Academic Programs Committee of Council

University Course Challenge

Scheduled posting: September 2021

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 Engineering
College of Graduate and Postdoctoral Studies

Approval: Date of circulation: September 15, 2021
Date of effective approval if no challenge received: September 30, 2021

Next scheduled posting:

The next scheduled posting will be October 15, 2021, with a submission deadline of October 13**, 2021.** 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 Governance Office.

University Course Challenge – September 2021
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)

Applied Computing

Minor program revisions
Bachelor of Science Honours and Four-year in Applied Computing - Bioinformatics
Remove the course "BINF 151: Computing in Biology" from the C4 Major Requirement of the Bioinformatics stream of the Applied Computing program (for both BSc 4 year and Honors BSc 4 year).

Bachelor of Science Honours (B.Sc. Honours) – Bioinformatics

C4 Major Requirement (~~84~~ 81 credit units)

- ~~BINF 151.3~~
- BINF 351.3
- BINF 451.3
- BIOL 120.3
- BIOL 121.3
- BMSC 200.3
- CHEM 250.3
- CMPT 141.3
- CMPT 145.3
- CMPT 260.3
- CMPT 270.3
- CMPT 280.3
- CMPT 318.3
- CMPT 353.3
- CMPT 360.3
- CMPT 407.3

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C5 Electives Requirement (~~9~~ 12 credit units)

Arts and Science courses, or those from other Colleges that have been approved for Arts and Science credit, to complete the requirements for 120 credit unit Honours program, of which at least 66 must be at the 200-level or higher.

Bachelor of Science Four-year (B.Sc. Four-year) – Bioinformatics

C4 Major Requirement (~~81~~ 78 credit units)

- ~~BINF 151.3~~
- BINF 351.3
- BINF 451.3
- BIOL 120.3
- BIOL 121.3

- BMSC 200.3
- CHEM 250.3
- CMPT 141.3
- CMPT 145.3
- CMPT 260.3
- CMPT 270.3
- CMPT 280.3
- CMPT 318.3
- CMPT 353.3
- CMPT 360.3

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C5 Electives Requirement (~~12~~ 15 credit units)

Arts and Science courses, or those from other Colleges that have been approved for Arts and Science credit, to complete the requirements for 120 credit unit Four-year program, of which at least 66 must be at the 200-level or higher.

Rationale: BINF 151 was included in the C4 Major Requirement for the Bioinformatics Concentration in error when the new Applied Computing program was proposed. This course combines aspects of the computer science introductory course CMPT 140: Introduction to Creative Computing with some introductory bioinformatics. But, given the restrictions on taking this course in addition to or after introductory CMPT courses, it is impossible for a student to take BINF 151 if they have already taken CMPT 141. We anticipate that most students will take CMPT 141 in their first year. This would automatically eliminate those students from the Bioinformatics concentration of the Applied Computing program. This was not the intention of the department, and this concentration can certainly be taken without BINF 151.

Chemistry

Minor course revisions
CHEM 221.3 Analytical Chemistry I
CHEM 231.3 Inorganic Chemistry I
Prerequisite change:
Old prerequisite: (CHEM 112.3 or CHEM 114.3) and CHEM 115.3.
New prerequisite: CHEM 115.3 or CHEM 146.3
Rationale: This prerequisite change is in response to the changes to the College of Engineering Common First Year. In this new program Engineering students will take CHEM 142.1 and CHEM 146.3 instead of CHEM 114.3 and CHEM 115.3. CHEM 112.3 and CHEM 114.3 are prerequisites for CHEM 115.3 and therefore do not need to be listed.

CHEM 242.3 Thermodynamics and Kinetics
Prerequisite change:
Old prerequisite: CHEM 115 and MATH 110, MATH 123, or MATH 176.
New prerequisite: CHEM 115.3 or CHEM 146.3; and one of MATH 110.3, MATH 123.3, MATH 133.4 or MATH 176.3
Rationale: This prerequisite change is in response to the changes to the College of Engineering Common First Year. In this new program Engineering students will take CHEM 142.1 and CHEM 146.3 instead of CHEM 114.3 and CHEM 115.3, and MATH 133.4 has replaced MATH 123.3.

