



Academic Programs Committee of Council University Course Challenge

Scheduled posting: April 2012

Contents:

Arts and Science: Page 2

Humanities and Fine Arts: English Honours program revision to add “Media, Culture and Community” course category; Music course deletion and revision.

Science: Geophysics program revision; Mathematics and Statistics course revisions to clarify relationship between first-year calculus courses and related prerequisite changes; Physics and Engineering Physics new course for field work in Norway, prerequisite change for PHYS 252.

Social Sciences: Native Studies new courses; Political Studies new course; Psychology course revision.

Education: Page 10

Item for information about change in Educational Foundations course labels.

Graduate Studies and Research: Page 12

Educational Foundations new courses; Nursing new course*; Johnson Shoyama Graduate School of Public Policy new courses; Soil Science new courses; Mathematics and Statistics course revisions; Public Health program revision and prerequisite changes; Psychology program revision and new course.

Kinesiology: Page 20

Program revision for combined Education/Kinesiology program requirements.

Approval:

Date of circulation: April 16, 2012

Date of effective approval if no Challenge received: April 30, 2012

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 May 2012, with a submission deadline of May 14, 2012. **This will be the last date for making any prerequisite or other course changes for 2012-13.** Urgent items can be posted on request.

*Contact person corrected April 17, 2012

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 or information.

DIVISION OF HUMANITIES & FINE ARTS

English

Minor Program Revisions

English B.A. Honours

Add a fifth category of courses, which will cover 21st Century courses in Media, Culture and Community, and allow students to choose 6 credit units from the 20th and/or 21st Century courses.

A6 Major Requirement (54 credit units)

- (a) 12 of the 54 senior credit units must be taken at the 400-level
- (b) 12 of the 54 senior credit units must be taken at the 300-level
- (c) 6 of the 54 senior credit units must be a Canadian course ([ENG 242.3](#), [ENG 253.6](#), [ENG 335.3](#), [ENG 338.3](#), [ENG 351.3](#), [ENG 358.3](#), [ENG 359.3](#), [ENG 305.3](#), [ENG 382.3](#))
- (d) Honours students must enroll in [ENG 497.0](#) in their final year. Honours students who contemplate proceeding to graduate studies in the discipline should pay early attention to acquiring skills in a language other than English.
- (e) Honours students should make an appointment with the Department's Administrative Assistant for academic advising.

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

- [ENG 202.6](#)
- [ENG 203.6](#)
- [ENG 204.6](#)
- [ENG 290.6](#)

Choose 6 credit units from EACH of categories 1 through ~~4~~ 3 (24 18 credit units in all).

Category 1: Anglo-Saxon & Medieval

No change

Category 2: Renaissance

No change

Category 3: 18th/19th Century

No change

Choose 6 credit units from category 4 and/or category 5.

Category 4: 20th Century

- | | |
|-----------------------------|-----------------------------|
| • ENG 242.3 | • ENG 330.3 |
| • ENG 253.3 | • ENG 338.3 |
| • ENG 288.3 | • ENG 345.3 |
| • ENG 305.3 | • ENG 347.3 |
| • ENG 307.3 | • ENG 348.3 |

- [ENG 349.3](#)
- [ENG 351.3](#)
- [ENG 358.3](#)
- [ENG 359.3](#)
- [ENG 360.3](#)
- [ENG 361.3](#)
- [ENG 363.3](#)
- [ENG 364.3](#)
- [ENG 368.3](#)
- [ENG 369.3](#)
- [ENG 379.3](#)
- [ENG 382.3](#)
- [ENG 444.3](#)
- [ENG 446.3](#)
- [ENG 462.3](#)
- [ENG 464.3](#)
- [ENG 466.3](#)
- [ENG 468.3](#)

Category 5: Media, Culture, and Community

- [ENG 288.3](#)
- [ENG 307.3](#)
- [INCC 210.3](#)
- [INCC 401.3](#)

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

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

Rationale: The change creates a new category (Category 5) for courses in the area of Media, Culture, and Community. It allows some courses previously not included under any category to fulfill the category requirements for the BA Honours in English, while still allowing students the flexibility to fulfill 6 credit units of those requirements with courses from either category 4 or category 5. It does not add to the number of credit units in the Major Requirement for that program.

This new Category 5 reflects an emerging area of research and teaching strength in the Department that we felt should be represented in our undergraduate Honours program. It also takes advantage of new courses developed for the Minor in Digital Culture & New Media, and formally acknowledges in the undergraduate program the well-established fields of Media Studies and Cultural Studies.

Music

Course Deletion

MUS 202.6 Composition

Rationale: MUS 202 was originally only required for the Bachelor of Music (Theory & Composition). In 2006 this course was removed from the program requirements. The course has not been offered since its deletion from the program, and the Department of Music does not plan to offer it.

Minor Course Revisions

MUS 302.6 Composition

New course description: Composition in small and large forms for various media.

Prerequisite Change:

Old prerequisite: MUS 202

New prerequisite: MUS 234

Rationale: The composition requirements for the Bachelor of Music (Theory & Composition) program used to be MUS 202.6, MUS 302.6, and MUS 402.6. In 2006, MUS 202.6 was deleted from the program, leaving MUS 302.6 and MUS 402.6. The prerequisite for MUS 302 is currently MUS 202. Given the proposed deletion of MUS 202, the prerequisite for MUS 302 needs to change. MUS 234 (second-year music theory) will provide appropriate preparation.

The calendar entry for MUS 302 must also be updated, as it currently states that it continues on work done in MUS 202.

