



## Academic Programs Committee of Council University Course Challenge

**Scheduled posting: May 2013**

### **Contents:**

#### **Agriculture and Bioresources**

**Page 2**

Deletion of the minor in Poultry Science

Other curricular changes: revisions to major and honours programs, revisions to BSc (Animal Bioscience) program, new courses, course changes. Items for information.

#### **Arts and Science**

**Page 4**

**Division of Humanities and Fine Arts:** New courses in French, History, Philosophy, Religion and Culture.

**Division of Science:** New course in Microbiology and Immunology; course deletions in Physics, minor program revisions in Physiology and Pharmacology,

**Division of Social Sciences:** New courses in Social Sciences; new course in Health Studies; course deletions in Political Studies; new course in Psychology; minor program revisions in Regional and Urban Planning.

Items for information

#### **Graduate Studies and Research**

**Page 14**

Animal and Poultry Science: new course

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

**Page 15**

New undergraduate course

### **Approval:**

Date of circulation: May 17, 2013

Date of effective approval if no Challenge received: May 31, 2013

### **Next scheduled posting:**

The next scheduled Challenge document posting will be in June 2013, with a submission deadline of June 12, 2013. Urgent items can be posted on request.

### Addendum posted May 21, 2013

**Agriculture and Bioresources prerequisite changes**

**Graduate Studies and Research new courses**

### **Approval:**

Date of circulation: May 21, 2013

Date of effective approval if no Challenge received: June 4, 2013

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## College of Agriculture and Bioresources

### Deletion: Minor in Poultry Science

Effective date of termination: July, 2013

Classes for the minor will continue to be offered, with the exception of ANSC 480 Poultry Feeds and Feeding, which will be deleted. Poultry nutrition will continue to be covered in other courses. Instructional resources released, if any, will be redirected toward the Animal Science and Animal Bioscience programs. Enrollment is expected to increase in VTPA 412.3 Diseases of Poultry since it is one of two disease courses required in the new Animal Bioscience program.

No students have been enrolled or graduated with the Poultry Science minor in the last five years. Students with a specific interest in poultry and the poultry industry will still receive training in the other courses required for their programs and will also be able to complete a poultry research project. ANSC 480 has not been offered for several years. This termination will not affect other programs, departments or colleges. Such programs have been cancelled at most Universities in North America.

### Curricular changes:

#### BSA, AGECE Major and Honours programs

The math requirement is modified to include Math 104.3 as an option with Math 110 and 121.

#### B.Sc. (Animal Bioscience)

Biology 226, Genes to Genomics ADDED to the list of allowable restricted electives

#### SLSC 343.3, *Soil Microbiology*, Prerequisite: FABS 212.3

Change title to *The Living Soil: Microbes and Humankind*

Change Prerequisite to: One of FABS 212.3, BMSC 210.3, SLSC 240.3 or EVSC 2203

Delete laboratory

### New Courses

#### AGRC 211.3, *Introduction to Global Food Security*, Term two

Prerequisite: 30 credit units

Description: This course will introduce students to issues of global food security. Examples taken from the origins of agriculture to modern practices are used to illustrate themes, including sustainable agriculture, food quality and quantity, plant and animal breeding, genetically modified organisms, and productivity improvement. An overview of the food distribution system, the impact of malnourishment and chronic poverty are also presented.

#### Learning Outcomes:

At the end of this course students will have

- An understanding of current and future food security issues

- An international perspective on food production and distribution
- A historical perspective on changes to agricultural systems and productivity growth
- An understanding of the role that processing, storage, transportation, markets and trade play in food security
- An understanding of the role that poverty plays in food security

Rationale: This course addresses a department and college priority from IP3. The theme fits within the university's strategic plan for a food security institute and is expected to be an introduction to a future minor in Global Food Security. The minor in Global Food Security will replace the minor in International Agriculture that was proposed in IP3. Consultation with other colleges over the potential of a cross-college minor is ongoing.

### **AGRC 311.3, International Study Tour**

Prerequisite: Permission of the Instructor

Description: Students are introduced to the agriculture and culture of the designated country through pre-departure readings and seminars. While on tour, students will interact with local farmers/industries/government/students/faculty to see agro ecosystems in other countries first hand. Students will become more aware of challenges and develop possible solutions within the context of enhancing a sustainable, secure, food system.

