



Academic Programs Committee of Council

University Course Challenge

Scheduled posting: January, 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 Education
College of Engineering
College of Graduate and Postdoctoral Studies
College of Pharmacy and Nutrition

Approval: Date of circulation: January 16, 2020
 Date of effective approval if no challenge received: January 31, 2020

Next scheduled posting:

The next scheduled posting will be February 13, 2020, with a submission deadline **February 11, 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 – January 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 information.

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

Music Education

Minor program revisions

[Bachelor of Music Honours \(Music Education\) \(B.Mus.\(Mus.Ed.\)\) - Secondary](#)

[Bachelor of Music \(Music Education\) \(B.Mus.\(Mus.Ed.\)\) - Secondary](#)

G1 Academic Courses (30 credit units)

- INDG 107.3

English Language Writing

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

- ENG 110.6
- ENG 111.3
- ENG 112.3
- ENG 113.3
- ENG 114.3
- ENG 120.3

Quantitative Reasoning

Choose **3 credit units** from the following:

- MATH 100.3
- **MATH 101.3**
- MATH 102.3
- MATH 104.3
- MATH 110.3
- MATH 121.3
- MATH 123.3
- MATH 125.3
- **MATH 150.3**
- **MATH 163.3**
- MATH 164.3
- STAT 103.3
- STAT 244.3
- STAT 246.3
- **PSY 233.3**
- SOC 225.3

Choose **3 credit units** from the following:

- any course approved for credit in Arts & Science, excluding EMUS, MUAP, or MUS courses

Please note: MUS 111.3 is acceptable to fulfill this requirement.

Choose **15 credit units** from the following:

A subject that is chosen to be Teaching Area II

It is recommended that students contact the Undergraduate Student Office for advice on choosing courses for this teaching area.

Note: If any of the required academic courses are part of the chosen Teaching Area II, they will be used for the Teaching Area and replaced with an additional course(s) approved for credit in Arts and Science.

(G1 Teaching Area 2) - Biology (15 credit units)

(G1 Teaching Area 2) - Chemistry (15 credit units)

(G1 Teaching Area 2) - Drama (15 credit units)

(G1 Teaching Area 2) - English Language Arts (12 credit units)

(G1 Teaching Area 2) - Mathematics (15 credit units)

Note: Students must complete the following as prerequisites for this Teaching Area: Mathematics B30 and C30 and a 60% score in the Math Placement Test; or Pre-Calculus 30 and a 60% score in the Math Placement Test; or MATH 102 or MATH 104.

~~Complete the following **3 credit unit** junior level Mathematics course:~~

- MATH 110.3 or MATH 176.3

~~Choose **3 credit units** from the following junior level Mathematics or Statistics courses:~~

- MATH 116.3 or MATH 177.3
- ~~STAT 103.3~~

Choose 3 credit units from the following Statistics courses:

- STAT – 100-Level, 200-Level, 300-Level or 400-Level
- PLSC 214.3
- PSY 233.3
- PSY 234.3
- SOC 225.3
- SOC 325.3

**The [Statistics Course Regulations](#) as determined by the College of Arts and Science are followed for the B.Ed. program.*

Choose **6 credit units** from the following ~~senior-level~~ Mathematics or Statistics courses:

- MATH — 200-Level, 300-Level, 400-Level
- STAT — 200-Level, 300-Level, 400-Level
- MATH 163.3
- MATH 164.3

~~Choose **3 credit units** from the following senior-level Mathematics or Statistics courses:~~

- ~~• MATH — 300-Level, 400-Level~~
- ~~• STAT — 300-Level, 400-Level~~

(G1 Teaching Area 2) - Modern Languages (15 credit units)

(G1 Teaching Area 2) - Indigenous Studies (15 credit units)

(G1 Teaching Area 2) - Physical Education (12 credit units)

(G1 Teaching Area 2) - Physics (15 credit units)

(G1 Teaching Area 2) - Social Sciences/Social Studies (15 credit units)

(G1 Teaching Area 2) - Visual Arts (15 credit units)

Rationale: Changes to the Quantitative Reasoning List are being made to include additional MATH classes which are eligible for use in this requirement, and are eligible to be counted as a “mathematics or statistics” course in the College of Education.

Updates to the Mathematics Teaching Area 2 match the revisions approved for Education through the December 2019 University Course Challenge.

Studio Art

Course split

ART 211.6 Painting and Related Work II

into

ART 222.3 Painting and Related Work II A

1/2 (3 Studio hours) Continued identification of concepts and methods as they relate to the expression, structure, media and skills of pictorial art. Students may experiment with painting media and work from any subject matter. Students must acquaint themselves with the materials of their craft and its correct use in producing technically sound works of art. Emphasizes the student's artistic growth and development.