DIVISION OF SCIENCE

Geophysics

Minor Program Revisions

Geophysics B.Sc. Four-year and Honours

Add MATH 223.3 and 224.3 as recommended alternates in the Major Requirement (C6)

4-year

C6 Major Requirement (48 credit units)

- [GEOL 224.3](#)
- [GEOL 245.3](#)
- [GEOL 258.3](#)
- [GEOL 282.3](#)
- [GEOL 334.3](#)
- [GEOL 335.3](#)
- [GEOL 481.3](#)
- [GEOL 482.3](#)
- [GEOL 483.3](#)
- [GEOL 485.6](#)
- [EP 325.3](#)
- [EP 228.3](#)
- [EE 202.3](#)
- [MATH 223.3](#) or [MATH 225.3](#) or [MATH 276.3](#) (MATH 223 is recommended)
- [MATH 224.3](#) or [MATH 226.3](#) or [MATH 238.3](#) (MATH 224 is recommended)

Honours

C6 Major Requirement (48 credit units)

- [GEOL 224.3](#)
- [GEOL 245.3](#)
- [GEOL 258.3](#)
- [GEOL 282.3](#)
- [GEOL 334.3](#)
- [GEOL 335.3](#)
- [GEOL 481.3](#)
- [GEOL 482.3](#)
- [GEOL 483.3](#)
- [GEOL 485.6](#)
- [EP 225.3](#)
- [EP 228.3](#)
- [PHYS 229.3](#) or [EP 229.3](#)
- [MATH 223.3](#) or [MATH 276.3](#) (MATH 223 is recommended)
- [MATH 224.3](#) or [MATH 238.3](#) (MATH 224 is recommended)

Rationale: MATH 223, 225 and 276 are similar in content as are MATH 224, 226 and 238. MATH 223 and 224 are recommended because of the vector calculus component, which will be beneficial to Geophysics students.

Mathematics & Statistics

Minor Course Revisions

MATH 112.3 Rudiments of Integral Calculus

Change to Note:

Old Note: Students with credit for MATH 116 or 124 may not take this course for credit.

New Note: Students may have credit for only one of MATH 112, 116, 124, or 128.

Rationale: MATH 112, 116, 124, and 128 all present the material covered in the second-half of a typical first-year Calculus sequence, but as intended for different audiences. Taking more than one of these courses would involve extensive repetition of material but with examples and exercises from different academic areas. The proposed change simply clarifies the existing relationship among the listed courses.

MATH 116.3 Calculus II

Change to Note:

Old Note: Students with credit for MATH 112 or 124 may not take this course for credit.

New Note: Students may have credit for only one of MATH 112, 116, 124, or 128.

Rationale: See MATH 112 above.

MATH 121.3 Mathematical Analysis for Business and Economics

Change to Note:

Old Note: Students may have credit for only one of MATH 110, 121, 123, or 125.

New Note: Students may have credit for only one of MATH 110, 121, 123, or 125. Arts & Science students needing 6 credit units of 100-level calculus should take MATH 110 followed by MATH 116.

New Restriction: Enrolment in the Edwards School of Business

Rationale: This course was designed for students in the Edwards School of Business and is only taken by them. Though Arts & Science students do not (regularly) take this course, the information indicating that students needing 6 credit units of 100-level calculus is included to be clear and consistent with other entry level calculus courses (MATH 110, MATH 121 and MATH 125).

MATH 124.3 Calculus II for Engineers

Change to Note:

Old Note: Students with credit for MATH 112 or 116 may not take this course for credit.

New Note: Students may have credit for only one of MATH 112, 116, 124, or 128.

Rationale: See MATH 112 above.

MATH 125.3 Mathematics for the Life Sciences

Change to Note:

Old Note: Note(s): Students may receive credit for only one of MATH 110, 121, 123, or 125.

Students with credit for MATH 115 may not take this course for credit.

New Note: Students may receive credit for only one of MATH 110, 121, 123, or 125. Students with credit for MATH 115 may not take this course for credit. Arts & Science students needing 6 credit units of 100-level calculus should take MATH 110 followed by MATH 116.

New Restriction: This course is restricted to students Majoring in Biology; Biology & Biotechnology; Anatomy & Cell Biology; Biochemistry; Biochemistry & Biotechnology; Biotechnology, Microbiology & Immunology; Environment & Society; Environmental Biology; Microbiology & Immunology; Physiology & Pharmacology; Toxicology; or Pharmacy.

Rationale: This course was designed for students majoring in the life sciences. Arts & Science students in programs requiring 6 credit units of 100-level calculus should take MATH 110 followed by MATH 116, as these courses are designed for those programs and are both regularly offered.

MATH 213.3 Linear Programming and Game Theory

MATH 258.3 Euclidean Geometry

MATH 363.3 Abstract Algebra

MATH 364.3 Number Theory

STAT 245.3 Introduction to Statistical Methods

Prerequisite Change:

Old Prerequisite: One of MATH 100, 104 (formerly MATH 101), MATH 110 or STAT 103

New Prerequisite: One of MATH 100, 104 (formerly 101), 110, 121, 123, 125, or STAT 103

Rationale: The prerequisite for these courses is essentially a requirement that students have achieved the necessary mathematical maturity and knowledge to be successful. Successfully completing one 100-level MATH or STAT course has been found to achieve this goal. The proposed change simply identifies additional possible courses that a student might have taken to achieve this, and is being proposed in response to student demand.

