pre-Calculus 30

Rationale: This change is to account for the changes to the high school mathematics courses across Western Canada, which started to be phased in in 2010-11.

### **MATH 121.3 Mathematical Analysis for Business and Economics**

Prerequisite Change:

Old Prerequisite: Mathematics B30 and C30.

New Prerequisite: Mathematics B30 and Mathematics C30; or Pre-Calculus 30

Rationale: This change is to account for the changes to the high school mathematics courses across Western Canada, which started to be phased in in 2010-11.

### **MATH 123.3 Calculus I for Engineers**

Prerequisite Change:

Old Prerequisite: Mathematics B30 and C30.

New Prerequisite: Mathematics B30 and Mathematics C30; or Pre-Calculus 30

Rationale: This change is to account for the changes to the high school mathematics courses across Western Canada, which started to be phased in in 2010-11.

### **MATH 125.3 Mathematics for the Life Sciences**

Prerequisite Change:

Old Prerequisite: Mathematics A30, B30 and C30.

New Prerequisite: Mathematics A30, B30 and Mathematics C30; or Pre-Calculus 30

Rationale: This change is to account for the changes to the high school mathematics courses across Western Canada, which started to be phased in in 2010-11.

**STAT 103.3 Elementary Probability**

Prerequisite Change:

Old Prerequisite: Mathematics B30 (or Algebra 30).

New Prerequisite: Mathematics B30 or Foundations of Mathematics 30 or Pre-Calculus 30

Rationale: This change is to account for the changes to the high school mathematics courses across Western Canada, which started to be phased in in 2010-11.

**STAT 244.3 Elementary Statistical Concepts**

Prerequisite Change:

Old Prerequisite: A course in a social science or Mathematics A30.

New Prerequisite: A course in a social science or Mathematics A30 or Foundations of Mathematics 30 or Pre-Calculus 30.

Rationale: This change is to account for the changes to the high school mathematics courses across Western Canada, which started to be phased in in 2010-11.

**Course Split – Item for information only****MATH 350.6 Differential Geometry into MATH 352.3 and 452.3****MATH 352.3 Introduction to Differential Geometry**

Tensor calculus; curves and surfaces in 3-dimensional Euclidean space; mean and Gaussian curvature; geodesics; Euclidean motions; Gauss' *Theorema Egregium*.

Prerequisite(s): Algebra prerequisite: MATH 264.3 or MATH 266.3; Calculus and Differential Equations prerequisite: (MATH 238.3 and MATH 276.3 and MATH 277.3) or (MATH 223.3 and MATH 224.3) or (MATH 225.3 and MATH 226.3 - with grades of at least 80% and permission of the Head of Mathematics and Statistics)

Instructor(s): W Abou Salem, J A Brooke, A Cheviakov, G W Patrick, A P Sowa, J Szmigielski

**MATH 452.3 Introduction to Modern Differential Geometry**

Submanifolds of  $R^n$ ; Riemannian manifolds; tensors and differential forms; curvature and geodesics; selected applications.

Prerequisite(s): Algebra prerequisite: MATH 366.3; Differential Geometry and Analysis prerequisite: MATH 352.3 or MATH 371.3

Instructor(s): W Abou Salem, J A Brooke, A Cheviakov, G W Patrick, A P Sowa, J Szmigielski

Rationale: A split is being proposed to both facilitate more regular offerings of this course and to widen its audience for whom a 3cu partial treatment might be more attractive than the 6cu course.

**Toxicology****Minor Course Revisions****TOX 480.3 Toxicology Research**

Change to Note:

Old Note: Students with credit for TOX 481 may not take this course for credit.

New Note: Students with credit for TOX 481 may not take this course for credit. This course is only open to Honours students in the fourth year of their Toxicology program, unless special permission has been granted by the Toxicology Academic Advisor.

Rationale: This change to the note will reflect what is already practiced in TOX 480.

## **DIVISION OF SOCIAL SCIENCES**

### **New Course(s)**

#### **INTS 320.6 Washington Center Internship**

Internship program offered in cooperation with the Washington Center, Washington, D.C.

Students will work 4 or 4.5 days each week in a substantive position tailored to their interests.

Amnesty International, The Smithsonian Institution, Global AIDS Alliance, Women for Women International, Canadian American Business Council, Commission for Labor Cooperation, Center for Strategic and International Studies, and the United Nations Association are among the many places that accept interns.

