



Academic Programs Committee of Council

University Course Challenge

Scheduled posting: February, 2020

The following types of curricular and program changes are approved by the University Course Challenge -- additions and deletions of courses, lower levels of study and program options; straightforward program changes; and curricular changes which affect other colleges.

Contents include submissions for information and approval from the following colleges:

College of Arts and Science
College of Graduate and Postdoctoral Studies

Approval: Date of circulation: February 13, 2020
 Date of effective approval if no challenge received: February 28, 2020

Next scheduled posting:

The next scheduled posting will be March 16, 2020, with a submission deadline **March 12, 2020**. Urgent items can be posted on request.

Please direct challenges to both of the following: seanine.warrington@usask.ca in Registrarial Services and amanda.storey@usask.ca in the Office of the University Secretary.

University Course Challenge – February 2020

The curricular revisions listed below were approved through the Arts & Science College Course and Program Challenge, and by the relevant college-level Academic Programs Committee, and are now submitted to the University Course Challenge for approval.

Contact: Alexis Dahl (alexis.dahl@usask.ca)

Biomedical Neuroscience

Minor course revisions

NEUR 301.3 Fundamental Neuroscience Intercellular Communication

Prerequisite change:

Old prerequisite(s): PHSI 208.6, or permission of the instructor.

New prerequisite(s): PHSI 208.6 or BMSC 207.3 or BIOL 317.3 or permission of the instructor

Rationale: The introduction to cellular physiology and the nervous system that was previously covered in the first section PHSI 208.6 will be covered in BMSC 207.3. The cellular physiology and nervous system content are what is built upon in NEUR 301.3 and NEUR 350.3 and therefore is considered the prerequisite. The material covered in BMSC 208.3 is respiratory, renal, gastrointestinal and reproductive content that is not necessary to succeed in PHPY 301.3 and NEUR 350.

BIOL 224 does not contain the nervous system content necessary for students to succeed in the course.

BIOL 224 contains approximately 6 hours of nervous system content where as BMSC 207.3 will contain approximately 16 hours.

BIOL 317 contains an increased amount of nervous system content comparable to what will be covered in BMSC 207.3 and therefore is considered an alternative prerequisite.

NEUR 334.3 Introductory Neuroanatomy

Prerequisite change:

Old prerequisite(s): BIOL 224.3 or PHSI 208.6; Prerequisite(s) or Co-requisite(s): ACB 310.3

New prerequisite(s): ACB 310; or NEUR 301 and NEUR 350

Change to Note:

Old Note: Students with credit for ACB 234 (discontinued course), DENT 293, or MED 108 cannot take ACB 334 for credit.

New Note: NEUR 350 may be taken concurrently with permission of the instructor. Students in the Biomedical Neuroscience major will be given preferential access to register in this course.

Rationale: BIOL 224.3 and PHSI 208.6 (now BMSC 207.3 and 208.3) are removed as they are the prerequisites for ACB 310 (Basic Human Anatomy).

NEUR 301 (Fundamental Neuroscience Intercellular Communication) and NEUR 350 (Fundamental Neuroscience) provide an alternate pathway into this course for students in programs where ACB 310 is not required.

NEUR 350.3 Fundamental Neuroscience

Prerequisite change:

Old prerequisite(s): BIOL 224.3 or PHSI 208.6, or permission of the instructor.

New prerequisite(s): BMSC 207.3 or BIOL 317.3, or permission of the instructor.

Rationale: The introduction to cellular physiology and the nervous system that was previously covered in the first section of PHSI 208.6 will be covered in BMSC 207.3. The cellular physiology and nervous system content are what is built upon in NEUR 301.3 and NEUR 350.3 and therefore is considered the prerequisite. The material covered in BMSC 208.3 is respiratory, renal, gastrointestinal and reproductive content that is not necessary to succeed in NEUR 301.3 and NEUR 350.

BIOL 224 does not contain the nervous system content necessary for students to succeed in the course.

BIOL 224 contains approximately 6 hours of nervous system content where as BMSC 207.3 will contain approximately 16 hours. Including BIOL 317 as an option will continue to allow Biology students access to this course.

Biomedical Science

Minor course revisions

BMSC 207.3 Human Body Systems I

Prerequisite change:

Old prerequisite(s): BIOL 120.3 and CHEM 112.3

New prerequisite(s): BIOL 120.3

Change to Note:

Old Note: Recommended prerequisite: BMSC 200.3; Formerly: PHSI 208; HSC 208; PHSI 212; BMSC 200.3 is recommended. Students with credit for PHSI 208.6 or HSC 208.6 will not receive credit for this course. Students will be able to receive credit for both BIOL/BMSC 224.3 and BMSC 207.3.3 only if BIOL/BMSC 224.3 is completed first. The two courses may not be taken concurrently.

New Note: BMSC 200.3 is recommended. Students with credit for PHSI 208.6 or HSC 208.6 will not receive credit for this course. Students will be able to receive credit for both BIOL/BMSC 224.3 and BMSC 207.3 if they are taken concurrently or BIOL 224.3 is taken first.

Rationale: The department currently signs approximately 40 prerequisite waivers for this course each year, for students who do not need CHEM 112 as part of their program (mainly from Kinesiology). This change will remove this administrative work. Students will still need CHEM 112 to complete a BMSC program, but it is not absolutely necessary that students complete that course prior to taking BMSC 207.