Learning Outcomes:

At the end of the course students will have

- Understanding of culture and relationship to food security issues
- Knowledge of food production, processing, distribution, economics, sustainability, and environmental issues of designated country
- Understanding of policy differences between their own country and the country visited
- Ability to discuss issues of food security from the perspective of the country visited.

Rationale: Canada is a large producer, exporter and importer of food. International development and globalization are two critical areas in advancing agriculture and Bioresources that can only be partially addressed within the classroom. In order to provide insight into food security issues and an appreciation of agro ecosystems and economics in other regions of the globe, it is essential that students see these places themselves. Enhancing the student experience and addressing global food security are two signature areas of the University of Saskatchewan's IP3.

### **Items for Information**

#### **Prerequisite Changes**

ANBI 411.3, *Domestic Animal Behaviour*,

Prerequisite: ANSC 212.3

ADD completion of 48 credit units

ANBI 420.3, *Comparative Animal Endocrinology*,

Prerequisite: (VBMS 324 and 325) or Biology 317 or permission of the instructor.

Change to Biology 224.3 and 60 credit units, or permission of the instructor.

BPBE 434.3, *Economic Methods of Project Analysis*,

Prerequisite: BPBE 315.3 and ECON 214.3 or permission of the instructor

Delete ECON 214.3

EVSC 420.3, *Environmental Fate and Transport of Toxic Substances*,

Prerequisite: Math 104 or 110; Physics 115 or EVSC 210; successful completion of 60 credit units.

ADD Math 125 as an option with Math 104 and 110.

PLSC 240.3, *Plant Metabolism*,

Prerequisite: Biology 120 and 121 and one of Chem 250 or BMSC 200.

Delete Biology 121 from the list of prerequisites.

## College of Arts and Science

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.

### DIVISION OF HUMANITIES & FINE ARTS

#### French

##### New Course(s):

##### **FREN 460.3 French Orientalism**

1 This course examines how French literature, beginning with Montesquieu's *Persan Letters*, constructed an imaginative *Orient*. The focus is on the *mission civilisatrice* or the invention of a highly civilized Europeanness through a positive comparison to a supposedly backward and static Orient, and on the imperialistic assumptions underlying Western attitudes toward the East, including their racial, cultural, and sexual dimension. The course shows how the different accounts of the Orient reveal the tendency to essentialize a certain homogeneity of the stereotypical Oriental or Muslim, i.e., along with the European imperialist enterprise, the Orient emerged as an intellectual construction that was the opposite of the West. We read a selection of canonical French literary texts (by Montesquieu, Hugo, Balzac, Flaubert, Gide, and others) from the seventeenth to the twentieth century, which are supplemented by film and other media and by excerpts from travel literature, personal diaries, historical chronicles, and scholarly treatises.

Prerequisite(s): FREN 220 or FREN 230

Instructor: Dr. Max Kramer

Rationale: The course contributes a new field of important academic inquiry to the current course offerings in French literary and cultural studies since current department offerings have focused on the literary works and cultural concerns of Europe, Quebec, Latin America, and Western Canada. The course contributes to the body of study in post-colonialist, gender queer and cultural studies. Improves department's offerings in the field, reflects the research interests of the instructor and responds to student demands.

## **History**

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

#### **HIST 352.3 History of the American West**

1 or 2 The course will explore the multiple meanings of the American West through readings, discussion, presentations and film. We will examine the development of Indigenous cultures, European exploration, conquest and colonization, the fur trade, the development of agriculture, gold rushes, outlaws and violence and the role of government and politics in the environment of the Trans-Mississippi West. We will also investigate the role that race and ethnicity as well as gender and sexuality had in making the West what it is. Finally, we will investigate how these categories in particular have affected the way that the West has developed in the 20th and 21st centuries leading up to how historians and the public view the West through the lens of popular culture.

Prerequisite(s): 3 credit units 200-level HIST

Note: North America

Instructor(s): Gary Zellar, Keith Carlson, Geoff Cunfer

Rationale: The need for a course that uses the area of expertise of several department members including Gary Zellar and has been requested by many undergraduate students. A course that has as one of its focal points race and ethnicity in the American West will use one of the research areas under investigation by Professor Zellar. Improves department's offerings in the field, reflects the research interests of the instructor and responds to student demands.