Prerequisite(s): 60 credit units of university level study

Instructor(s): Social Sciences faculty

Rationale: This course is being created as part of the Washington Center Term Abroad program. Students will receive 15 credit units for the program requirements (6 credit unit internship, 6 credit unit portfolio, 3 credit unit academic course). Students will spend a term in Washington, D.C. participating in the program.

#### **INTS 321.6 Washington Center Portfolio**

Students will develop a portfolio that compiles a series of papers and essays documenting their learning during the semester. An individual development plan, resume, internship defense letter, lecture analysis, biweekly journals, civic engagement project reflection, informational interview and work samples will be included. These components are completed and reviewed week by week.

Prerequisite(s): 60 credit units of university level study

Instructor(s): Social Sciences faculty

Rationale: This course is being created as part of the Washington Center Term Abroad program. Students will receive 15 credit units for the program requirements (6 credit unit internship, 6 credit unit portfolio, 3 credit unit academic course). Students will spend a term in Washington, D.C. participating in the program.

### **Aboriginal Public Administration**

#### **Minor Program Revisions**

#### **Aboriginal Public Administration Bachelor of Arts Honours, Four-year**

Add POLS 329 as an option to POLS 424 in 425 in Requirement B6.

#### **B6 Major Requirement (57 credit units)**

- [POLS 204.3](#)
- [POLS 205.3](#)
- [POLS 222.3](#)
- [POLS 225.3](#)

- [POLS 226.3](#)
- [POLS 306.3](#)
- [POLS 322.3](#)
- [POLS 323.3](#)
- [POLS 328.3](#)
- [POLS 422.3](#)
- **POLS 329.3**, [POLS 424.3](#) or [POLS 425.3](#) or any other 3 credit units 400-level POLS approved by the Program Director.
- [IPJP 301.3](#)
- [IPJP 302.3](#)
- [IPJP 402.3](#)
- [IPJP 403.3](#)
- [NS 107.3](#)

*No further changes.*

Rationale: The recently developed POLS 329 course is relevant to the field. This change will provide students with greater course selection.

### **Archaeology & Anthropology**

#### **New Course(s)**

##### **ANTH 379.3 Washington Center Topics in Anthropology**

This course covers topics in Anthropology, offered by the Washington Center, Washington D.C. Possible topics include Peace and Social Justice, International Human Rights, Public Policies and Empowerment Strategies that Reduce Hunger and Poverty or other topics approved by the Department of Archaeology and Anthropology.

Prerequisite(s): 60 credit units of university level study including 6 credit units senior ANTH  
Instructor(s): Anthropology faculty.

Note: Registration in this course is restricted to students selected for the Washington Center Term Abroad program.

Rationale: This course is being created as part of the Washington Center Term Abroad program. Students will receive 15 credit units for the program requirements (6 credit unit internship, 6 credit unit portfolio, 3 credit unit academic course). Students will spend a term in Washington, D.C. participating in the program.

#### **Minor Course Revisions**

##### **ANTH 224.3 North American Plains Ethnography**

Prerequisite Change:

Old Prerequisite: ANTH 111.3 or NS 105.3 and 106.3.

New Prerequisite: ANTH 111.3 or NS 107.3 or ARCH 112.3

Rationale: Two changes have been made to the prerequisites for this course. The first is consistent with changes made by the Department of Native Studies whereby NS107.3 is replacing NS105 and NS106. The second change involves the addition of ARCH 112.3 as a potential prerequisite. Given that the focus of ANTH 224 is on Plains ethnography, and given that the material culture, pre-contact environment, and ethnographic profile of the Plains are covered in ARCH 112, we feel that students with ARCH 112 would have the necessary

preparation for this course. Including ARCH 112.3 as a prerequisite also helps the Department of Archaeology & Anthropology to advance greater integration between our two programs.

### **Economics**

#### **New Course(s)**

##### **ECON 379.3 Washington Center Topics in Economics**

This course will cover topics in Economics, offered by the Washington Center, Washington D.C. Possible topics include How Washington Really Works - Government and Business in the New Economic Reality, International Business: The Middle East, Ethical Behavior in Organizations, Integration in the Americas - Decision Time: Challenges & Opportunities in a Competitive Global Environment, From Ideas to Action: The Anatomy of Entrepreneurship, Global Markets and International Business Strategies, International Business - Case Studies in the Strategic Management of International Trade Affairs, Project Management and Development, Science Policy and Its Challenges, Issues of Immigration and Contemporary Debates, U.S. and China in the 20th and 21st Century, Global Policy Issues: The U.S., China and the World, U.S. - China Bilateral Trade Relationship, or other topics approved by the Department of Economics.