CHEM 250.3 Introduction to Organic Chemistry
Prerequisite change:
Old prerequisite: CHEM 112 or 114.
New prerequisite: CHEM 112.3 or CHEM 146.3
Rationale: This prerequisite change is in response to the changes to the College of Engineering Common First Year. In this new program Engineering students will take CHEM 142.1 and CHEM 146.3 instead of CHEM 114.3 and CHEM 115.3.

CHEM 375.3 Environmental Chemistry
Prerequisite change:
Old prerequisite: CHEM 115
New prerequisite: CHEM 115.3 or CHEM 146.3
Rationale: This prerequisite change is in response to the changes to the College of Engineering Common First Year. In this new program Engineering students will take CHEM 142.1 and CHEM 146.3 instead of CHEM 114.3 and CHEM 115.3.

CHEM 377.3 Industrial Chemistry
Prerequisite change:
Old prerequisite: CHEM 115 and (MATH 110 or MATH 123 or MATH 125 or MATH 176).
New prerequisite: CHEM 115.3 or CHEM 146.3; and one of MATH 110.3, MATH 123.3, MATH 125.3, MATH 133.4, or MATH 176.3
Rationale: Rationale: This prerequisite change is in response to the changes to the College of Engineering Common First Year. In this new program Engineering students will take CHEM 142.1 and CHEM 146.3 instead of CHEM 114.3 and CHEM 115.3, and MATH 133.4 has replaced MATH 123.3.

Geology

Minor program revisions
Bachelor of Science Honours and Four-year in Bioinformatics
Add GEOE 378.3 to the list of possible Field Schools, and add PBIO 230.3 to the list of Geoscience Electives.

Bachelor of Science Honours (B.Sc. Honours)

C4 Major Requirement (63 credit units)

- **GEOL 121.3** Earth Processes
- **GEOL 122.3** Earth History
- **GEOL 206.3** Earth Systems
- **GEOL 224.3** Mineralogy
- **GEOL 226.3** Introductory Petrology
- **GEOL 229.3** Introductory Geochemistry
- **GEOL 245.3** Introduction to Sedimentary Rocks
- **GEOL 247.3** Palaeontology
- **GEOL 258.3** Structural Geology
- **GEOL 282.3** Earth Physics or **GEOL 384.3** Introduction to Applied Geophysics

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

- **GEOL 308.3** Field School Sedimentary Rocks
- **GEOL 408.3** Field School Crystalline Rocks

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

- **GEOL 308.3** Field School Sedimentary Rocks (if not selected above)
- **GEOL 405.3** International Field Studies
- **GEOL 408.3** Field School Crystalline Rocks (if not selected above)
- **GEOL 485.6** Geophysics Field Camp* or **GEOL 487.3** Geophysical Field Methods
- **GEOE 378.3** Engineering Geological Mapping

*If **GEOL 485.6** Geophysics Field Camp is chosen, 3 credit units of this class will count in this section, and the remaining 3 credit units will count as 3 credit units of Geology senior class in the Geology major.

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

- **GEOL 490.3** Geological Sciences Research
- **GEOL 492.6** Geological Sciences Research

*If **GEOL 492.6** Geological Sciences Research is chosen, 3 credit units of this class will count in this section, and the remaining 3 credit units will count as 3 credit units of a Geology class below.

Geosciences

Note: Students must take at least one of **GEOL 324.3** Igneous Petrology or **GEOL 325.3** Metamorphic Petrology to satisfy Group 2B of APEGA requirements.

Choose **12 credit units** from the following:

- **GEOL — 200-Level, 300-Level, 400-Level**

Choose **12 additional credit units** of senior level geoscience:

- **EVSC 220.3** Environmental Soil Science
- **EVSC 420.3** Environmental Fate and Transport of Toxic Substances
- **GEOE 218.3** Engineering Geology
- **GEOE 315.3** Rock Mechanics
- **GEOE 377.3** Fundamentals of Mining and Mineral Processing
- **GEOG 222.3** Introduction to Geomatics
- **GEOG 225.3** Hydrology of Canada
- **GEOG 235.3** Earth Processes and Natural Hazards A Canadian Perspective
- **GEOG 322.3** Introduction to Geographic Information Systems
- **GEOG 323.3** Remote Sensing
- **GEOG 325.3** River Systems
- **GEOG 328.3** Groundwater Hydrology
- **GEOG 335.3** Glacial Geomorphology
- **GEOG 351.3** Northern Environments
- **GEOG 420.3** Cartography and Professional Communication
- **GEOG 423.3** Advanced Remote Sensing
- **GEOG 427.3** Advanced Hydrology
- **GEOL — 200-Level, 300-Level, 400-Level**
- **PBIO 230.3** On the Origin and Life of Animals