Prerequisite(s): ART 111.6

Note: Painting students must provide their own painting materials. Students with credit for ART 271, 272, or 211 may not take ART 222 for credit.

and

ART 223.3 Painting and Related Work II B

1/2 (3 Studio hours) Continued identification of concepts and methods as they relate to the expression, structure, media and skills of pictorial art. Students may experiment with painting media and work from any subject matter. Students must acquaint themselves with the materials of their craft and its correct use in producing technically sound works of art. Emphasizes the student's artistic growth and development.

Prerequisite(s): ART 222.3

Note: Painting students must provide their own painting materials. Students with credit for ART 271, 272, or 211 may not take ART 223 for credit.

Rationale: The university's upgrade to a new version of Banner removes support for registration in multi-term courses, making it difficult for departments to manage offering such courses to a broad range of students.

ART 222.3 and 223.3 replace ART 211.6 in all programs. (Students may choose to take only one of the two courses.)

**ART 212.6 Drawing and Related Work II
into**

ART 220.3 Drawing and Related Work II A

1/2 (3 Studio hours) Continued identification of concepts and methods as they relate to visual perception and expression through drawing, compositional design, graphic media and skills. Use of diverse media coupled with invented and observed form is encouraged.

Prerequisite(s): ART 112.6

Note: Drawing students must provide their own drawing materials. Students with credit for ART 212, ART 281 or ART 282 may not take ART 220 for credit.

and

ART 221.3 Drawing and Related Work II B

1/2 (3 Studio hours) Continued identification of concepts and methods as they relate to visual perception and expression through drawing, compositional design, graphic media and skills. Use of diverse media coupled with invented and observed form is encouraged.

Prerequisite(s): ART 220.3

Note: Note: Drawing students must provide their own drawing materials. Students with credit for ART 212, ART 281 or ART 282 may not take ART 221 for credit.

Rationale: See ART 211.6 above.

ART 220.3 and 221.3 replace ART 212.6 in all programs. (Students may choose to take only one of the two courses.)

**ART 311.6 Painting and Related Work III
into**

ART 322.3 Painting and Related Work III A

1/2 (3 Studio hours) Continued identification of concepts and methods as they relate to the expression, structure, media and skills of pictorial art. Students may experiment with painting media and work from any subject matter. Students must acquaint themselves with the materials of their craft and its correct use in producing technically sound works of art. Emphasizes the student's artistic growth and development.

Prerequisite(s): ART 223.3

Note: Painting students must provide their own painting materials. Students with credit for ART 311, 371 or 372 may not take ART 322 for credit.

and

ART 323.3 Painting Related Work III B

1/2 (3 Studio hours) Continued identification of concepts and methods as they relate to the expression, structure, media and skills of pictorial art. Students may experiment with painting media and work from any subject matter. Students must acquaint themselves with the materials of their craft and its correct use in producing technically sound works of art. Emphasizes the student's artistic growth and development.

Prerequisite(s): ART 322.3

Note: Painting students must provide their own painting materials. Students with credit for ART 311, 371 or 372 may not take ART 323 for credit.

Rationale: See ART 211.6 above.

ART 322.3 and 323.3 replace ART 311.6 in all programs. (Students may choose to take only one of the two courses.)

**ART 312.6 Drawing and Related Work III
into**

ART 320.3 Drawing and Related Work III A

1/2 (3 Studio hours) Continued identification of concepts and methods as they relate to visual perception and expression through drawing, compositional design, graphic media and skills. Use of diverse media coupled with invented and observed form is encouraged.

Prerequisite(s): ART 221.3

Note: Drawing students must provide their own drawing materials. Students with credit for ART 312, ART 381, or ART 382 may not take ART 320 for credit.

and

ART 321.3 Drawing and Related Work III B

1/2 (3 Studio hours) Continued identification of concepts and methods as they relate to visual perception and expression through drawing, compositional design, graphic media and skills. Use of diverse media coupled with invented and observed form is encouraged.

Prerequisite(s): ART 221.3

Note: Drawing students must provide their own drawing materials. Students with credit for ART 312, ART 381, or ART 382 may not take ART 321 for credit.

Rationale: See ART 211.6 above.

ART 320.3 and 321.3 replace ART 312.6 in all programs. (Students may choose to take only one of the two courses.)

**ART 313.6 Printmaking III
into****ART 326.3 Printmaking III A**

1/2 (3 Studio hours) Explores the conceptual, expressive and technical processes of all areas of printmaking, including digital media. Advanced concepts and processes are all part of choices students can make concentrating in two or more distinct areas of printmaking.