MATH 225.3 Intermediate Calculus I

MATH 226.3 Intermediate Calculus II

MATH 238.3 Introduction to Differential Equations and Series

MATH 266.3 Linear Algebra I

MATH 276.3 Vector Calculus I

Prerequisite Change:

Old Prerequisite: MATH 110 and 116

New Prerequisite: (MATH 110 and MATH 116) or (MATH 121 or MATH 125; and MATH 128)

Rationale: Students who take MATH 121 or 125 and then MATH 128 will have covered the same basic Calculus as students who take MATH 110 and 116.

MATH 465.3 Introduction to Cryptography

Prerequisite Change:

Old Prerequisite: MATH 364

New Prerequisite: MATH 364 or permission of the Head of Mathematics and Statistics.

Rationale: MATH 465 is of interest to students pursuing either Major or Honours programs in Mathematics as well as to students taking Mathematics courses simply for interest. MATH 364 is an acceptable course for a Major or "interest" program and is the obvious prerequisite requirement for MATH 465 for such programs. However, Honours students are not allowed to

use MATH 364 as part of the courses making up their Honours program, but they may use MATH 465 for this purpose. Since such students are unlikely to have taken MATH 364 but are likely to have taken and succeeded in Honours level MATH courses, it will be easier to examine their background on an individual basis to assess their preparation to handle the material in MATH 465. The above approach has been used in the past with MATH 465 in order to waive the listed prerequisite for qualified students. This change will help to make students aware of an alternate route into the course.

Physics & Engineering Physics

New Course

PHYS 391.3 CaNoRock: Canada Norway Student Sounding Rocket Course

1 or 2 A field course held at the Andøya Rocket Range in Andenes, Norway. Students will assemble scientific instruments, test these instruments, collect the data remotely from the rocket's telemetry systems during the rocket's flight, and analyse and present the interpreted data.

Note: This course has costs in addition to tuition fees.

Prerequisite(s): Successful completion of 45 credit units and permission of the department

Instructor(s): Kathryn McWilliams

Rationale: CaNoRock is an educational collaboration between Canada and Norway. Bilateral agreements are in place between the University of Oslo and the Universities of Saskatchewan, Alberta and Calgary. Students travel to the Andøya Rocket Range in northern Norway for a one-week intensive field course. The Andøya Rocket Range is a dual-purpose rocket range, supporting all scales of scientific rocket and balloon research, as well as education and outreach with lecture and laboratory facilities. The Andøya Rocket Range supports groups ranging from elementary students, to high school teachers, to PhD students and career space science researchers. In 2009, competitions were held to send four undergraduate students from the current Canadian CaNoRock partner Universities of Saskatchewan, Alberta, and Calgary to participate with Norwegian student colleagues in the established Student Sounding Rocket Course at the Andøya Rocket Range. This offered a proof of the CaNoRock concept, and led to the launch of Canada-Norwegian student payloads to 10 kilometers altitude on CaNoRock-1 – a CRV7 rocket based on converted military hardware. Thanks to the overwhelming response from the CaNoRock students, the Canadian Space Agency has made a commitment to provide financial support for Canadian students to participate in the Norwegian course.

CaNoRock delivers an exceptional discovery learning experience using practical, hands-on instruction in experimental space science using student-built experiments on sounding rockets. Approximately ten students from Canada and ten students from Norway participate in each CaNoRock course, and students report that the international nature of the group work is one of the highlights of the course. CaNoRock is intended to enhance the discovery learning and to strengthen student engagement in the learning process through the exceptional learning experience of building, testing and flying a science payload on a sounding rocket. This active learning experience is expected to recruit students into postgraduate studies in space research and engineering and careers in the aerospace industry by exposing them to hands-on space experience and active research. In fact, of the eight students from the University of Saskatchewan who have participated in CaNoRock and completed their degrees, four will be pursuing graduate studies in space science, and three of those will do so at the University of Saskatchewan. CaNoRock is well aligned with the space science research interests in the Institute of Space and Atmospheric Studies at the University of Saskatchewan. CaNoRock will

hence lead to the outcome of attracting some of the best undergraduate science and engineering students into masters and PhD programs here at the University of Saskatchewan. CaNoRock is being proposed as a third-year course. Students are expected to have successfully completed at least 45 CU of courses. At the rocket range, students are expected to be able to assemble scientific instruments, to test these instruments, to collect the data remotely during the rocket's flight from its telemetry systems, and to analyse and present the interpreted data. It is advantageous, though not essential, that students have experience with electronic circuits and instrumentation. Students in their third year are capable of handling the time stresses involved in such an intensive one-week course, and they have enough experience working with scientific data to be able to interpret meaningfully the data that they collect. Third- and fourth-year students, as well as some exceptional second-year students, from the University of Saskatchewan have already proven that they are well prepared to participate at a very high level in the CaNoRock field course (previously offered as a Special Topics course). This course improves department's offerings in the field, reflects the research interests of the instructor and responds to student demands.

Minor Course Revisions

PHYS 252.3 Foundations of Modern Physics

Prerequisite Change:

Old Prerequisite: PHYS 115

New Prerequisite: PHYS 115; Prerequisite or Co-requisite: MATH 104, MATH 110, MATH 121, MATH 123, or MATH 125

Change to Note:

Old Note: This course covers the lecture component of PHYS 251. Students may have credit for only one of PHYS 251 or PHYS 252. This course is the recommended course for Arts and Science students including Physics majors, for students from other Colleges, and for Engineering students who do not major in Engineering Physics.

New Note: Students can have credit for only one of PHYS 251 and 252.