## **Philosophy**

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

#### **PHIL 267.3 Philosophy in Education - Introduction to Philosophy for Children**

1 or 2 This course encourages students to study and reflect on the critical, creative, and caring thinking skills involved in doing philosophy. Through a study of the influence of American Pragmatism on educational theories (which has led to the introduction of philosophy in grade school classrooms around the world) students will develop the skills required to effectively participate in and lead philosophical discussion. Students will learn how to facilitate thoughtful philosophical discussions with elementary school children, using learning techniques including: thought experiments, reasoning games, and reflections on children's literature.

Prerequisite(s): 6 credit units of PHIL

Instructor(s): Emer O'Hagan, Eric Dayton, Erin DeLathouwer

Rationale: The special topics course (PHIL 398), which ran in term two of the 2012/13 academic year with great success, served as a pilot for this new second year course. After much background research and collaboration with already established Philosophy for Children programs in Canada, the United States, the United Kingdom, and Australia, the Department of Philosophy has agreed that the move to offer the course at the second year level is justified. The rationale for altering the course, such that it is offered at the second year level is twofold:

- (1) with fewer prerequisites (and presumably more registrants), the new course will better fit the demand for Philosophy for Children within the Saskatoon Public School Division and the Division of Humanities and Fine Arts, and
- (2) the course will more readily allow pre-education students access to a relevant experiential learning opportunity in the College of Arts and Science. This course will help fulfill an

entrance requirement for the College of Education, namely, acquiring volunteer hours with children.

The 200 level version of the 300 level special topics pilot course will be scaled back to reflect material and workload appropriate for second year students.

## **Religion & Culture**

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

#### **RLST 226.3 Religion Globalization and Social Justice**

1 or 2 This course offers: 1) a preliminary survey of the destructive and constructive interplay between world religions and forces of globalization; 2) an introduction to ancient and contemporary elements/proponents of social justice within five religious traditions'; 3) an elaboration of tentative, interreligious ethical criteria that might guide the evaluation of religio-political developments in our global context.

Prerequisite(s): RLST 110 or 24 credit units

Instructor(s): Dr. Heidi Epstein, Chris Hyrnkow

Rationale: Student interest in globalisation is very high (as evidenced in their attendance at public speaking events, demonstrations, etc.), and yet not many courses are currently offered at the U of S that examine this phenomenon in detail. Controversial issues regarding both religious fundamentalism and economic globalisation, as well as their mutual influence upon each other, constantly surface in the media. The course enhances students' critical literacy of these social dynamics. This objective, in turn, fulfills the broader objective of fostering good global citizenship in students as stated in the U of S academic plan.

The Dept. of Religious Studies is continually developing courses that are topical and interdisciplinary, precisely so that students can study the vital presence of religion as a socialising force in a supposedly "secularised" society. This course extends the department's interdisciplinary conversations even further. The course will also provide another venue for service learning at the U of S, it will act as a "feeder-course" for STM's Intercordia Overseas Service Learning programme, and will be a mainstay within the minor Critical Perspectives on Social Justice and the Common Good. Its interdisciplinary focus should attract students from a very broad range of fields: medicine, nursing, engineering (those interested in sustainable development), political studies, international studies, history, sociology, philosophy, religious studies and anthropology, women and gender studies, and perhaps any students planning studies abroad.

The course has been designed as a very basic initiation into a highly complex topic. It is pitched at the 200 level to allow the maximum number of students (40) to gain access to this material (rather than limiting enrolment to upper-level RLST majors and minors). Having said this, a rudimentary knowledge of world religions would be preferable, hence the RLST 110 prerequisite, so that lecture time is not taken away from specifically interdisciplinary themes.

#### **RLST 258.3 Bollywood and Popular Culture in India and the Diaspora**

1 or 2 This course examines the extent to which the popular culture of India and of the Indian diaspora has been shaped by the films produced by the Bollywood film industry in Mumbai, India. Bollywood films are the most common form of entertainment for the masses in India as well as diasporic Indians in many parts of the world. Films of different genres and times will be seen, understood and critiqued for their significance. The genres include: religious; historical;

social; action, crime and suspense films; art cinema; and diasporic films. Bollywood cinema will be examined as a form of entertainment, as a creator of national integration, as a moulder of popular culture, and as a form of ideological communication.