Prerequisite(s): ART 213.6 or ART 251.3

Note: Costs in addition to tuition may apply to this course. Students with credit for ART 313 may not take ART 326 for credit.

and

ART 327.3 Printmaking III B

1/2 (3 Studio hours) Continuation of the exploration of the conceptual, expressive and technical processes of all areas of printmaking, including digital media. Advanced concepts and processes are all part of choices students can make concentrating in two or more distinct areas of printmaking.

Prerequisite(s): ART 326.3

Note: Costs in addition to tuition may apply to this course. Students with credit for ART 313 may not take ART 327 for credit.

Rationale: See ART 211.6 above.

ART 326.3 and 327.3 replace ART 313.6 in all programs. (Students may choose to take only one of the two courses.)

**ART 411.6 Painting and Related Work IV
into****ART 472.3 Painting and Related Work IV A**

1/2 (3 Studio hours) Continued identification of concepts and methods as they relate to the expression, structure, media and skills of pictorial art. Students may experiment with painting media and work from any subject matter. Students must acquaint themselves with the materials of their craft and its correct use in producing technically sound works of art. Emphasizes the student's artistic growth and development.

Prerequisite(s): ART 323.3

Note: Painting students must provide their own painting materials. Students with credit for ART 411 may not take ART 472 for credit.

and

ART 473.3 Painting and Related Work IV B

1/2 (3 Studio hours) Continued identification of concepts and methods as they relate to the expression, structure, media and skills of pictorial art. Students may experiment with painting media and work from any subject matter. Students must acquaint themselves with the materials of their craft and its correct use in producing technically sound works of art. Emphasizes the student's artistic growth and development.

Prerequisite(s): ART 323.3

Note: Painting students must provide their own painting materials. Students with credit for ART 411 may not take ART 473 for credit.

Rationale: See ART 211.6 above.

ART 472.3 and 473.3 replace ART 411.6 in all programs. (Students may choose to take only one of the two courses.)

**ART 412.6 Drawing and Related Work IV
into**

ART 470.3 Drawing and Related Work IV A

1/2 (3 Studio hours) Continued identification of concepts and methods as they relate to visual perception and expression through drawing, compositional design, graphic media and skills. Use of diverse media coupled with invented and observed form is encouraged.

Prerequisite(s): ART 321.3

Note: Drawing students must provide their own drawing materials. Students with credit for ART 412 may not take ART 470 for credit.

and

ART 471.3 Drawing and Related Work IV B

1/2 (3 Studio hours) Continued identification of concepts and methods as they relate to visual perception and expression through drawing, compositional design, graphic media and skills. Use of diverse media coupled with invented and observed form is encouraged..

Prerequisite(s): ART 321.3

Note: Drawing students must provide their own drawing materials. Students with credit for ART 412 may not take ART 470 for credit.

Rationale: See ART 211.6 above.

ART 470.3 and 471.3 replace ART 412.6 in all programs. (Students may choose to take only one of the two courses.)

**ART 413.6 Printmaking IV
into**

ART 476.3 Printmaking IV A

1/2 (3 Studio hours) Exploration at an advanced level of the conceptual, expressive and technical means of four major print methods: Etching, Lithography, the Relief Print and Serigraphy and related photographic and digital methods. Through familiarity with the craft of traditional print methods as well as experimentation will be encouraged.

Prerequisite(s): ART 327.3

Note: Costs in addition to tuition may apply to this course. Students with credit for ART 413 may not take ART 476 for credit.

and

ART 477.3 Printmaking IV B

1/2 (3 Studio hours) Continuation of the exploration at an advanced level of the conceptual, expressive and technical means of four major print methods: Etching, Lithography, the Relief Print and Serigraphy and related photographic and digital methods. Through familiarity with the craft of traditional print methods as well as experimentation will be encouraged.

Prerequisite(s): ART 476.3

Note: Costs in addition to tuition may apply to this course. Students with credit for ART 413 may not take ART 477 for credit.

Rationale: See ART 211.6 above.

ART 476.3 and 477.3 replace ART 413.6 in all programs. (Students may choose to take only one of the two courses.)

**ART 421.6 Special Studies Painting and Related Work I
into**

ART 484.3 Special Studies Painting and Related Work I A

1/2 (3 Studio hours) Emphasizes the student's independent artistic growth and development in painting.

Prerequisite(s): ART 472.3 and ART 473.3

Note: Painting students must provide their own painting materials. Students with credit for ART 421 or 474 may not take ART 484 for credit.

and

ART 485.3 Special Studies Painting and Related Work I B

1/2 (3 Studio hours) Emphasizes the student's independent artistic growth and development in painting.