Rationale: The course requires differentiation of elementary functions in the second half of the course, and therefore it is appropriate for students to take some introductory calculus as a pre/co-requisite.

PHYS 251 has been deleted, so the note has been modified appropriately. (PHYS 252 is now part of the Engineering Physics program.)

DIVISION OF SOCIAL SCIENCES

Native Studies

New Course

NS 256.3 A Critical Survey of the History of Indigenous Child Welfare in Canada

2 This class examines the development and practice of Aboriginal Child Welfare in Canada from historic to contemporary times. Within a framework of examining the issue of Aboriginal control of child welfare as a right within the inherent right of self-government, major themes and concepts to be explored will include the "best interests of the child and Western liberal individual rights principles," "rights of the First Nations child," "over-representation" issues and challenges faced by First Nations controlled Family and Child Services. Additional areas of

“child welfare” will also be examined. It will also consider critical/Indigenous perspective related to central themes, discourses and concepts within Aboriginal Child Welfare policy and practice. The course format includes lectures, readings, case studies, guest speakers, film and research.

Prerequisite(s): 3 credits of 100-level NS and 3 additional credit units in Social Sciences

Instructor(s): Cheryl Swidrovich

Rationale: This course has been offered twice in the last two years as a special topics course.

Both times it was offered the class enrollment was at or near capacity. This course enhances the department's offerings in gender and social justice. Improves department's offerings in the field, reflects the research interests of the instructor and responds to student demands.

NS 273.3 North American Indigenous Gangs: A Comparison of Canada and the United States

1 or 2 This course will examine Canadian Aboriginal and American Indian gangs. Students will consider the historical and societal context within which Indigenous gangs are produced leading to an increased awareness and understanding of Indigenous youth participation in gangs. Some topics to be covered include: reservation/reserve and urban connections, the inter-generational impacts of the residential/boarding school, female gangs/gang members, institutionalized (criminal justice system) interactions, and the impact of prisons on the perpetuation of Indigenous gangs.

Prerequisite(s): 3 credits of 100-level NS and 3 additional credit units in Social Sciences

Instructor(s): Robert Henry

Rationale: This course has been offered twice as a special topics course - the second time this

term (Winter 2012). The course has proven to be extremely popular with students. This course will enhance the department's offerings in the areas of gender and social justice. This course enhances the department's offerings in gender and social justice, reflects the research interests of the instructor and responds to student demands.

Political Studies

New Course

POLS 341.3 Asian Governance and Politics

1 or 2 The course provides an introduction to the government, politics and issues that face the countries of the Asia Pacific region, and seeks to provide students with a foundation for a lifelong engagement with a fascinating and increasingly important part of the world.

Prerequisite(s): POLS 111.3 and (POLS 112.3 or IS 100.3)

Instructor(s): Carin Holroyd

Rationale: This course is being created to broaden the Department's offerings in an area that is currently not covered in the curriculum, which is of great relevance given today's international political economy. Improves department's offerings in the field and reflects the research interests of the instructor.

Psychology

Minor Course Revisions

PSY 226.3 Intrapersonal and Interpersonal Processes

New title: **Individual Processes in Social Psychology**

Short title: Individual Processes

New course description: An examination of social psychological theories and research related to individual processes. Intrapersonal processes such as social cognition, the self, and attitudes, as well as interpersonal processes such as attraction, persuasion, altruism and aggression will be covered through lectures, readings, and assignments.

Prerequisite change:

Old prerequisite: PSY 110

New prerequisite: PSY 121

Change to Note:

Old Note: Students with credit for PSY 221 cannot take this course for credit

New Note: none

Rationale: Prerequisite change reflects split of PSY 110.6 into PSY 120.3 and PSY 121.3. PSY 121.3 will serve as the prerequisite for Psychology courses in Group 1. The note about PSY 221 should be removed as it is more than 10 years since PSY 221 has been taught. The new title and calendar description better reflect the current content of the course and will give students a better understanding of the content.

COLLEGE OF EDUCATION

Educational Foundations

Item for Information: Change of course labels

The Department of Education Foundations offers classes through the EFDT, EIND and ECNT course labels.

EIND courses were historically offered by the department of Indian and Northern Education. ECNT classes have been offered through the Adult and Continuing Education strand from within Educational Foundations since 1993. Concentrated areas of study in EFDT, EIND, or ECNT were a feature of our graduate program until a removal of specializations was approved in March 2010. The Integrated M.Ed. that now exists provides interdisciplinary study and these course remain within Educational Foundations current graduate programs.

ECNT classes were a feature of the M.Ed, with a specialization in Adult Education but were also the primary classes of the M.C.Ed. The M.C.Ed stopped admitting new students more than five years ago and its last student convocated in June 2011. On August 30, 2011, the department approved the discontinuation of the M.C. Ed. For efficiency sake, we intend to send the paperwork for the discontinuation of the M.C.Ed with the paperwork for the nomenclature change to university challenge within the same time frame. ECNT and EIND courses are part of the ongoing current Educational Foundations MED programs.

On Nov. 4, 2011 the Department approved changing all EIND and ECNT course prefixes to EFDT. The language of the motion is as follows:

that the department approve changing all EIND and ECNT course prefixes to EFDT, that the department approve changing EIND and ECNT course numbers as recommended in the attached document (EFDT Prefixes suggested Nov 2011) and that Stephanie Kehrig be given discretion to make changes in course numbers and any related nomenclature.

Department members agreed that the changing of prefixes was a nomenclature change only and would be beneficial for students.