Prerequisite(s): RLST 110.6 or ANTH 111.3

Instructor: Satya P. Sharma

Rationale: Popular culture has become an important area of study in many disciplines across humanities and social sciences throughout North America and elsewhere. Popular culture is an important dimension of culture, including various forms of art, music, dance, and film. This course will deal with popular culture through the medium of films from a country that produces the largest number of films in the world. During the last almost two decades, North Americans of all ages and both genders have been exposed to Bollywood films in increasing numbers. This course has been successfully offered during 2012-13 as a Special Topics course (RLST 298.3). There is no such other course at the University of Saskatchewan. It is expected that this course will be a popular one for students across many fields, even colleges. Improves department's offerings in the field, reflects the research interests of the instructor and responds to student demands.

## **DIVISION OF SCIENCE**

### **Microbiology & Immunology**

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

#### **MCIM 223.3 Principles of Microbiology and Immunology for Nursing**

This course takes a patient-oriented approach in introducing students to medically-important microorganisms including bacteria, viruses, fungi, and parasites. Topics include the structure and function of microorganisms, host-pathogen interactions, immunological principles, antimicrobial agents and resistance, infection control principles and nosocomial infections, and a representative survey of medically relevant microorganisms.

Prerequisite(s): BIOL 120.3

Note: This course replaces MCIM 224.3 in the Nursing program. Students who already have credit for MCIM 224.3 or BMSC 210.3 will not be required to take MCIM 223.3. Students with credit for MCIM 224.3 or BMSC 210.3 cannot take this course for credit.

Instructor: Harry Deneer

Rationale: Last year, in an effort to hasten the delivery of the Nursing curriculum, MCIM 224.3 was included in the curriculum since it was an existing course offered to Pharmacy students. However, the section delivered to Nursing students did not incorporate the laboratory component of MCIM 224.3, and there was some lecture content difference between the lectures delivered to the Pharmacy and Nursing students. For these reasons, a distinct Nursing-specific microbiology course is warranted.

## Physics & Engineering Physics

### Course Deletion(s)

#### **EP 311.3 Electronics 1**

Rationale: EP 311 has been replaced with an EE course in the revised Engineering Physics program (approved in 2011-12). All EP students following the old program have now finished EP 311, so it is no longer needed.

#### **EP 324.3 Mechanics IV**

Rationale: EP 324 was a required course in the old Engineering Physics program, but is not used in the new program. All EP students following the old program have now finished EP 324, so it is no longer needed.

## Physiology & Pharmacology

### Minor Program Revisions

#### **Bachelor of Science Honours in Physiology & Pharmacology**

Revise major requirement so students need only 6 credit units of PHPY 402, 403, 404 and 405, instead of all four of these courses.

#### **C6 Major Requirement (60 credit units)**

PHPY 401.3 is a recommended, optional course.

- [BIOL 224.3/BMSC 224.3](#)
- [BMSC 200.3](#)
- [BMSC 210.3](#)
- [BMSC 220.3](#)
- [BMSC 230.3](#)
- [BMSC 240.3](#)
- [HSC 350.3](#)
- [PHPY 301.3](#)
- [PHPY 302.3](#)
- [PHPY 303.3](#)
- [PHPY 304.3](#)
- [PHPY 305.3](#)
- [PHPY 306.3](#)
- [PHPY 307.3](#)
- ~~[PHPY 402.3](#)~~
- ~~[PHPY 403.3](#)~~
- ~~[PHPY 404.3](#)~~
- ~~[PHPY 405.3](#)~~
- [PHPY 432.6](#)
- [PHPY 490.0](#)

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

- **[PHPY 402.3](#)**
- **[PHPY 403.3](#)**
- **[PHPY 404.3](#)**



○ **PHPY 405.3**

Rationale: We wish to encourage students in our program to gain practical research experience taking PHPY432.6, a year-long research project under individual Faculty supervision. At the moment, only 25-30% of our students choose the Honours program and therefore elect to complete PHPY432.6. (Students choosing the Honours program have 6 credit units fewer free electives in their program of study.) Completion of all 4 PHPY didactic courses plus PHPY432, the Honours research project may be viewed by the students as too demanding and deter them from gaining significant and useful research experience. Increasing registration in PHPY432 is part of an initiative in Physiology to increase research interest, and enrollment in our graduate programs. The Departments of Physiology and Pharmacology have adequate faculty to accommodate an increase in the number of students enrolling in the research course.