Prerequisite(s): ART 472.3 and ART 473.3

Note: Painting students must provide their own painting materials. Students with credit for ART 421 or 474 may not take ART 485 for credit.

Rationale: See ART 211.6 above.

ART 484.3 and 485.3 replace ART 421.6 in all programs. (Students may choose to take only one of the two courses.)

ART 422.6 Special Studies Drawing and Related Work I into

ART 480.3 Special Studies Drawing and Related Work I A

1/2 (3 Studio hours) Emphasizes the student's independent growth and development as it relates to drawing.

Prerequisite(s): ART 470.3 and ART 471.3

Note: Drawing students must provide their own drawing materials. Students with credit for ART 422 may not take ART 480 for credit.

and

ART 481.3 Special Studies Drawing and Related Work I B

1/2 (3 Studio hours) Emphasizes the student's independent growth and development as it relates to drawing.

Prerequisite(s): ART 470.3 and ART 471.3

Note: Drawing students must provide their own drawing materials. Students with credit for ART 422 may not take ART 481 for credit.

Rationale: See ART 211.6 above.

ART 480.3 and 481.3 replace ART 422.6 in all programs. (Students may choose to take only one of the two courses.)

ART 431.6 Special Studies Painting and Related Work II become into

ART 486.3 Special Studies Painting and Related Work II A

1/2 (3 Studio hours) Emphasizes the student's independent artistic growth and development in painting.

Prerequisite(s): ART 484.3 and ART 485.3

Note: Painting students must provide their own painting materials. Students with credit for ART 431 or 475 may not take ART 486 for credit.

and

ART 487.3 Special Studies Painting and Related Work II B

1/2 (3 Studio hours) Emphasizes the student's independent artistic growth and development in painting.

Prerequisite(s): ART 484.3 and ART 485.3

Note: Painting students must provide their own painting materials. Students with credit for ART 431 or 475 may not take ART 487 for credit.

Rationale: See ART 211.6 above.

ART 486.3 and 487.3 replace ART 431.6 in all programs. (Students may choose to take only one of the two courses.)

ART 432.6 Special Studies Drawing and Related Work II into

ART 482.3 Special Studies Drawing and Related Work II A

1/2 (3 Studio hours) Emphasizes the student's independent growth and development as it relates to drawing.

Prerequisite(s): ART 480.3 and ART 481.3

Note: Drawing students must provide their own drawing materials. Students with credit for ART 432 may not take ART 482 for credit.

and

ART 483.3 Special Studies Drawing and Related Work II B

1/2 (3 Studio hours) Emphasizes the student's independent growth and development as it relates to drawing.

Prerequisite(s): ART 480.3 and ART 481.3

Note: Drawing students must provide their own drawing materials. Students with credit for ART 432 may not take ART 483 for credit.

Rationale: See ART 211.6 above.

ART 482.3 and 483.3 replace ART 432.6 in all programs. (Students may choose to take only one of the two courses.)

College of Graduate and Postdoctoral Studies, January 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:

Minor Program Modifications

Master of Public Administration

Degree Requirements

Students in the M.P.A. program must achieve a minimum of 70% in each course to earn course credit and progress through program completion.

- GPS 960.0
- GPS 961.0, if research involves human subjects
- GPS 962.0, if research involves animal subjects
- JSGS 990.0

A minimum 36 credit units, including the following:

- JSGS 801.3
- JSGS 802.3
- JSGS 805.3
- JSGS 806.3
- JSGS 807.3
- JSGS 808.3
- JSGS 838.3
- ~~JSGS 880.3~~
- JSGS 882.3
- JSGS ~~883.1~~891.3
- JSGS ~~884.2~~892.3
- a minimum 6 credit units electives. Elective courses taken outside of JSGS course offerings require approval of the Graduate Chair.

JSGS 891.3: Public Policy Professionalism

This pass/fail course provides students with an introduction to the three MPA competency fields, and the overarching areas of knowledge required of policy professionals. It will also provide introductory classes on Canadian institutions, public sector processes, basic policy making skills, public servants' roles and responsibilities and introduce the final MPA capstone project which will be presented at the end of the MPA program as part of JSGS 892 which is taken in the last semester of the program.

Instructor: Murray Fulton, PhD

Note: Students with credit for JSGS 883 may not receive credit for this course

JSGS 892.3: MPA Capstone Class

This course requires the development, submission, presentation and validation of a capstone report and presentation at the end of the student's MPA program. The Capstone Project provides students the opportunity to apply the theory and practice gained in the MPA program to a policy/management problem that was chosen in consultation with the JSGS 891 course instructor.