FDT Prefixes suggested Nov 2011

Current Class Names			Update to EFDT		
Subject	Course Number	Course Status			
EFDT	101	A	EFDT	101	Introduction to Education
EFDT	298	A	EFDT	298	Introduction to Education 2
EFDT	335	A	EFDT	335	Introduction to First Nations and Cross Cultural Education
EIND	360	C			
EIND	375	C			
ECNT	410	C			
ECNT	420	A	EFDT	420	Processes in Continuing Education
ECNT	498	A	N/R as EFDT 498 will cover		
EFDT	432	C			
EFDT	435	A	EFDT	435	Educational Thought and Values: Critical Perspectives in
EFDT	436	A	EFDT	436	Rational Theory and Practice of Cooperative Learning
EFDT	440	M	EFDT	440	Introduction to the Sociology of Education
EIND	450	A	EFDT	450	Aboriginal Epistemology and Pedagogy
EFDT	454	A	EFDT	454	International Education Study Tour
EFDT	480	A	EFDT	480	Education for Global Society
EFDT	481	M	EFDT	481	Education and Environment
EFDT	482	A	EFDT	482	Women in Education
EFDT	483	M	EFDT	483	Women and Teaching Profession
EFDT	486	A	EFDT	486	Gay and Lesbian Issues in Education
EFDT	498	A	EFDT	498	Special Topic: 3 c.u.
EFDT	499	A	EFDT	499	Special Topic: 6 c.u.
EIND	498	A	EFDT	498	
ECNT	498	C			
EIND	JR		EFDT	JR	used for transfer credits equivalency
EIND	SR		EFDT	SR	used for transfer credits equivalency
EIND	UNSPED		EFDT	UNSPEC	used for transfer credits equivalency

Note that EIND 220 and EIND 380 are omitted from this *Request for Change on Name* as these courses are offered through the Department of Curriculum Studies.

Note that the department has also proposed that graduate course labels be changed, and this will be dealt with by the College of Graduate Studies and Research.

COLLEGE OF GRADUATE STUDIES & RESEARCH

Educational Foundations

New Graduate Courses

EFDT 848.3 – Resilience in Aboriginal Education

Prerequisites/Restrictions: None.

Calendar Description:

Informed by narrative literature on gender, race, sexuality, class and disability, this course examines qualities, criticisms and theories of resilience as they relate to Aboriginal Education. Diverse First Nations, Métis and Inuit paradigms of resilience are examined to question hegemonic practices in education in relation to tensions, anxieties and crucial turning points in the lives of individuals, families and communities.

Rationale: This course examines Aboriginal epistemologies and frameworks in discourses on resilience and education both to complement the Educational Foundations Master of Education program which focuses on the foundations of social and ecological justice education and to be available as an elective to students in other College of Education and campus graduate programs.

Contact person: karla.jwilliamson@usask.ca

Approval: Graduate Academic Affairs Committee, April 12, 2012

EFDT 884.3 – Life History as Education

Prerequisites/Restrictions: Admission to the College of Graduate Studies and Research

Calendar Description:

Examines life history research and life history writing from feminist, critical race theory, critical pedagogy, and cultural studies perspectives in relation to educational inquiry. Through the study of memoir, autobiography, auto-ethnography, and contemporary fiction, the construction of identities in diverse social and political contexts is investigated.

Rationale:

The development of an on-line course that cuts across the thematic foci of the Department (e.g. Adult and Lifelong Learning and Critical Environmental Education) allows the Department to offer its M.Ed. program in a blended delivery model (on-campus summer courses and on-line courses) to cohorts of student with a particular study focus. This innovation in delivery has allowed us to increase graduate student enrolment dramatically (by 50% since 2007-08).

Contact person: Dianne.miller@usask.ca

Approval: Graduate Academic Affairs Committee, April 12, 2012

Nursing

New Graduate Course

NURS 818.3 – Statistical Methodology in Nursing

Prerequisites/Restrictions: An undergraduate statistics course or by permission of the instructor.

Calendar Description: This course will assist student to apply commonly used intermediate statistical method as consumers of literature or as researchers. It will introduce selected epidemiologic statistics, parametric and non-parametric inferential tests, power analysis, analysis

of variance and simple regression analyses. Applied statistics in health care and program evaluation will be emphasized.

Rationale:

This course will assist student to apply commonly used intermediate statistical method as consumers of literature or as researchers. It will introduce selected epidemiologic statistics, parametric and non-parametric inferential tests, power analysis, analysis of variance and simple regression analyses. Applied statistics in health care and program evaluation will be emphasized.

NOTE: Students cannot obtain credit for NURS 818 and CHEP 805 or PUBH 805.

Consulted with: School of Public Health, College of Education, Department of Mathematics and Statistics

Contact person: ~~murray.fulton@usask.ca~~ CORRECTION: Donna.Goodridge@usask.ca

Approval: Graduate Academic Affairs Committee, March 8, 2012

Johnson Shoyama Graduate School of Public Policy

New Graduate Courses

JSGS 831.3 – Public Management Seminar

Prerequisites/Restrictions: Admission into the Master of Public Administration (M.P.A.) program, Master of Public Policy (M.P.P.) program, Ph.D. program, or by permission of the instructor.

Calendar Description: The course examines the principles underlying the application of selected aspects of public management and examines ways in which governments apply the principles. The course compares approaches of different governments and examines some specific applications and strives to develop in students the competencies required of public servants.