## **DIVISION OF SOCIAL SCIENCES**

### **Division of Social Sciences**

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

#### **SOSC 322.3 Washington Center Internship Summer**

Summer 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

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

Instructor(s): Social Sciences faculty

Rationale: This course is being created as part of the Washington Center Term Abroad - Summer program. Students will receive 9 credit units for the program requirements (3 credit unit internship, 3 credit unit portfolio, 3 credit unit academic course). Students will spend 10 weeks of the summer in Washington, D.C. participating in the program.

Students who attend this program in the Fall or Winter terms are eligible to receive 15 credit units - 6 credit unit internship, 6 credit unit portfolio and 3 credit unit academic course. The difference between these terms and the Summer program is that the Fall and Winter programs are 15 weeks in duration.

#### **SOSC 323.3 Washington Center Portfolio Summer**

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

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

Instructor(s): Social Sciences faculty

Rationale: This course is being created as part of the Washington Center Term Abroad - Summer program. Students will receive 9 credit units for the program requirements (3 credit unit internship, 3 credit unit portfolio, 3 credit unit academic course). Students will spend 10 weeks of the summer in Washington, D.C. participating in the program.

Students who attend this program in the Fall or Winter terms are eligible to receive 15 credit units - 6 credit unit internship, 6 credit unit portfolio and 3 credit unit academic course. The difference between these terms and the Summer program is that the Fall and Winter programs are 15 weeks in duration.

Students who attend in the fall or winter terms also complete a project analysis or programs essay which forms a major part of the portfolio.

## **Health Studies**

### **New Course**

#### **HLST 110.3 Introduction to Health Studies**

1 or 2 Health Studies is a broad and interdisciplinary subject area. This lecture-based course provides an overview of how health has been conceptualized and studied from a wide range of science, social science, and humanities disciplines. The course will examine ways in which the unique perspectives offered by specific academic traditions have been utilized to study and address both past and current health issues.

Rationale: This course is being created as a foundation for a pending Bachelor of Arts and Science program in Health Studies, currently in development in Arts and Science. The course will be offered one year before the program is implemented, to give students a chance to get started in the program, and to recruit students to the program. HLST 110.3 will count as a Social Science course (in Arts & Science Distribution Requirements), so all Arts & Science students may use the course toward the total credit units required for any program, whether or not the Health Studies program is approved.

## **Political Studies**

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

#### **POLS 342.3 Russia and the Former Soviet Union Politics of Change**

Rationale: This course has not been taught or offered in years due to no interest from students.

#### **POLS 371.3 International Conflict I Cold War**

Rationale: This course is now redundant as other similar courses are available. There should be an increase in enrolment for these other courses with this deletion.

#### **POLS 449.3 The Theory of Multiculturalism**

Rationale: This course is redundant. The department currently offers a 3rd year course that covers much of the same material.

## **Psychology**

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

#### **PSY 423.3 Disability Discourses and Social Practices**

1 or 2 The goals of this Seminar course are two-fold: first, to provide knowledge about the interconnections between disability, discourses and social practices; second to provide students with the opportunity to pursue an issue of interest to them and to share their discoveries, thoughts and questions regarding this issue with their classmates. The course invites students to examine how cultural interpretations interact with biology or psychophysiology and social interactions to produce distinctive forms of disability.

Prerequisite(s): Permission of the department and 6 credit units in 300-level Psychology courses  
 Note: The course endorses a multidisciplinary perspective. Materials from the fields of disability studies, anthropology, psychology, history, philosophy, psychiatry, literature, law and ethics are examined to provide an interdisciplinary perspective on disability.

Instructor: Dr. Michel Desjardins

Rationale: This was previously offered as a Special Topics course and needs to be a permanent course for future offerings. The course introduces Psychology students to the important sub-field of disability. Improves department's offerings in the field, reflects the research interests of the instructor and responds to student demands.