Instructor: Murray Fulton, PhD

Note: Students with credit for JSGS 884 may not receive credit for this course.

Rationale for MPA program changes

An important feature of the MPA program since its revision in 2015 is the focus on competencies. The 2015 program revision resulted in the introduction of six core competencies (which were further broken down into 21 sub-competencies). While the focus on competencies has been a very useful change to the MPA program, it has become clear that a better understanding of the competencies by students was required. To provide a usable framework for our students to track their progress and for faculty to more accurately describe what they see as important learning outcomes, we would like to re-focus the competencies around policy professionalism. Such a focus is more closely aligned with the curriculum's primary goals of developing career-ready policy professionals.

Approved by CGPS December 11, 2019

Epidemiology

Ph.D.

Degree Requirements

Students must maintain continuous registration in the 996 course.

- GPS 960.0
- GPS 961.0, if research involves human subjects
- GPS 962.0, if research involves animal subjects

A minimum of 15 credit units coursework, including the following:

- 3 credit units from electives appropriate to student's research
- ~~3-6~~ credit units from epidemiology-specific elective courses
- PUBH 842.3
- ~~PUBH 843.3~~
- PUBH 846.3
- PUBH 990.0
- PUBH 996.0
- comprehensive examination after course work is completed
- thesis defence

Transfer from Master's to Ph.D.

Degree Requirements

Students must maintain continuous registration in the 996 course.

- GPS 960.0
- GPS 961.0, if research involves human subjects
- GPS 962.0, if research involves animal subjects

A minimum of 24 credit units coursework, including the following:

- ~~3~~6 credit units from epidemiology-specific elective courses
- 9 credit units from electives appropriate to student's research
- CHEP 801.3
- PUBH 842.3
- ~~PUBH 843.3~~
- PUBH 990.0
- PUBH 996.0

Rationale: To provide student Advisory Committees in the program more latitude in tailoring the course requirements for individual graduate student to take into account the analytical skills and research techniques needed for them to successfully and competently pursue their specific research project and training interests.

Approved by CGPS December 11, 2019

College of Education – January 2020 University Course Challenge

The curricular revisions listed below were approved by the College of Education Faculty Council on Friday, January 10, 2020 and are now submitted to the University Course Challenge for approval.

Contact: Arvelle Van Dyck (arvelle.vandyck@usask.ca)

Course deletions:

There are two Education Student Teaching (EDST) field experiences listed in the Course and Program Catalogue that are no longer part of the B.Mus. (Mus.Ed.) degree requirements:

- EDST 420.0: Student Teaching BEd BMusMusEd Elementary Middle Years Year 4
- EDST 427.0: Student Teaching BEd BMusMusEd Secondary Year 4

Although both of these field experience courses were created for students in the B.Mus. (Mus. Ed.) program, the EDST subject code falls within the College of Education's jurisdiction. The course descriptions are included below. We have been in consultation with and have received the approval of the Head, Department of Music, College of Arts and Science regarding these deletions.

EDST 420.0: Student Teaching BEd BMusMusEd Elementary Middle Years Year 4

Involves three weeks of directed observation and participation in a regular classroom after the conclusion of final examinations. The course carries no credit but is a program requirement. Prerequisite(s) or Corequisite(s): EDST 330.

EDST 427.0: Student Teaching BEd BMusMusEd Secondary Year 4

Involves three weeks of directed observation and participation in a Teaching Area II after the conclusion of final examinations. The course carries no credit but is a program requirement. Prerequisite(s) or Corequisite(s): EDST 337.

For Information

Course description revisions:

The Curriculum Studies Department and the College of Education Faculty Council have recently approved two new course descriptions, one for ECUR 382.3: Methods in Elementary Social Studies and one for ECUR 386.3: Methods in Secondary Social Studies. The current descriptions for these social studies methods courses are quite outdated. The revised course descriptions are much more comprehensive and reflect the content of the courses. The new descriptions give students a clear idea of what they will be learning about in these courses.

ECUR 382.3: Methods in Elementary Social Studies

In this course, teacher candidates are introduced to approaches for designing culturally relevant, inquiry-based learning for elementary social studies. Through thematic lenses, teacher candidates develop theoretical frameworks that guide their social studies pedagogical development, and cultivate skills in selecting, applying, and differentiating teaching strategies, content, and assessments for diverse elementary learners. Focus is also placed on the interpretation and integration of treaty education outcomes and civic education outcomes into the social studies provincial curricula.