Rationale:

This is an existing course at the school's U of R campus. The JSGS is a provincial school and student in our programs are eligible to take courses at either campus. Previously, SUGA was the process that made this possible, however; it is a cumbersome process. In discussions with CGSR and the Registrar's Office, it was decided that the school would create a single suite of courses under a common subject code that would be in the Course Calendars at both universities. This course is being added at the U of S for this reason similar to the process in early 2011.

Contact person: murray.fulton@usask.ca

Approval: Graduate Academic Affairs Committee, March 8, 2012

JSGS 860.3 – Health Systems Research Methods

Prerequisites/Restrictions: Admission into the Master of Public Administration (M.P.A.) program, Master of Public Policy (M.P.P.) program, Ph.D. program, or by permission of the instructor.

Calendar Description: This course in research methods as applied to the analysis of health systems will develop students' knowledge and skills in health systems research, including the criteria for formulating health system research problems and hypotheses, selecting the appropriate research design, conducting a systematic literature review, and methods of data collection and use.

Rationale:

This is an existing course at the school's U of R campus. The JSJS is a provincial school and student in our programs are eligible to take courses at either campus. Previously, SUGA was the process that made this possible, however; it is a cumbersome process. In discussions with CGSR and the Registrar's Office, it was decided that the school would create a single suite of courses under a common subject code that would be in the Course Calendars at both universities. This course is being added at the U of S for this reason similar to the process in early 2011.

Contact person: murray.fulton@usask.ca

Approval: Graduate Academic Affairs Committee, March 8, 2012

Soil Science**New Graduate Course****SLSC 821.3 – Remediation and Reclamation of Contaminated Sites**

Prerequisites/Restrictions: None.

Calendar Description: This course explains how one characterizes a contaminated site, the risks associated with that site, and identify remediation technologies that will mitigate the risks associated with the contaminated site. NOTE: Students cannot obtain credit for EVSC 421.3 and SLSC 821.3

Rationale:

This course was identified during our 2011 graduate program retreat and described in our graduate program review. It is intended to act as a course used by our M.Sc. students to cover a broad area of soil science.

Contact person: steven.siciliano@usask.ca

Approval: Graduate Academic Affairs Committee, March 8, 2012

Animal and Poultry Science**New Graduate Course****ANSC 840.3 – Feed Processing – Concepts and Realities**

Prerequisites/Restrictions: None.

Calendar Description: This course focusses on the concepts of why we use feed processing to add value to feed ingredients for livestock and a discussion of the reality of achieving consistent increase in feed value. Laboratories will include practical applications of why concepts may or may not consistently result in reality – improved feed value. One full day will be scheduled at the Canadian Feed Research Centre to obtain hands-on experience of feed processing using pilot line equipment.

Rationale:

The industry plays an important part of adding nutritional and nutraceutical value to feed materials not directly consumed by humans. These feed materials must be approved for use in animal diets and new ingredients must be demonstrated safe and efficacious before approval – understanding these regulatory concerns is an important part of the course.

Contact person: tom.scott@usask.ca

Approval: Graduate Academic Affairs Committee, March 8, 2012

Mathematics and Statistics
Graduate Course Modifications

MATH 814.6 credit unit reduction

From: MATH 814.6 – Numerical Solution of Ordinary and Partial Differential Equations

To: MATH 811.3 – Same title

Current Prerequisites/Restrictions: MATH 314 and 338; knowledge of a programming language.

Proposed Prerequisites/Restrictions: MATH 314 and MATH 338 or equivalents, or by permission of the instructor.

Rationale: The course was offered as a 3 cu Special Topics class in 201009. The reduction from 6 cu to 3 cu is thus achievable. This course attracted students from outside Mathematics and Statistics and also a graduate student from the University of Regina and is part of revisions of core graduate courses in the department.

MATH 863.3 title, prerequisite, and calendar description change

From: Algebra II

To: Noncommutative Algebra

Current Prerequisites/Restrictions: MATH 862.3

Proposed Prerequisites/Restrictions: None.

Current Calendar Description: Commutative algebra, multilinear algebra, non-commutative algebra.

Proposed Calendar Description: An introduction to noncommutative algebra at the graduate level. Topics will be chosen based on the needs and interests of the student, and will typically include: structure theory of noncommutative rings (finite- and infinite-dimensional), representation theory of finite groups, module theory, introduction to Lie algebras. NOTE: MATH 862.3 is not a prerequisite for this course.

Rationale: The current description and title are out of date and do not reflect the actual content of the course.

MATH 875.3 – Functional Analysis prerequisite and calendar description change

Current Prerequisites/Restrictions: None.

Proposed Prerequisites/Restrictions: MATH 371, MATH 373, and MATH 379 or equivalent

Current Calendar Description: The necessary theory of Banach Algebras and the functional calculus are developed for the spectral theorem for bounded self-adjoint operators on Hilbert space. Various applications and extensions presented.

Proposed Calendar Description: An introduction to functional analysis at the graduate level. Topics will include Normed and Banach spaces, Bounded linear operators, The Hahn-Banach Theorem, The Principle of Uniform Boundedness, The Open Mapping and Closed Graph Theorem, Weak and Weak topologies, Adjoint operators, Compact operators on Banach space, Hilbert spaces, Bounded linear operators on Hilbert spaces, Spectrum of operators on Hilbert spaces, Compact Normal operators.

Rationale: To reflect content changes.