Prerequisite(s): 60 credit units of university level study including 6 credit units senior ECON  
Instructor(s): Economics faculty.

Note: Registration in this course is restricted to students selected for the Washington Center Term Abroad program.

Rationale: This course is being created as part of the Washington Center Term Abroad program. Students will receive 15 credit units for the program requirements (6 credit unit internship, 6 credit unit portfolio, 3 credit unit academic course). Students will spend a term in Washington, D.C. participating in the program.

### **Geography & Planning**

#### **New Course(s)**

##### **GEOG 379.3 Washington Center Topics in Geography**

This course covers topics in Geography, offered by the Washington Center, Washington D.C. Possible topics include The Most Dangerous Woman in the World: Global Women's Health, Pandemics and Human Rights or other topics approved by the Department of Geography and Planning.

Prerequisite(s): 60 credit units of university level study including 6 credit units senior GEOG  
Instructor(s): Geography faculty.

Note: Registration in this course is restricted to students selected for the Washington Center Term Abroad program.

Rationale: This course is being created as part of the Washington Center Term Abroad program. Students will receive 15 credit units for the program requirements (6 credit unit internship, 6 credit unit portfolio, 3 credit unit academic course). Students will spend a term in Washington, D.C. participating in the program.

## Native Studies

### Minor Course Revisions

#### NS 480.3 Aboriginal Food Sovereignty

New Course Number: NS 221.3

New Course Title: **Indigenous Food Sovereignty**

Prerequisite Change:

Old Prerequisite: 18 credit units at senior level in Native Studies

New Prerequisite: NS 107.3 and 3 credit units of 100 level social sciences

Rationale: The course title is being changed to be more consistent with the course description, the literature emerging in this area, and the international nomenclature.

This course is being changed from a 400 level to a 200 level course for the following reasons:

- \* students do not need more than NS 107.3 and a 3 cu social science class to successfully complete this course,
- \* this course is a unique interest area course that will appeal to more than just Native Studies majors and reclassifying it as a 200-level course will make it more readily available.

## Political Studies

### Minor Program Revisions

#### Political Studies Bachelor of Arts Four-year

Change to requirement 6. Eliminate the requirement for 6 credit units of POLS courses at the 400-level.

#### **B6 Major Requirements (30 credit units)**

- [POLS 204.3](#) and [POLS 205.3](#) (formerly POLS 203)
- [POLS 236.3](#) and [POLS 237.3](#) (formerly POLS 235)

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

A minimum of 6 credit units must be chosen from one of Public Administration and Public Policy, Comparative Politics and Area Studies or International Relations subfields. ~~At least 6 credit units must be at the 300-level and at least 6 credit units must be at the 400-level.~~ **Choose an additional 12 credit units of POLS courses, including at least 6 credit units at the 300 or 400 level.** Students are advised that a second language is a valuable asset. French, in particular, should be considered by students, especially if they intend to pursue a career in the federal public service.

*No further changes.*

Rationale: The 400 level requirements could not be sustained in light of expectations and objectives to increase student enrolment per FTE faculty member. More teaching resources are being allocated to other valuable courses with higher enrollments at the 200 and 300 levels that are more available as requirements or electives not only to POLS majors but also to students majoring in other programs within and beyond the College of Arts & Science.

**New Course(s)****POLS 379.3 Washington Center Topics in Political Studies**

This course covers topics in Political Studies, offered by the Washington Center, Washington D.C. Possible topics include Religion and Global Politics, Peaceful Solutions, The Road to the White House, Ethics and the U.S. Congress, How Washington Really Works, U.S. Foreign Policy in the 21st Century, Peaceful Solutions, International Human Rights, The Rationality/ Psychology of Conflict, Violence, and War, Most Dangerous Woman in the World, Intercultural Communications, Public Policies that Reduce Hunger and Poverty, U.S. and China in the 20th and 21st Centuries, Global Policy Issues, Strategic Communication for the Policy Making Process, Press, Politics, and Power, Campaigning for a Cause, Scandalous Washington, Crime, Power, & Punishment, Citizenship in Multicultural Society, Government and Business in the New Economic and Political Reality, Introduction to Criminal Law and Criminal Procedure, International Organizations and Humanitarian Law, Managing the American Intelligence Community, Non-profit Leadership and Management, or other topics approved by the Political Studies Department.

