



Academic Programs Committee of Council

University Course Challenge

Scheduled posting: September 16, 2010

Contents:

Arts & Science

Humanities & Fine Arts: new course in Interdisciplinary Studies; Natural Sciences: course revisions in Geological Sciences; program revisions in Physics & Engineering Physics; Social Sciences: new course in Sociology

Approval:

Date of circulation: September 16, 2010

Date of effective approval if no Challenge received: September 30, 2010

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 October 2010.

College Submission Deadline	UCC Posting Date	Date of effective approval if no challenge received:
October 12	October 15	October 29

Urgent items can still be posted on request.

Arts & Science

The curricular revisions listed below were approved through the January – August 2010 Arts & Science College Course and Program Challenges and are now submitted for approval by University Course Challenge

Division of Humanities and Fine Arts

New Course

INTS 201.3 Dynamics of Community Involvement

2

This community service-learning (CSL) course introduces students to local community issues and organizations, exploring concepts related to community involvement in Saskatoon and beyond. The course combines traditional in-class learning with experiential, hands-on learning in the community. Practical experiences in the community will serve to expand students' academic knowledge of community involvement, and vice versa. Students will spend two hours per week in the classroom and will be placed with a local community-based organization for an additional two hours per week, except during Alternative Reading Week (ARW) in February, when they will participate in ARW activities. In lieu of a final exam, students will have the opportunity to work with University and community partners on a community project. This course is applicable to many disciplines and fields of study, and students will be encouraged to make links between their own academic interests and the course material.

Instructor(s): Nancy Van Styvendale; other interested instructors in Humanities or Social Sciences disciplines; Community Service-Learning Coordinator for the University Learning Centre (Phaedra Hitchings) will liaise with community-based organizations and coordinate student placements.

Rationale: Improves department's offerings in the field, reflects the research interests of the instructor and responds to student demands.

"Dynamics of Community Involvement" builds on the ongoing success of the Alternative Reading Week program, a community service-learning (CSL) initiative in which students are placed with community-based organizations in themed streams in the Saskatoon community (and beyond) during and around the February Reading Week. CSL is a model of experiential education with embedded components of community involvement and engaged learning; a crucial component of the ARW experience is students' critical reflection on issues relevant to the local and global communities of which they are a part. Through the experience, participants not only "serve" the community, but are served by it, as they come to understand better their own role as citizens. "Dynamics" aims to expand this experience, incorporating Alternative Reading Week as a mandatory component of the course and thus allowing students in the course to engage in community service-learning for University credit (rather than as a co-curricular activity). Through themed readings, discussions, assignments, community projects, and ongoing service hours throughout the term, students in the course deepen and expand the learning that occurs during ARW

"Dynamics" was offered as a Special Topics course in T2 of 2009 and 2010 with great success. As a permanent offering, the course will build on this success, contributing to the University's growing commitment to service-learning, as expressed in *The Foundational Document on Outreach and Engagement* (2006) and embodied in the sustained work of the

University Learning Centre in community service-learning programming, as well as the University's recent appointment of a Special Advisor to the Provost on Experiential Learning. "Dynamics" will thus participate in an ongoing institutional shift in pedagogical structure, building capacity for the widespread inclusion of service-learning in undergraduate degree programs at the University of Saskatchewan.

Students from a variety of disciplines in the Sciences and Social Sciences have taken the course over the past two years, and interest has been expressed by students in the Humanities as well. Interest from students outside the College is also in evidence, as word-of-mouth increases the course's growing momentum. As an expressly interdisciplinary course, "Dynamics" has been designed and implemented with the goal of bringing together students from a wide range of disciplinary backgrounds; this mix creates a unique learning experience which draws not only on students' own academic interests, but also on the discipline-specific knowledge of their peers, introducing students to ideas and perspectives they might not otherwise encounter. In this way, the course contributes to the current academic investment in interdisciplinary teaching, learning, and research.

Division of Science

Geological Sciences

Minor Course Revisions

GEOL 334.3 Gravity, Magnetism, Electromagnetism and Radiation Methods

Prerequisite Change

Old: CMPT 116 or 111 or 112; MATH 223 or 225 or 276; MATH 224 or 226 or 238; and PHYS 155 or 121 or 128

New: CMPT 116 or 111; MATH 223 or 225 or 276; MATH 224 or 226 or 238; (PHYS 115 and PHYS 117) or (PHYS 115 and 125) or PHYS 127 or PHYS 155

Rationale: Bookkeeping changes to reflect changes made to course offerings in CMPT and PHYS.

GEOL 335.3 Seismology and Ground Penetrating Radar Methods

Prerequisite Change

Old: CMPT 116 or 111 or 112; MATH 223 or 225 or 276; MATH 224 or 226 or 238; and PHYS 155 or 121 or 128

New: CMPT 116 or 111; MATH 223 or 225 or 276; MATH 224 or 226 or 238; (PHYS 115 and PHYS 117) or (PHYS 115 and 125) or PHYS 127 or PHYS 155

Rationale: Bookkeeping changes to reflect changes made to course offerings in CMPT and PHYS.

Physics & Engineering Physics

Program Revisions

Delete CHEM 250.3 from the list of Chemistry courses which could be used to fulfill the C1 Natural Science Requirement.