- **SLSC 232.3** Soil Genesis and Classification (formerly SLSC 332.3)
- **SLSC 313.3** Environmental Soil Chemistry
- **SLSC 322.3** Environmental Soil Physics
- **TOX 301.3** Environmental Toxicology
- **TOX 310.3** Radiation and Radionuclide Toxicology

Bachelor of Science Four-year (B.Sc. Four-year)

C4 Major Requirement (60 credit units)

- **GEOL 121.3** Earth Processes
- **GEOL 122.3** Earth History
- **GEOL 206.3** Earth Systems
- **GEOL 224.3** Mineralogy
- **GEOL 226.3** Introductory Petrology
- **GEOL 229.3** Introductory Geochemistry
- **GEOL 245.3** Introduction to Sedimentary Rocks
- **GEOL 247.3** Palaeontology
- **GEOL 258.3** Structural Geology
- **GEOL 282.3** Earth Physics or **GEOL 384.3** Introduction to Applied Geophysics

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

- **GEOL 308.3** Field School Sedimentary Rocks
- **GEOL 408.3** Field School Crystalline Rocks

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

- **GEOL 308.3** Field School Sedimentary Rocks (if not selected above)
- **GEOL 405.3** International Field Studies
- **GEOL 408.3** Field School Crystalline Rocks (if not selected above)
- **GEOL 485.6** Geophysics Field Camp* or **GEOL 487.3** Geophysical Field Methods
- **GEOE 378.3** Engineering Geological Mapping

*If **GEOL 485.6** Geophysics Field Camp is chosen, 3 credit units of this class will count in this section, and the remaining 3 credit units will count as 3 credit units of Geology senior class in the Geology major.

Geosciences

Note: Students must take at least one of **GEOL 324.3** Igneous Petrology or **GEOL 325.3** Metamorphic Petrology to satisfy Group 2B of APEGA requirements.

Choose **12 credit units** from the following:

- **GEOL — 200-Level, 300-Level, 400-Level**

Choose **12 additional credit units** of senior level geoscience:

- **EVSC 220.3** Environmental Soil Science
- **EVSC 420.3** Environmental Fate and Transport of Toxic Substances

- **GEOE 218.3** Engineering Geology
- **GEOE 315.3** Rock Mechanics
- **GEOE 375.3** Engineering Hydrogeology
- **GEOE 377.3** Fundamentals of Mining and Mineral Processing
- **GEOG 222.3** Introduction to Geomatics
- **GEOG 225.3** Hydrology of Canada
- **GEOG 235.3** Earth Processes and Natural Hazards A Canadian Perspective
- **GEOG 322.3** Introduction to Geographic Information Systems
- **GEOG 323.3** Remote Sensing
- **GEOG 325.3** River Systems
- **GEOG 328.3** Groundwater Hydrology
- **GEOG 335.3** Glacial Geomorphology
- **GEOG 351.3** Northern Environments
- **GEOG 420.3** Cartography and Professional Communication
- **GEOG 423.3** Advanced Remote Sensing
- **GEOG 427.3** Advanced Hydrology
- **GEOL — 200-Level, 300-Level, 400-Level**
- **PBIO 230.3** On the Origin and Life of Animals
- **SLSC 232.3** Soil Genesis and Classification (formerly SLSC 332.3)
- **SLSC 313.3** Environmental Soil Chemistry
- **SLSC 322.3** Environmental Soil Physics
- **TOX 301.3** Environmental Toxicology
- **TOX 310.3** Radiation and Radionuclide Toxicology

Rationale: Students in Geology are required to complete two field courses, and GEOE 378.3 is appropriate to be used as one of these, as it covers some of the same material as GEOL 308.3 and 408.3. It is expected that the number of students using GEOE 378.3 to fulfill the field school requirement to meet the requirement in a Geology program to be small. However, there are circumstances in which students complete dual degrees in Geological Engineering and Geology, or when a student switches from Geological Engineering to Geology. In these circumstances, it will be appropriate for students to count GEOE 378.3 toward their Geology degree.
PBIO 230.3 is a course in animal paleontology. The paleontology perspective is useful for Geology students and the addition of this course to the program will give students added flexibility in their programs.