Prerequisite(s): 60 credit units of university level study including 6 credit units senior POLS  
Instructor(s): Political Studies faculty.

Note: Registration in this course is restricted to students selected for the Washington Center Term Abroad program.

Rationale: This course is being created as part of the Washington Center Term Abroad program. Students will receive 15 credit units for the program requirements (6 credit unit internship, 6 credit unit portfolio, 3 credit unit academic course). Students will spend a term in Washington, D.C. participating in the program.

**Correction: POLS 462.3 Ethical Issues in International Studies**

An erroneous prerequisite change was submitted to the April 2011 University Course Challenge for this course. The prerequisite for this course will remain as is, "POLS 460".

**Psychology****Addition of a Lower Level of Concentration****Psychology Bachelor of Science Double Honours**

Double Honours Programs may be taken in combinations of two subjects. 42 credit units in Psychology will normally be taken. The two departments together may specify up to 84 credit units. For further details, please see the [Program Information](#) in the Arts and Science section of the Calendar.

Students may not combine the B.Sc. Double Honours in Psychology with the B.A. Double Honours in Psychology.

**Requirements:**

- PSY 110.6
- PSY 233.3
- PSY 234.3
- PSY 235.3
- PSY 473.6



Choose **3 Credit Units** from the following:

**Group 1**

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

- [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 257.3](#)
- [PSY 260.3](#)
- [PSY 261.3](#)
- [PSY 361.3](#)

Choose **3 Credit Units** from the following:

**Group 2**

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

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

Choose **3 Credit Units** from the following:

**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](#)

Choose **3 Credit Units** from the following:

**Group 2A**

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

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

Choose **3 Credit Units** from the following:

**Group 2B**

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

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

- [PSY 444.3](#)
- [PSY 448.3](#)
- [PSY 456.3](#)

Rationale: As already exists for the B.A. Double Honours program, these changes will give students pursuing the B.Sc. track in Psychology an opportunity to gain significant research experience in two disciplines within the College.

### **New Course(s)**

#### **PSY 379.3 Washington Center Topics in Psychology**

This course covers topics in Psychology, offered by the Washington Center, Washington D.C. Possible topics include The Rationality and Psychology of Conflict, Violence, and War, Citizenship in a Multicultural Society, Forensic Psychology or other topics approved by the Department of Psychology.

Prerequisite(s): 60 credit units of university level study including 6 credit units senior PSY

Instructor(s): Psychology faculty.

Note: Registration in this course is restricted to students selected for the Washington Center Term Abroad program.

Rationale: This course is being created as part of the Washington Center Term Abroad program. Students will receive 15 credit units for the program requirements (6 credit unit internship, 6 credit unit portfolio, 3 credit unit academic course). Students will spend a term in Washington, D.C. participating in the program.

### **Minor Course Revisions**

#### **PSY 101.3 Learning to Learn: Strategies for Academic Success**

Prerequisite Change:

Old Prerequisite: Students must be registered in Open Studies and have completed fewer than 60 credit units.

New Prerequisite: Students must be registered in Open Studies or the Arts and Science Transition Program and have completed fewer than 60 credit units.

Rationale: Over the past year and a half, Transition Program students have already been able to take the Psychology 101 course with a permission override. The inclusion of 'Arts and Science Transition Program Students' as a prerequisite would save administration time and allow students in the Transition Program to register for the class on their own, as they do for all other classes offered and restricted to students in the Transition Program.

### **Public Administration**

#### **Minor Program Revisions**

#### **Public Administration Bachelor of Arts Honours, Four-year**

Add POLS 329.3 as an option to POLS 328.3 in requirement B6.

#### **B6 Major Requirements (69 credit units)**

- [POLS 204.3](#) and [POLS 205.3](#) (formerly POLS 203)
- [POLS 225.3](#)
- [POLS 226.3](#)
- [POLS 305.3](#)
- [POLS 306.3](#)
- [POLS 328.3](#) or **POLS 329.3**
- [COMM 201.3](#)
- [COMM 210.3](#)

*No further changes.*

Rationale: The recently developed POLS 329 course is relevant to the field. This change will provide students with greater course selection.