## **Regional & Urban Planning**

### **Minor Program Revisions**

#### **Bachelor of Arts Honours and Four-year in Regional & Urban Planning**

Add PLSC 235.3 (Urban Food Production) as an optional course in the cognate requirements (B7) in the Communities & Development and Environmental Planning & Management streams.

### **B7 Electives Requirement (27 credit units)**

#### **Required Cognate Courses (12 credit units)**

Students must complete one of the following streams of concentration:

#### **Communities & Development**

- [GEOG 441.3](#) or [SOC 206.3](#)

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

- [CE 329.3](#) (see Note 3 below)
- [CE 467.3](#) (see Note 3 below)
- [GEOG 350.3](#)
- [GEOG 441.3](#)
- [NS 262.3](#)
- [PLSC 235.3](#)
- [SOC 203.3](#)
- [SOC 206.3](#)
- [SOC 214.3](#)
- [SOC 217.3](#)
- [SOC 309.3](#)

- [SOC 321.3](#)
- [SOC 409.3](#)

### **Design**

- *No change.*

### **Enterprise & Entrepreneurship**

- *No change.*

### **Environmental Planning & Management**

- [GEOG 280.3](#)

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

- [ECON 275.3](#)
- [ECON 277.3](#)
- [GEOG 320.3](#)
- [GEOG 322.3](#)
- [GEOG 329.3](#)
- [GEOG 385.3](#)
- [GEOG 386.3](#)
- [GEOG 445.3](#)
- [PLSC 235.3](#)
- [RRM 312.3](#)

### **Planning Touchstones**

- *No change.*

### **Open Electives (15 credit units)**

Rationale: The addition of PLSC 235 to the RUP program would be beneficial to RUP students as it is a multi-disciplinary course that provides an introduction to the concept of home gardening, community gardening, and commercial food production within an urban / town setting. Environmental sustainability is emphasized. The course explores the social aspects of food, urban planning, food security, and changing demographics.

### **Items for Information**

The curricular revisions listed below were approved through the Arts & Science College Course and Program Challenge and are now submitted to the University Course Challenge for information.

## **DIVISION OF SCIENCE**

### **Biomolecular Structure Studies**

#### **Minor Course Revisions**

#### **BMST 305.3 Structure and Function of Biomolecules**

Prerequisite Change:

Old Prerequisite: CHEM 115, CHEM 250, BMSC 200

New Prerequisite: BIOC 310.3

New Note: Students with credit for BMST 305 will not receive credit for BIOC 405

Change to Subject Code and Number: **BIOC 405**

**New Course Description:**

This is a lecture-based course that will focus on the advanced principles of protein structure, stability and biological function. In addition, techniques used to study protein structure will be introduced and illustrated with practical examples and problems.

Rationale: The BMST program is under review and is no longer accepting new students. One of its courses, BMST 305.3, is well subscribed by undergraduate science students. Currently, it is taught by faculty members of the Department of Biochemistry. We would like to continue to offer this course as BIOC 405.3 and incorporate it into the Biochemistry programs. The course content will be revised to include more advanced material to elevate it to a 400-level course. The content of BIOC 405 will flow logically from BIOC 310 (Proteins and Enzymes) and will complement BIOC 412 (Protein Structure, Function and Engineering).

**DIVISION OF SOCIAL SCIENCES****Division of Social Sciences****Minor Course Revisions****INTS 320.6 Washington Center Internship****INTS 321.6 Washington Center Portfolio**

New Subject Code: **SOSC**

Rationale: The Washington Center internship best aligns with internship courses in other Social Sciences programs. The work done for the Washington Center Portfolio course is predominantly “social sciences” in nature. The SOSC subject code was not available at the time that these courses were introduced.

**Sociology****Minor Course Revisions****SOC 344.3 Sociology of Women Gender and Development**

Prerequisite Change:

Old Prerequisite: 12 credit units SOC plus SOC 242; or POLS 246 and 262; or ECON 221; or IS 200

New Prerequisite: 12 credit units SOC plus two of any of SOC 242, SOC 260, POLS 246, POLS 261, POLS 262, ECON 221, IS 200, WGST 210 and/or WGST 250

Rationale: This change is being made to ensure that the student has a choice of prerequisite courses. Currently the student may not be able to take the course because the prerequisite may not be offered.