~~Focuses on teaching Social Studies in primary and elementary schools. It is an activity-oriented course which provides students with opportunities to participate in instructional methods and approaches for children.~~

Prerequisite(s) or Corequisite(s): Students pursuing the B.Ed. Direct Entry Program must complete EFDT 101.3; ECUR 163.3 or ECUR 164.3 or ECUR 165.3; EFDT 265.3 or ECUR 265.3; EPSE 202.3.

Note: Students may receive credit for only one of ECUR 382, 383, 385 and 387

ECUR 386.3: Methods in Secondary Social Studies

In this course, teacher candidates are introduced to major concepts and current research in history, civics, and social science education. Emphasis is placed on guiding teacher candidates to develop theoretical frameworks that inform their social studies pedagogical development, and to cultivate skills in applying differentiated, culturally relevant, and inquiry-based teaching strategies, content, and assessments for diverse secondary learners. This course also centers a critical examination of Saskatchewan social sciences curricula and the integration and application of treaty education outcomes and civic education outcomes.

~~Identifies major concepts selected from history, geography and other social sciences. Emphasis is placed upon the learner's ability to demonstrate skill in selecting methods, strategies, materials and forms of evaluation in social studies. In turn, there will be an in-depth examination of the Saskatchewan secondary social studies curriculum.~~

Prerequisite(s): 12 credit units in Social Studies/Social Sciences.

Prerequisite(s) or Corequisite(s): Students pursuing the B.Ed. Direct Entry Program must complete EFDT 101.3; ECUR 163.3 or ECUR 164.3 or ECUR 165.3; EFDT 265.3 or ECUR 265.3; EPSE 202.3.



College of Engineering Submission to University Course Challenge

January 2020

The following changes have been approved by the College of Engineering Undergraduate Academic Programs Committee and are now being submitted to the UCC for further review and approval.

Contact: Aleksandra Pajic (Aleksandra.pajic@usask.ca)

Minor Program Revision:

- a) Add PHIL 121.3 to the approved list of complementary studies electives for all programs that require completion of complementary studies electives (in the chemical, computer, electrical, environmental, and mechanical engineering as well as engineering physics undergraduate programs).

Rationale: Undergraduate students have been permitted to use PHIL 121.3 to satisfy their complementary studies elective requirement in the past. Adding this as an approved course list improves transparency for all students.

Complementary Studies Elective

- [ANTH — 100-Level, 200-Level, 300-Level, 400-Level](#)
- [ARBC — 100-Level, 200-Level, 300-Level, 400-Level](#)
- [ARCH — 100-Level, 200-Level, 300-Level, 400-Level](#)
- [ARTH — 100-Level, 200-Level, 300-Level, 400-Level](#)
- [CHIN — 100-Level, 200-Level, 300-Level, 400-Level](#)
- [CLAS — 100-Level, 200-Level, 300-Level, 400-Level](#)
- [CMRS — 100-Level, 200-Level, 300-Level, 400-Level](#)
- [COMM 201.3](#) Introduction to Financial Accounting
- [COMM 203.3](#) Introduction to Finance
- [COMM 204.3](#) Introduction to Marketing
- [COMM 205.3](#) Introduction to Operations Management
- [COMM 210.3](#) Introduction to Management Accounting
- [COMM 211.3](#) Human Resource Management
- [COMM 304.3](#) Introduction to Business Law
- [COMM 306.3](#) Ethics and Strategic Decision Making
- [COMM 308.3](#) Cost Management Systems
- [COMM 321.3](#) Corporate Financial Reporting I
- [COMM 323.3](#) Corporate Financial Reporting II
- [COMM 329.3](#) Personal Finance
- [COMM 337.3](#) Business Information and Accounting Systems
- [COMM 340.3](#) Introduction to International Business
- [COMM 342.3](#) Organization Structure and Design
- [COMM 343.3](#) Recruitment Selection and Engagement