MATH 876.3 title, prerequisite, and calendar change**From:** Banach Algebras and Spectral Theory**To:** Operator Theory**Current Prerequisites/Restrictions:** MATH 875 or equivalent.**Proposed Prerequisites/Restrictions:** MATH 371, MATH 373, and MATH 379 or equivalent**Current Calendar Description:** The necessary theory of Banach Algebras and the functional calculus are developed for the spectral theorem for bounded self-adjoint operators on Hilbert space. Various applications and extensions presented**Proposed Calendar Description:** An introduction to operator theory at the graduate level. Topics will include Banach algebras, Spectrum of an element in Banach algebras, Spectral radius, Analytic functional calculus, C-algebras of operators, Continuous and Borel functional calculus, Spectral measures.**Rationale:** To reflect content changes.**Contact Person:** Sotos@math.usask.ca**Approval:** Graduate Academic Affairs Committee, January 12, 2012**School of Public Health****Minor Program Revision****Master of Public Health – Change to Required Courses and Graduate Course Modifications**

Current Degree Requirements	Proposed Degree Requirements
<ul style="list-style-type: none"> • GSR 960.0 • GSR 961.0 if research involves human subjects • GSR 962.0 if research involves animal subjects • a minimum of 45 credit units, including the following: • PUBH 800.3 • PUBH 805.3 • PUBH 867.3 • PUBH 803.3 • AGMD 801.3 • PUBH 804.3 • PUBH 807.3 • PUBH 840.3 • PUBH 992.6 • PUBH 990.0 • GSSR 960.0 • 15 credit units of elective courses • No residency requirement. Program may be taken as either a full- or part-time student. 	<ul style="list-style-type: none"> • GSR 960.0 • GSR 961.0 if research involves human subjects • GSR 962.0 if research involves animal subjects • a minimum of 45 credit units, including the following: • PUBH 800.3 • PUBH 805.3 • PUBH 867.3 • PUBH 803.3 • PUBH 810.3 • PUBH 804.3 • PUBH 807.3 • PUBH 840.3 • PUBH 992.6 • PUBH 990.0 • GSSR 960.0 • 15 credit units of elective courses • No residency requirement. Program may be taken as either a full- or part-time student.

Rationale: Presently Occupational Health (AGMD 801) is of interest to some, but not all of our students in the MPH program. AGMD 801 has been revised (as noted in previous correspondence with the Committee) to concentrate much more on Occupational Health within the overall context of Environmental health.

As well, our accreditation body, the Council on Education for Public Health (CEPH), requires that all core classes be housed within the SPH. The previous version of AGMD 801 did not meet this requirement. The SPH will continue to offer AGMD 801 as an elective to MPH students. CEPH will permit course designations from outside the academic unit for elective course(s) provided that the unit is able to demonstrate the ability to offer the core required courses under its own administrative jurisdiction.

The core Environmental Public Health course (PUBH 810) is to be offered both terms (Fall and Winter), which will permit students to finish their core required courses in a timely manner so as to be able to do their practicum in the summer.

Students who take PUBH 810 in the 2012-13 academic year or after will be permitted to take AGMD 801 as an elective.

Consultation with: CCHSA, Dr. N. Koehncke

Graduate Course Modifications – Prerequisite Changes

Course	Current	Proposed
PUBH 809.3 – Field Epidemiology	CHEP 800 or equivalent	PUBH 800 or equivalent
PUBH 832.3 – Infectious Disease Epidemiology	An introductory course in epidemiology and an introductory course in microbiology or permission of the instructor	PUBH 800.3 or equivalent and an introductory course in microbiology or by permission of the instructor
PUBH 840.3 – Interdisciplinary Public Health Practice	PUBH 992, CHEP 800, PUBH 803, CHEP 805, PUBH 867, AGMD 801	PUBH 992, PUBH 800, PUBH 803, PUBH 805, PUBH 867, PUBH 810
PUBH 842.3 – Current Biostatistical Methods and Computer Applications	CHEP 805	PUBH 805 or equivalent
PUBH 844.3 – Chronic Disease Epidemiology	Epidemiology I (CHEP 800.3) or equivalent	PUBH 800.3 or equivalent
PUBH 845.3 – Clinical Epidemiology	Epidemiology I (CHEP 800.3) or equivalent	PUBH 800.3 or equivalent

Rationale: The prerequisites for several classes are changing. In particular, we wish to drop several CHEP classes in favour of PUBH classes. It is not acceptable to us to allow MPH students to pursue core classes in another department. The MPH is a practice oriented degree and we have developed our classes to be practice oriented. Indeed, PUBH 800 and 805, for example, are titled, Epidemiology for Public Health and Biostatistics for Public Health respectively. CHEP's classes are research oriented. While we have no doubts as to the quality of classes offered by CHEP and we have, in the past, recognized these classes since they were the only ones available, we wish MPH students to bring forward clinical practice oriented classes as opposed to research oriented ones. You will note that we continue to accept and use CHEP classes in our Biostatistics MSc and PhD programs as these are research oriented programs.

Contact Person: a.backman@usask.ca

Approval: Graduate Academic Affairs, April 12, 2012

Psychology

Minor Program Revisions and New Graduate Course

Change of Name to the Basic Behavioural Science Concentration for the M.A. and Ph.D. in Psychology

From: Basic Behavioural Science

To: Cognition and Neuroscience

Rationale:

The Department of Psychology proposes a name change for an existing M.A. and Ph.D. training stream in the Dept. of Psychology from "Basic Behavioural Science" to "Cognition & Neuroscience". The reasons for the change are as follows:

- 1) The BBS name fails to identify the actual content of the training stream, which specifically is training in cognitive science and neuroscience research.
- 2) The BBS label fails to attract the attention of students who are specifically interested in advanced degrees in cognitive science and/or neuroscience.
- 3) Faculty and graduate students associated with the stream have exclusively conducted cognition and/or neuroscience research for at least 12 years; in fact, all of our advertising distributed for many years uses Cognition & Neuroscience on the masthead.
- 4) The courses and comprehensive examination requirements that have been in place for many years were designed specifically for cognition and neuroscience students.