## **Sociology**

### **New Course(s)**

#### **SOC 379.3 Washington Center Topics in Sociology**

This course covers topics in Sociology, offered by the Washington Center, Washington D.C. Possible topics include The Most Dangerous Woman in the World: Global Women's Health, Pandemics and Human Rights, Peace and Social Justice, International Human Rights, Public Policies and Empowerment Strategies that Reduce Hunger and Poverty, Global Policy Issues – The US, China and the World, Media, Ethics and the Movies, Reflections of Change: Washington and Nation 1940-2010, Citizenship in a Multicultural Society, Crime, Power and Punishment: White Collar Crime in the Halls of Congress and the Executive Branch, Science, Technology, Society: Improving Organizational and Individual Performance or other topics approved by the Department of Sociology.

Prerequisite(s): 60 credit units of university level study including 6 credit units senior SOC  
Instructor(s): Sociology faculty.

Note: Registration in this course is restricted to students selected for the Washington Center Term Abroad program.

Rationale: This course is being created as part of the Washington Center Term Abroad program. Students will receive 15 credit units for the program requirements (6 credit unit internship, 6 credit unit portfolio, 3 credit unit academic course). Students will spend a term in Washington, D.C. participating in the program.

### **Minor Course Revisions**

#### **SOC 360.3 Globalization and Social Justice**

Prerequisite Change:

Old Prerequisite: SOC 111.3 and 112.3 (formerly SOC 110.6); SOC 204 and/or SOC 233 and/or SOC 250.

New Prerequisite: 12 credit units in sociology, including Soc. 110.6 or Soc. 111.3 and Soc. 112.3 or permission of the instructor

Change to Note:

Old Note: Note: Students with credit for SOC 398 Special Topics Globalization and Social Justice cannot take SOC 360 for credit.

New Note: None.

Rationale: The changes are necessary to reflect regular course offerings. In addition, the topic has attracted students from International Studies, the business college, health sciences and others, so this will make it easier for these students to explore the area. By its nature globalization is an interdisciplinary topic, and it has been found that students from these other disciplines enrich the classroom experience.

## DENTISTRY

The College of Dentistry would like to make the following curriculum changes effective at the start of the 2011/12 academic year (August 22<sup>nd</sup>).

***Add the following new course:***

**DENT 321.2 Dental Materials** - to be offered over both terms commencing in the Fall of 2011.

***Prerequisite*** - none

***Times offered***

Mondays 8:30 – 11:20 am

***Rationale***

The first year course DENT 221.2 Dental Materials does not cover all the material that is necessary for adequate training of Dental students. In the past, this material was presented in another course called DENT 320.5 Operative Dentistry II. When the instructor of DENT 320.5 retired, a special topics course, DENT 398 Dental Materials, was set up and an instructor from UBC taught for 2.5 full days during the year. The College now has a resident instructor in place who can provide better instruction in this subject area. In addition, the special topics course DENT398 Dental Materials, has now been offered for two years and according to the policy, the College is not allowed to offer the same special topics course more than twice in a five year period. It is therefore necessary to establish a standalone course for dental materials within the second program year.

***Make the following change:***

Add a course **DENT 310.2 Dental Research** - to be offered over both terms commencing in the Fall of 2011. Note that this course is the same as DENT 410.2 Dental Research.

***Prerequisite*** – none

***Times offered***

Term 1 – Mondays 3:30 – 4:20 pm

Term 2 - Mondays 8:30 – 9:20 am

***Rationale***

The College currently offers a course called DENT 410.2 Dental Research. They would like to change this course to a year 3 course and call it DENT 310.2 Dental Research. The College would like to then offer both DENT 310.2 and DENT 410.2 concurrently in the 2011/12 academic year, then delete DENT 410.2 in the 2012/2013 academic year.

This change will provide a better course load balance in Years 3 and 4. It is necessary in the transition year (2011/12) to offer both courses simultaneously to ensure that students in both years 3 and 4 program receive what they need from this course.