**SOC 409.3 Sociology of Development**

Prerequisite Change:

Old Prerequisite: 18 credit units SOC

New Prerequisite: 12 credit units SOC plus two of any of SOC 344, SOC 360, HIST 303, POLS 341, POLS 346, POLS 362

**New Course Description:** This seminar course entails sociological analyses of a range of dramatic national and international occurrences through critical reviews of competing theoretical perspectives and empirical evidences concerning the diverse trajectories of industrialization, economic development and globalization within and across nations with different political and economic systems.

**Rationale:** This change is to enable students with relevant courses taken from other departments to enrol in this course.

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## **College of Graduate Studies and Research**

### **ANIMAL AND POULTRY SCIENCE**

#### **New Graduate Course**

#### **ANSC 816.3 – Biotechnology and the Rumen Ecosystem**

#### **Prerequisites/ Restrictions:**

ANSC 815 Animal and Poultry Nutrition or with permission from instructor

#### **Calendar Description:**

Focus on advances in rumen microbiology and biotechnology relevant to feed digestion, microbial ecology and digestive upset in ruminants. Content will rely on critical evaluation of current literature and techniques and develop oral and written presentation skills. An integrative approach to problem solving in rumen function will be emphasized.

#### **Rationale:**

The department has identified a need for a graduate Rumen Microbiology and Biotechnology course to improve our students' knowledge in this area and develop a better understanding of the relationships between nutrition and rumen microbiology. Furthermore, students will be able to identify how the tools of molecular biology can be applied to further characterise not only the rumen but other microbial ecosystems. The course combines theoretical concepts and principles with practice. Current research, recent literature, and real-life examples will be used throughout the course to enable students to formulate a detailed understanding.

The course has been taught as ANSC 898 for the last two years and has had enrollment of more than 10 students each year. Students from the University of Saskatchewan from the departments of Animal and Poultry Science, Agricultural and Bioresource Engineering and Veterinary Biomedical Sciences as well as students from other universities including University of Alberta and University of Lethbridge have enrolled in this course.

**Contact:** tim.mutsvan@usask.ca

**Approval:** Graduate Academic Affairs Committee

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## School of Environment and Sustainability

### New undergraduate course

#### **ENVS 401.3 Sustainability in Action**

**Term two**

**1L/2S**

**Prerequisite:**

6 cu natural science and 69 credit units of other university level courses (for a total of 75 credit units) or the permission of instructors.

**Calendar description:**

This course combines seminars and project-based activities to examine local and global sustainability issues, integrating perspectives and knowledge from both the social and natural sciences. Students will work in interdisciplinary, collaborative groups to address sustainability challenges.

**Rationale for introducing this course:**

The University of Saskatchewan offers five undergraduate degree programs specializing in the environment. Each of these programs has different program goals and outcomes, although all address issues of the environment and sustainability. Currently, some programs include a recognized capstone course (e.g., EVSC 485.3) whereas others do not. A common capstone experience would facilitate interdisciplinary discussions of common sustainability issues between students and instructors from different programs and disciplines. This interdisciplinary approach at the capstone level is intended to highlight different perspectives and approaches to sustainability, and will challenge students to look beyond disciplinary boundaries. This course will be team-taught by faculty in the natural and social sciences to reinforce the importance of different perspectives. By broadening the students understanding of the principles of sustainability and the interdependencies of the environment, the economy, and social systems, students will learn how to recognize and implement the changes necessary to become effective local and global citizens.

**Impact:**

EVSC 485.3 Environmental Science Capstone Course may be considered for deletion when this course is approved. This course is intended to replace EVSC 485.3 as a requirement for Environmental Science majors BSA in the College of Agriculture and Bioresources.

This course may also be required for students enrolled in the BAsc in Environment and Sustainability; it is intended to serve as the new capstone course for this program in the College of Arts and Science (delivered by GEPL). Presently, no course has been identified or created to serve as the capstone in this program.

**Proposed instructors:**

Dr. Phil Loring and Dr. Fran Walley