In summary, Cognition and Neuroscience is a far more appropriate name for our Ph.D, graduate stream than the uninformative and outdated "Basic Behavioural Science."

Consultation with: Department of Psychiatry

Contact person: Jamie.campbell@usask.ca

Approval: Graduate Programs Committee, April 3, 2012

Change of Required Courses for the Applied Social Psychology Concentration for the Ph.D. in Psychology and New Restricted Graduate Course

Rationale:

Objectives of the Program: The Department of Psychology offers an innovative graduate stream in Applied Social Psychology (ASP). This specific field of psychology is defined as social psychological theory, research, and professional practice dedicated to understanding social problems and improving social conditions. The stream in ASP was the first of its kind in Canada, and remains unique in Western Canada. Consequently, the knowledge and expertise provided by the ASP faculty to graduate students has been in high demand and graduates from our program are routinely sought after by numerous agencies and organizations across the country.

Need for Revisions: The proposed revision to the PhD curriculum in the Applied Social Psychology stream stem from faculty's recognition that our graduate students have diverse academic interests and career goals that would be best be met by increasing the flexibility in the curriculum. The revised curriculum was developed following consultation amongst faculty and students. The proposed changes to the PhD curriculum in ASP are designed to provide students with the opportunity to individualize their training to a greater degree by allowing more options in both course work and research experiences. Further, we do not have the faculty resources to offer one of the core courses in the current curriculum in our department (social policy) and thus have relied on other units having the capacity to accommodate our students. This is becoming increasingly more difficult. As such, we have decided it best to remove this component as a requirement and our students can access a social policy course as one of their electives if they desire and if they are able to be accommodated by another unit. The proposed changes do not alter the total credit units required for the degree.

Description of the Revisions: The two proposed changes to the PhD curriculum both serve to provide students with increased flexibility in order to better meet their academic interests and career goals. Specifically, our PhD students orient to one of two distinct research/career paths: (1) applied practitioner/researcher in community settings (e.g., program evaluation and consultation); (2) research in academic settings. The proposed PhD curriculum allows students, in consultation with their faculty advisor, to determine the mix of courses and supervised research experiences that will best facilitate their acquisition of knowledge and research skills. The current and revised curriculum for the ASP-Ph.D. stream are presented in Table 1.

CURRENT PH.D. CURRICULUM	PROPOSED PH.D. CURRICULUM
<ul style="list-style-type: none"> • Psy 864.3 Theory & Applied Issues in Soc Psy • Psy 865.3 Applied Research Designs • Soc 826.3 Social Policy • 6 c.u. Advanced Seminar/Elective • Psy 900 • Psy 902 Practicum (x2) • Psy 903 Internship • Psy 996 Dissertation 	<ul style="list-style-type: none"> • Psy 864.3 Theory & Applied Issues in Soc Psy • Psy 865.3 Applied Research Designs • 9 c.u. Advanced Seminar/Elective • Psy 900 • Psy 902 Practicum • Psy 903 Internship • One of Psy 902 Practicum or Psy 901 (Indiv Research) • Psy 996 Dissertation
Total of 15 credit units	Total of 15 credit units

New Graduate Course**PSY 901.0** [Individual Research]**Prerequisites/Restrictions:** Restricted to Ph.D. student in the Applied Social Psychology concentration**Calendar Description:** The student completes a defined empirical research project under the supervision of an individual faculty member.**Rationale:**

This course is being proposed in order to provide our students with diverse training and research options.

In the current PhD curriculum students must complete two (2) Psy 902 placements. These practicum placements, involving supervised field work in a community agency or organization, provide students with an opportunity to apply social-psychological knowledge, research methods and evaluation consultation skills within a community setting. While we believe that this is a core experience for PhD students in applied social psychology, we propose to amend the curriculum such that students will be required to complete one Psy 902 placement, and for their second placement they can choose, in consultation with their faculty advisor, either another community setting (Psy 902) or an academic setting (Psy 901).

Contact person: peter.grant@usask.ca**Approval:** Graduate Programs Committee, February 1, 2012**COLLEGE OF KINESIOLOGY****Program revision for combined Education/Kinesiology program:**

Adding KIN 380.3 as a required kinesiology class (for combined students) in light of the reduction of the required number of credit units in teaching area ii in the College of Education.

When the College of Education reduced their number of credit units for their Teaching Area II from 18 credit units to 15 credit units Kinesiology came to a deficiency of three credit units in the combined program. The College of Kinesiology is not prepared to reduce the total number of credit units in the combined program and therefore needed to redirect these three credit units. It was determined that in light of the 3 credit unit reduction in the required classes for the Teaching Area II that students in the combined program would be required to complete KIN 380.3 (Research Methods) as part of their Kinesiology Required classes. Total Credit Units required to complete a Combined Degree (Kinesiology and Education) will therefore remain at 174 credit units.

Proposed Change:

Outside Electives (18 cu-Teaching Area II) has been reduced to 15 credit units by the College of Education. These 3 credit units will be replaced by KIN 380.3 (Research Methods) as part of the Kinesiology required classes bringing the total credit units under Kinesiology required to 42 credit units. Total credit units to complete both degrees therefore remain at 174.

Approved by faculty on January 26, 2012