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## **GRADUATE STUDIES & RESEARCH**

### **School of Environment and Sustainability**

#### **New Graduate Course**

##### **ENVS 811.3 – Multiple Ways of Knowing in Environmental Decision-Making**

**Prerequisites/Restrictions:** NONE

**Calendar Description:**

Examines multiple ways of knowing in environmental decision-making. The course involves critical examination of human-nature relations and Aboriginal knowledge systems. Students will analyze their own decision-making beliefs and practices in the context of multiple understandings of the world. Applications to the legal “duty to consult” with Aboriginal peoples is addressed.

**Rationale:**

Environmental practitioners regularly encounter complex dilemmas which demand openness to multiple perspectives. Current decision-making processes are often dominated by particular ways of knowing and knowledge systems, which provide valuable but incomplete perspectives. Broad-based appreciation and understanding of multiple ways of knowing will be increasingly important for success in environmental decision making processes, such as environmental and socioeconomic impact assessments, community consultations, integrated land-use planning, conducting baseline ecological studies, co-management of natural resources, and negotiation of national and international environmental agreements. This is particularly significant in Canada, given the legal and ethical “duty to consult” with Aboriginal Peoples, who do not always prescribe to knowledge systems valued by environmental practitioners. This course will be interdisciplinary in its approach.

**Contact Person:** mj.barrett@usask.ca

**Approval:** Graduate Programs Committee, April 19, 2011

### **Veterinary Microbiology**

#### **New Graduate Course**

##### **VTMC 836.3 – Molecular Diagnostics in Veterinary Medicine**

**Prerequisites/Restrictions:** An undergraduate degree in health or biological sciences or permission of the instructor.

**Calendar Description:**

An introduction to molecular diagnostic methods including the concepts underlying nucleic acid sequencing, manipulation, detection, quantification and genomics and bioinformatics. Concepts will be illustrated by drawing on specific applications of these techniques in veterinary medicine with an emphasis on infectious disease diagnosis and research.

**Rationale:**

Molecular (nucleic acid based) diagnostic methods are now ubiquitous in veterinary and human medicine and research. However, the veterinary curriculum does not currently include any courses on this subject and graduates receive little if any training in this area. As a result, many graduate students have excellent training in infectious diseases, pathology and medicine but do not have sufficient understanding of molecular techniques to competently and confidently read the literature, request appropriate diagnostic tests or interpret the results of these assays.

**Contact Person:** janet.hill@usask.ca

**Approval:** Graduate Academic Affairs Committee, April 14, 2011

**Biomedical Engineering****New Graduate Course****BIOE 806.3 - Biomaterials**

**Prerequisites/Restrictions:** NONE

**Calendar Description:**

In the first month, the course will review biomaterials by classification. In the second month, the students will select a project topic to pursue. The course will then address manufacturing and testing of biomaterials, covering the topics such as corrosion, wear, and nanofabrication of biomaterials

**Rationale:**

This course on biomaterials is essential for student pursuing a degree in engineering, especially biomedical engineering and students from other health science disciplines such as dentistry. Adding a course on biomaterials will strengthen the curriculum and scientific background of the students. There are different schools of thought on materials selection, biocompatibility, and design that the students should be exposed to. Civil Engineers can apply finite element methods to design a hip implant. Medical students will learn how a material that is biocompatible in a total knee replacement application is a bio-incompatible in a nanoscale application. For Dentists, the debate continues on whether to use mercury-based dental amalgams or to apply epoxy composite fillings. The course will cover all these topics as well as others listed in the course outline.

**Contact Person:** chris.zhang@usask.ca

**Approval:** Graduate Academic Affairs Committee, January 17, 2011

**KINESIOLOGY****Prerequisite change**

KIN 380.3: Removing STAT 245.3 or PLSC 314.3 or PSY 233.3 as pre-requisite only and replacing as a pre-requisite or co-requisite.

The main rationale for any of the undergraduate statistics course options being a co-requisite, rather than a pre-requisite for KIN 380 is threefold. First, there is a review of statistics as part of the course content in KIN 380, which provides an initial (re)introduction to statistics even for those who are unfamiliar with statistics. Second, statistics are only a relatively minor component in KIN 380 and the focus in KIN 380 is on the application and use of statistics in Kinesiology

specifically, and much less so than the computations and mathematics of statistics. Third, in some ways students might actually benefit more from taking their statistics class concurrently to (or perhaps even following) KIN 380, because KIN 380 provides context for statistics courses that are being offered outside of our College (i.e., it helps students to understand why that content is relevant to Kinesiology).

APPROVED FACULTY: MARCH 17, 2011