Other changes:

B.Sc. Four-year Program in Physics

C6 Major Requirements

Revisions to the list of requirements:

- **PHYS 230.1 or EP 229.3** (formerly PHYS 229)
- **PHYS 231.1 or EP 225.3**
- **PHYS 252.3**
- **PHYS 253.1**
- **PHYS 323.3 or EP 324.3**
- **PHYS 383.3**
- ~~EP 271.3~~
- ~~PHYS 251.3~~
- ~~PHYS 381.3~~

Revisions to the list of electives:

- **EP 271.3**
- ~~EP 324.3~~
- ~~EP 413.3~~
- ~~EP 414.3~~
- ~~PHYS 323.3~~
- **PHYS 353.2**
- **PHYS 354.2**
- ~~PHYS 404.3~~
- **PHYS 453.2**
- **PHYS 491.3**
- **PHYS 498.3**
- **PHYS 499.6**

C7 Electives Requirement

Revisions to the list of required cognate courses

~~18~~ **15** credit units)

- **MATH 223.3 or MATH 225.3 or MATH 276.3** (**MATH 223.3** recommended)
- **MATH 224.3 or MATH 226.3 or MATH 238.3** (**MATH 224.3** recommended)

Choose 3 Credit Units from the following:

- ~~STAT 241.3~~
- ~~STAT 245.3~~

Revised B.Sc. Three-year Program in Physics

C6 Major Requirements

Revisions to the list of requirements:

- **PHYS 230.1 or EP 229.3** (formerly PHYS 229)
- **PHYS 231.1 or EP 225.3**
- ~~PHYS 251.3~~
- **PHYS 252.3**
- **PHYS 253.1**
- ~~EP 271.3~~

Revisions to the list of electives:

- ~~EP 324.3~~
- **EP 421.3**
- **EP 431.3**
- **EP 464.3**
- **PHYS 323.3 or EP 324.3**
- **PHYS 353.2**
- **PHYS 354.2**
- ~~PHYS 381.3~~
- **PHYS 383.3**
- **PHYS 402.3**
- **PHYS 403.3**
- **PHYS 452.3**

- PHYS 453.2
- PHYS 461.3
- PHYS 470.3
- PHYS 471.3
- PHYS 481.3
- PHYS 482.3
- PHYS 498.3
- PHYS 499.6

C7 Electives Requirement

Revisions to the list of required cognate courses

9 6 credit units

- MATH 223.3 or MATH 225.3 or MATH 276.3 (**MATH 223.3 recommended**)
- MATH 224.3 or MATH 226.3 or MATH 238.3 (**MATH 224.3 recommended**)

Choose 3 Credit Units from the following:

- ~~MATH 264.3~~
- ~~MATH 266.3~~

Revised B.Sc. Double Honours Program in Physics and a Second Discipline

C6 Major Requirements

Revisions to the list of requirements:

- ~~EP 229.3 (formerly PHYS 229)~~
- ~~PHYS 251.3~~
- PHYS 252.3
- ~~PHYS 381.3~~
- PHYS 383.3
- ~~EP 225.3~~
- ~~EP 271.3~~

Revisions to the list of electives

- | | |
|--------------------------|-------------------------|
| • EP 271.3 | • PHYS 381.3 |
| • EP 324.3 | • PHYS 383.3 |
| • PHYS 230.1 or EP 229.3 | • PHYS 404.3 |
| • PHYS 231.1 or EP 225.3 | • PHYS 453.2 |
| • PHYS 253.1 | • PHYS 498.3 |
| • PHYS 304.3 | • PHYS 499.6 |
| • PHYS 323.3 or EP 324.3 | |

C7 Electives Requirement

Revisions to the list of required cognate courses

- MATH 223.3 or MATH 225.3 or MATH 276.3 (**MATH 223.3 recommended**)
- MATH 224.3 or MATH 226.3 or MATH 238.3 (**MATH 224.3 recommended**)

Rationale: Changes made to course offerings and the B.Sc. (Honours) program (approved by Academic Programs Committee of University Council in spring 2010) require revisions to required courses in our Four-year, Three-year and Double Honours programs.

Minor Course Revisions:

ASTR 411.3 Gravitation and Cosmology

Prerequisite Change

Old: PHYS 251; MATH 338, and at least 3 credit units in astronomy, or permission of the department.

New: Prerequisite: PHYS 251

Prerequisite or co-requisite: MATH 338

Rationale: Students will be able to be successful in the course whether MATH 338 is taken prior or concurrently. The discussion of cosmology in the course does not require previous knowledge of planetary or stellar astronomy, therefore requirement for “3 credit units in astronomy” is removed.

Division of Social Sciences

Sociology

New Course

SOC 347.3 Studies in Addictions

1 or 2

This course is an introduction to the study of addictions, with a specific focus on problematic alcohol and illicit drug use. It introduces students to basic concepts and debates in the addictions field concerning causes, consequences and interventions. Each is examined from four standpoints: the user, society/culture, service providers, and decision/policy makers. Students are invited to question how we know what we know, with an emphasis on the Canadian context. The addictions field is fraught with controversies. This course is designed to assist students with integrating their existing and acquired knowledge and applying it to current debates in a sociologically informed, public health contextualized, and understanding manner.

Instructor(s): Colleen Dell

Rationale: Improves department’s offerings in the field, reflects the research interests of the instructor and responds to student demands.

There is no social science addictions course offered on the U of S campus, other than a third year Women and Gender Studies course - "Women, Drugs and Addiction" (WGST 354), which counts as a social science or a humanities course.

The first two years that the course was offered as a Special Topics course proved to be very successful. There were 11 undergraduate students registered in the first year offering (was built as a course offering only in December, 2009 for a January, 2010 start), and 40 in the second year (with a waiting list).