Mathematics

Minor course revisions:
MATH 177.3 Advanced Calculus II
Prerequisite change:
Old prerequisite: MATH 110.3, or MATH 123.3, or MATH 176.3
New prerequisite: MATH 110.3, or MATH 123.3, or MATH 133.4, or MATH 176.3
Rationale: MATH133 (differential calculus with a bit of linear algebra and statistics) replaces MATH 123 in the new First Year Engineering program, and is an adequate substitution for MATH 123.

MATH 211.3 Numerical Analysis
MATH 238.3 Introduction to Differential Equations
MATH 276.3 Vector Calculus Prerequisite change:
Old prerequisite: MATH 116 or MATH 124 or MATH 177; and MATH 164.
New prerequisite: MATH 116 or MATH 124 or MATH 134 or MATH 177; and MATH 164.
Rationale: MATH 134 (integral calculus with a bit of linear algebra and statistics) replaces MATH 124 in the new First Year Engineering program, and is an adequate substitution for MATH 124.

MATH 223.3 Calculus III for Engineers
Prerequisite change:
Old prerequisite: MATH 123.3 and MATH 124.3
New prerequisite: MATH 124 or MATH 134.3
Rationale: MATH 134 (integral calculus with a bit of linear algebra and statistics) replaces MATH 124 in the new First Year Engineering program, and is an adequate substitution for MATH 124. MATH 133 is the prerequisite for MATH 134.

MATH 224.3 Calculus IV for Engineers
Prerequisite change:
Old prerequisite: MATH 123, 124, and 223 (all taken)
New prerequisite: MATH 223.3 (taken)
Rationale: MATH 133.4 and MATH 134.3 replace MATH 123.3 and 124.3 in the new First Year Engineering program. These courses are the prerequisites for MATH 223.3, so only MATH 223.3 needs to be listed.

Physics

Minor course revisions
PHYS 125.3 - Physics and Technology
Prerequisite change:
Old prerequisite: MATH 110, MATH 123, or MATH 176; PHYS 115 or GE 124.
New prerequisite: MATH 110.3, MATH 123.3, MATH 133.4, or MATH 176.3; and PHYS 115.3, GE 122.2, or GE 124.3.
Rationale: MATH 133.4 replaces MATH 123.3 in the new First Year Engineering program, and GE 122.2 replaces GE 124.3. The new courses provide sufficient preparation for PHYS 125.3. The old courses will continue to be listed for a few years as current students move through their program(s).

PHYS 223.3 - Mechanics I
Prerequisite change:
Old prerequisite:
Prerequisite(s): PHYS 115 or GE 124; MATH 223 or 225 or 276.
Prerequisite(s) or Corequisite(s): MATH 224 or 226 or 238.
New prerequisite:
Prerequisite(s): PHYS 115, GE 122, or GE 124; and MATH 223 or 225 or 276.
Prerequisite(s) or Corequisite(s): MATH 224 or 226 or 238.
Rationale: GE 122.2 replaces GE 124.3 in the new First Year Engineering program, and is a sufficient replacement for GE 124 in the prerequisites of PHYS 223.3. The old course will continue to be listed for a few years as current students move through their program(s).

PHYS 252.3 - Foundations of Modern Physics
Prerequisite change:
Old prerequisite:
Prerequisite(s): PHYS 115 or GE 124.
Prerequisite(s) or Corequisite(s): MATH 104, MATH 110, MATH 121, MATH 123, MATH 125, or MATH 176.
New prerequisite:
Prerequisite(s): PHYS 115, GE 122, or GE 124.
Prerequisite(s) or Corequisite(s): MATH 104, MATH 110, MATH 121, MATH 123, MATH 133, MATH 125, or MATH 176.
Rationale: MATH 133.4 replaces MATH 123.3 in the new First Year Engineering program, and GE 122.2 replaces GE 124.3. The new courses provide sufficient preparation for PHYS 125.3. The old courses will continue to be listed for a few years as current students move through their program(s).