- [COMM 345.3](#) Business and Public Policy
- [COMM 346.3](#) Technology Commercialization
- [COMM 347.3](#) Aboriginal Business in Canada
- [COMM 348.3](#) Leadership
- [COMM 349.3](#) Introduction to Entrepreneurship
- [COMM 352.3](#) Marketing Strategy
- [COMM 354.3](#) Consumer Behaviour
- [COMM 357.3](#) Marketing Research
- [CREE — 100-Level, 200-Level, 300-Level, 400-Level](#)
- [ECON 111.3](#) Introductory Microeconomics
- [ECON 114.3](#) Introductory Macroeconomics
- [ECON 211.3](#) Intermediate Microeconomics
- [ECON 214.3](#) Intermediate Macroeconomics
- [ECON 221.3](#) Women and the Economy
- [ECON 223.3](#) Labour Economics
- [ECON 227.3](#) Wage Determination
- [ECON 231.3](#) Co operatives
- [ECON 234.3](#) Economics of Health Care
- [ECON 254.3](#) International Trading System
- [ECON 256.3](#) International Monetary System
- [ECON 270.3](#) Development in Non Industrialized Countries
- [ECON 272.3](#)
- [ECON 275.3](#) Economics of Natural Resources
- [ECON 277.3](#) Economics of the Environment
- [ECON 280.3](#) Classical Economics
- [ENG — 100-Level, 200-Level, 300-Level, 400-Level](#)
- [FREN — 100-Level, 200-Level, 300-Level, 400-Level](#)
- [GEOG 130.3](#) Environment Health and Planning
- [GEOG 202.3](#) Regional Geography of Canada
- [GEOG 204.3](#) Geography of the Prairie Region
- [GEOG 208.3](#) World Regional Development
- [GEOG 240.3](#) Sustainable Cities and Regions
- [GEOG 280.3](#) Environmental Geography
- [GERM — 100-Level, 200-Level, 300-Level, 400-Level](#)
- [GRK — 100-Level, 200-Level, 300-Level, 400-Level](#)
- [HEB — 100-Level, 200-Level, 300-Level, 400-Level](#)
- [HIST — 100-Level, 200-Level, 300-Level, 400-Level](#)
- [HNDI — 100-Level, 200-Level, 300-Level, 400-Level](#)
- [INDG — 100-Level, 200-Level, 300-Level, 400-Level](#)
- [JPNS — 100-Level, 200-Level, 300-Level, 400-Level](#)
- [LATN — 100-Level, 200-Level, 300-Level, 400-Level](#)
- [LING — 100-Level, 200-Level, 300-Level, 400-Level](#)
- [LIT — 100-Level, 200-Level, 300-Level, 400-Level](#)
- [PHIL 120.3](#) Knowledge Mind and Existence
- [PHIL 121.3](#) **Introduction to World Philosophies**
- [PHIL 133.3](#) Introduction to Ethics and Values
- [PHIL 140.3](#) Critical Thinking
- [PHIL 202.3](#) Philosophy of Religion
- [PHIL 206.3](#) Early Modern Philosophy
- [PHIL 208.3](#) Ancient Philosophy Presocratics to Plato



- [PHIL 209.3](#) Ancient Philosophy Aristotle to Plotinus
 - [PHIL 210.3](#) Medieval Philosophy I From Rome to Baghdad and Paris
 - [PHIL 211.3](#)
 - [PHIL 215.3](#) 19th Century Philosophy From Romanticism to Revolution
 - [PHIL 218.3](#) Existentialism
 - [PHIL 219.3](#) Phenomenology
 - [PHIL 224.3](#) Philosophy of Sexuality
 - [PHIL 226.3](#) Environmental Philosophy
 - [PHIL 227.3](#) Feminist Philosophy
 - [PHIL 227.3](#) Feminist Philosophy
 - [PHIL 231.3](#) Moral Problems
 - [PHIL 233.3](#) Ethical Theory
 - [PHIL 234.3](#) Biomedical Ethics
 - [PHIL 235.3](#) Business and Professional Ethics
 - [PHIL 236.3](#) Ethics and Technology
 - [PHIL 237.3](#) Law and Morality
 - [PHIL 238.3](#) Ethical Issues in Scientific Research
 - [PHIL 251.3](#) Philosophy of Science
 - [PHIL 262.3](#) Social and Political Philosophy
 - [PHIL 265.3](#) Decision and Choice Theory
 - [PHIL 271.3](#) Aesthetics and Philosophy of Art
 - [PHIL 281.3](#) Theory of Knowledge
 - [PHIL 285.3](#) Persons Minds and Bodies
 - [PHIL 292.3](#) Metaphysics Reality Existence and Change
 - [PHIL 294.3](#) Philosophy of Human Nature
 - [PHIL 296.3](#)
 - [POLS — 100-Level, 200-Level, 300-Level, 400-Level](#)
 - [PSY — 100-Level, 200-Level, 300-Level, 400-Level](#)
 - [RCM — 400-Level](#)
 - [RLST — 100-Level, 200-Level, 300-Level, 400-Level](#)
 - [RUSS — 100-Level, 200-Level, 300-Level, 400-Level](#)
 - [SNSK — 100-Level, 200-Level, 300-Level, 400-Level](#)
 - [SOC — 100-Level, 200-Level, 300-Level, 400-Level](#)
 - [SPAN — 100-Level, 200-Level, 300-Level, 400-Level](#)
 - [UKR — 100-Level, 200-Level, 300-Level, 400-Level](#)
 - [WGST — 100-Level, 200-Level, 300-Level, 400-Level](#)
- **Exception:** CLAS 104 cannot be used to meet the Complementary Studies Elective Requirements of the program.
 - **Note:** Special Topics courses cannot be used to meet a Complementary Studies Elective Requirement (any course ending in 98 or 99).