Engineering Physics

Minor course revision

EP 370.3 Heat Kinetic Theory and Thermodynamics

Remove lab component (currently 1.5 hours per week), and revise evaluation:

Current evaluation: Assignments 10%, Lab 20%, Midterm 20%, Final Exam 50%

Proposed evaluation: Assignments 20%, Midterm 30%, Final Exam 50%

Rationale: This change is proposed to address an ongoing issue with the difficulty and large number of required credits in the third year of the Engineering Physics program, which affects student retention. The first term is currently very heavy on practical labs (EE 321, EP 352, and EP 370). Removing the EP 370 labs will relieve a considerable amount of both scheduled time in the lab and homework time for the students, and as the labs were not tightly linked to the lecture material, the impact on learning outcomes will be very small.

The curricular revisions listed below were approved through the Arts & Science College Course and Program Challenge, and by the relevant college-level Academic Programs Committee, and are now submitted to the University Course Challenge for information.

Cellular, Physiological and Pharmacological Sciences

Minor course revisions

PHPY 302.3 Human Physiology Transport Systems

PHPY 303.3 Human Physiology Reproduction Growth and Energy Homeostasis

Prerequisite change:

Old prerequisite(s): PHSI 208.6, or permission of the instructor.

New prerequisite(s): BMSC 208 or BIOL 318 or permission of the instructor.

Rationale: Together BIOL 317.3 and BIOL 318.3 cover the necessary organ system content to succeed in PHPY 302.3 and PHPY 303.3 and are considered alternative prerequisites to BMSC 207.3 and BMSC 208.3.

PHPY 304.3 Pharmacology I

Prerequisite change:

Old prerequisite(s): BIOL 224.3 or PHSI 208.6, or permission of the instructor.

New prerequisite(s): BMSC 208.3 or BIOL 318.3 or permission of the instructor.

Rationale: Data indicated that students with only BIOL 224 were disadvantaged. This change will still allow biology students to take this course without having to take the BMSC prerequisites.

Environment & Society

Minor course revision

GEOG 333.3 Global Climate Change

Add the SCIE attribute to this course, in addition to the SOCS attribute.

Rationale: This course consists of the science of climate change and social impacts of climate change. As such, the content is better reflected by a joint designation.

College of Graduate and Postdoctoral Studies, February 2020 University Course Challenge Proposal

The following changes have been approved by the College of Graduate and Postdoctoral Studies and are now being submitted for approval:

New Course Proposals

GEOG 825.3: Process-based Hydrological Modeling

This course will provide the understanding and tools necessary to develop and apply hydrological models across a broad range of landscapes. Students will learn how to represent process understanding in hydrological understanding, how to devise meaningful model experiments, and how to evaluate experiments in a systematic way.

Instructor: Martyn Clark, PhD

Rationale: To cover the extent to which emerging theories of hydrological behaviours are included in models, the work that is required to advance the physical realism of models, and the underlying model assumptions that can affect model assumptions.

Approved by CGPS January 17, 2020

KIN 822.3: Sensorimotor Control of Posture and Locomotion

This course will include an in-depth overview of the sensorimotor control of human movement with a focus on posture and locomotion. The course will include hands-on data collection and interpretation as well as student-led presentations and discussions, and written reports to understand the motor control, sensory feedback, and sensorimotor integration involved in the control of standing and walking.

Prerequisite: KIN 322.3 or permission of the instructor

Instructor: Alison Oates, PhD

Rationale: The course will serve as a foundation for graduate student studying human balance control and/or sensorimotor control of movement.

For Information

Minor Program Modifications

Juris Doctor (J.D.) and Master of Business Administration (M.B.A.) Combined Degree

Degree Requirements

- GPS 960.0
- GPS 961.0, if research involves human subjects
- GPS 962.0, if research involves animal subjects
- LAW ~~201.6~~202.5
- LAW ~~204.6~~203.5
- LAW ~~208.6~~210.5
- LAW ~~212.6~~211.5
- LAW ~~231.3~~230.5
- ~~LAW 233.3~~-LAW 232.3

- ~~LAW 243.0~~ LAW 245.2
- LAW 244.0
- ~~LAW 326.3 or LAW 361.3 or LAW 463.3~~
- LAW 340.3
- LAW 421.3 or LAW 497.3
- LAW 308.3, LAW 313.3, LAW 422.3, 436.3 or LAW 447.3 or LAW 453.3 or LAW 473.3, LAW 479.3, or LAW 480.3 or equivalent as approved by the Associate Dean Academic, College of Law
- LAW 430.3
- LAW 439.3
- LAW 467.3
- MBA 803.3
- MBA 819.3
- MBA 825.3
- MBA 828.3
- MBA 829.3
- MBA 830.3
- MBA 846.3
- MBA 865.3
- MBA 870.3
- MBA 878.3
- MBA 885.3
- MBA 889.3
- MBA 992.3
- an additional 33 credit units of LAW course work

Rationale for program change

In November 2017 and November 2018, the JD program requirements were modified to address commitments to indigenizing curriculum in the JD program. The combined program requirements are being modified to address the oversight with the stand alone JD program being updated.