PHYS 255.3 - Concepts of Radiation Physics
Prerequisite change:
Old prerequisite: 36 credit units at the university level including PHYS 115 or GE 124.
New prerequisite: 36 credit units at the university level including PHYS 115 or GE 122 or GE 124.
Rationale: GE 122.2 replaces GE 124.3 in the new First Year Engineering program, and is a sufficient replacement for GE 124 in the prerequisites for PHYS 255.3. The old course will continue to be listed for a few years as current students move through their program(s).

PHYS 322.3 - Introduction to Atmospheric Science and Meteorology
Prerequisite change:
Old prerequisite: MATH 223, 225 or 276; and (PHYS 117) or (PHYS 125), or (GE 125 and PHYS 155).
New prerequisite: MATH 223, 225 or 276; and (PHYS 117) or (PHYS 125), or [(GE 123 or GE 125) and (PHYS 155 or PHYS 156)].
Rationale: GE 123.3 replaces GE 125.3 in the new First Year Engineering program, and is a sufficient replacement for GE 125 in the prerequisites for PHYS 322.3. The old course will continue to be listed for a few years as current students move through their program(s).

Items for Information

Mathematics

The following will be added to provide clarity on what is meant by a "course in statistics":

MATH 101.3: Quantitative Reasoning
This course will expose students to various aspects of quantitative reasoning, including the use of quantitative arguments to analyze problems, critique arguments, and draw and justify conclusions; the recognition and evaluation of quantitative assumptions; and the detection and interpretation of trends and patterns in quantitative data drawn from real-world sources and case studies. The course will nurture basic skills in numeracy, arithmetic, and estimation. In the process, students will learn to use algebraic and statistical methods to solve problems and understand changing quantities. They will also use visual and technological tools to assist with calculations and analysis. The format of the course involves 1 hour of lecture and 3 hours of lab-based active learning activity per week, emphasizing inquiry and practice.
Weekly hours: 1 Lecture hours and 3 Practicum/Lab hours
Note: This course may not be taken for credit concurrently with or after any other 100-level MATH course or any course included in the College of Arts and Science' Statistics Course Regulations lists ~~in statistics~~. Students may only have credit for one of MATH 101 and MATH 150. In Arts & Science programs, this course may be used only in the Quantitative Requirement (if listed for that program) or the Electives Requirement.

MATH 150.3: Mathematics for Early and Middle Years Teachers
An introductory course in mathematics specifically designed for students enrolled in the Early/Middle Years route of the Bachelor of Education program. A broad survey of mathematical topics aligned with the Saskatchewan mathematics curriculum, including logical and set-theoretic reasoning, number theory and numerical operations, algebraic expressions and modelling, functions and their graphs, planar and solid geometry, probability and statistics. Collaborative group work in labs and reflective journaling ensure that mathematical communication and appreciation are emphasized alongside quantitative proficiency throughout the course.
Weekly hours: 3 Lecture hours and 1.5 Practicum/Lab hours
Restriction(s): Restricted to students in the College of Education
Prerequisite(s): Precalculus 30; or Foundations of Mathematics 30
Note: Intended for students enrolled in the Early/Middle Years route of the Bachelor of Education program. Students who excel at mathematics and/or have chosen mathematics as one of their teaching areas should speak to an advisor about alternate mathematics and statistics course recommendations.

Does not fulfill requirements of a major or honours in either mathematics or statistics, or any other Arts & Science degree program. This course may not be taken for credit concurrently with or after any other 100-level MATH course or any course included in the College of Arts and Science' Statistics Course Regulations lists ~~in statistics~~. Students may have credit for only one of MATH 100, MATH 101 or MATH 150.

UNIVERSITY OF SASKATCHEWAN
College of Engineering
ENGINEERING.USASK.CA

College of Engineering Submission to University Course Challenge

September 2021

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)

For Approval:

- Add COMM 100-level courses to the list of Complementary Studies Elective and delete CLAS 104 exception in the following programs: Chemical, Civil, Computer Engineering, Electrical, Environmental, Geological, Mechanical Engineering ad Engineering Physics.
  Commerce 100-level courses meet the accreditation requirements for Complementary Studies Elective. Selected 200- and 300-level COMM courses are already included on the Complementary Studies Elective list. Including the 100-level group of courses to the lists would provide more variety and options to our students.
  CLAS 104.3 Classical Myths meets the new definition for complementary studies provided by the College of Engineering accrediting body, so the exception is no longer needed.