For Information

Course change:

- a) Change the term descriptor of GE 496: Technological Innovation Design Project from GE 496.3 1/2(3L) to GE 496.3 1 and 2 (3L), as this is a multi-term course.



UNIVERSITY OF SASKATCHEWAN

College of Engineering

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College of Pharmacy and Nutrition – University Course Challenge, January 2020

The following curricular changes were approved by the College of Pharmacy & Nutrition Faculty on December 19, 2019 and are being submitted to the January 2020 University Course Challenge for approval:

New Courses

PHAR 210.3

Pharmaceutical Biotechnology

This course will provide a more in-depth look at biotechnology. It will emphasize biotechnology application to pharmacy and pharmaceutical sciences. The pharmacist's role with biotechnology drugs will be discussed. The techniques involved in the production, development and evaluation of biotechnology products will also be discussed. In addition, new biotechnology related techniques, gene therapy, RNA therapeutics, immunotherapeutics & pharmacogenomics and genotyped prescribing will be topics of discussion. Examples of application to pharmacotherapy in specific disease states will be covered.

Prerequisite(s): PHAR 224.3; PHAR 290.0

Restriction: Completion of Year 1 of the Pharm.D. program

Rationale: Year 2 of the Pharm.D. program requires students complete a 3 credit unit PHAR elective in Term 2. PHAR 210.3 is one of the elective courses that will be offered to students.

PHAR 211.3

Personalized Medicine

With recent advances in “omics” studies, personalized medicine has become a rapid growing area in health science. However, it also faces big challenges in clinical practice, such as therapeutic efficacy, patient privacy and cost. In this course, we are going to discuss the basic concepts and progress of personalized medicine, the “omics”, biomarker identification, the major challenges for personalized medicine, personalized medicine tests, and examples of personalized medicine practice in cancer, cardiovascular disorder, immune disorder, psychiatry and analgesics/opiates.

Prerequisite(s): PHAR 123.3; PHAR 290.0

Restriction: Completion of Year 1 of the Pharm.D. program

Rationale: Year 2 of the Pharm.D. program requires students complete a 3 credit unit PHAR elective in Term 2. PHAR 211.3 is one of the elective courses that will be offered to students.

The following curricular changes were approved by the College of Pharmacy & Nutrition Faculty on December 19, 2019 and are being submitted to the January 2020 University Course Challenge for information:

Bachelor of Science in Nutrition [B.Sc (Nutr.)] (132 credit units)

Year 1

33 credit units

- BMSC 200.3
- BMSC 230.3
- COMM 102.3
- FABS 110.3
- NUTR 120.3
- NUTR 221.3
- NUTR 230.3
- BMSC 207.3 and BMSC 208.3 (formerly PHSI 208.6)
- PLSC 214.3
- ~~Basic food safety training certificate~~ Successful completion of Food Safe I Certificate

Unrestricted Electives

- Choose 3 credit units of unrestricted electives

Year 2

36 credit units

- BMSC 210.3
- NUTR 305.3
- NUTR 310.3
- NUTR 321.3
- NUTR 322.3
- NUTR 330.3
- NUTR 350.3
- NUTR 365.3
- NUTR 366.3*
- PATH 205.3
- ~~Successful completion of Food Safe Certificate II~~
- Successful completion of Speechcraft (Public Speaking Certificate)

* offered in Spring and Summer terms

Unrestricted Electives

- Choose 6 credit units of unrestricted electives

Year 3

33 credit units

- COMM 201.3
- FABS 323.3
- NUTR 420.3
- NUTR 425.3
- NUTR 430.3
- NUTR 441.3
- NUTR 442.3
- NUTR 450.3
- NUTR 466.3
- **Advanced food safety training instruction**

Unrestricted Electives

- Choose 6 credit units of unrestricted electives

Year 4

30 credit units

- NUTR 531.30
- Successful completion of the practicum

Rationale: This year the College has outsourced FOODSAFE Level 1, and students are now completing this online. Note: this is not the trademarked FOODSAFE course, but it has been deemed equivalent by the SK Ministry of Health. The College has experienced a major roadblock since SK Min of Health no longer certifies instructors to teach FOOD SAFE I & II. The College will offer advanced Food safety training (not trademarked FOOD SAFE II) going forward. Two Nutrition lab coordinators will teach the content; however, students will not leave the Nutrition program with the actual certificate.