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- 100-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
- **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 Indigenous 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 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 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
- IS — 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
- MUS 101.3 Fundamentals of Music
- 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 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.~~

College of Graduate and Postdoctoral Studies, University Course Challenge – September 2021

The following new courses and curricular changes have been approved by the College of Graduate and Postdoctoral Studies and are now being submitted to University Course Challenge for approval:

Program Modifications:

M.A. Linguistics
Degree Requirements
Students must maintain continuous registration in the 994 course.

GPS 960.0 Introduction to Ethics and Integrity
GPS 961.0 Ethics and Integrity in Human Research, if research involves human subjects
GPS 962.0 Ethics and Integrity in Animal Research, if research involves animal subjects
LING 990
LING 994
Students are advised that in cases when their proposed research involves human participants, they are required to submit an Ethics application and receive the approval of the Research Ethics Board prior to conducting the study.

General Linguistics Concentration:

15 credit units, including the following:
9 cu in:

- LING 815.3 Topics in Language Structure
- LING 804.3 Research Methods in Linguistics
- LING 816.3 Topics in the Grammar of Non-Indo-European Languages OR LING 817: Topics in Typology and Areal Linguistics
- 3 c.u. LING 800-level class
- 3 c.u. in 800-level class in LING, ECUR, PHIL, PSY

Applied Linguistics Concentration

LING 818.3: Second Language Acquisition
LING: 819.3: Bilingualism and Multiculturalism
LING 803.3: Discourse Analysis
LING 820.3: Topics in Applied Linguistics
3 c.u. at the 800-level in LING, PSY, PHIL, ECUR

Rationale: We wish to revise the Master of Arts in Applied Linguistics to reflect more accurately the interests and expertise of the current faculty. We propose to create two concentrations in the MA Applied Linguistics: 1. General Linguistics, 2. Applied Linguistics. The two concentrations will differ in their core requirements but will share electives. Most 800-level LING courses will be open to students in either concentration.

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Deleted: LING 811.3 Advanced Sociolinguistic Theory and Method¶
LING 990.0 Seminar¶
LING 994.0 Research¶
oral thesis defense¶
One 3 credit unit restricted elective from the following:¶
¶
Linguistics:¶
¶
LING 808.3 Cultural Components in Language Teaching¶
LING 810.3 Language and Gender¶
LING 898.3 Special Topics (Special Topics courses may be offered if there are additional faculty resources and students who require studies in another area of applied linguistics.)¶
Psychology:¶
¶
Note: Psychology students have priority for enrolling in the above courses; for registration in these Psychology courses students in the M.A. in Applied Linguistics program must obtain permission from the instructor of the course.¶
PSY 802.3¶
PSY 803.3 CultureHealth and Human Development¶
PSY 809.3 Qualitative Research¶
PSY 836.3¶
PSY 837.3 Advanced Seminar in Human Memory¶
PSY 838.3 Advanced Seminar in Language Processing¶
PSY 839.3 Thinking and Reasoning¶
Philosophy:¶
¶
PHIL 817.3 (In cases where philosophy of language and logic are included.)¶
PHIL 819.3¶
PHIL 842.3¶
PHIL 846.3 Advanced Seminar in Philosophy of Language¶
Communication (Ron and Jane Graham School of Professional Development):¶
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RCM 400.3 Rhetorical Theory and Practice of Persuasion¶
RCM 401.3 Oral Rhetoric¶
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Course Deletions:

INCC 801.0: Reading French
Designed to develop student's French reading skills particularly for research purposes. Primary emphasis is on the comprehension of a wide variety of texts in French.

INCC 898.3: Special Topics
Offered occasionally in special situations. Students interested in these courses should contact the department for more information.

Rationale: The Interdisciplinary Centre for Culture and Creativity is not offering programming, and all course offerings have been moved to cognate units.

Item for Information
Correction to June 2021 University Course Challenge (UCC)
ANSC 863 was approved through the June 2021 UCC; however, the pre/corequisites were missed inadvertently. I've added them here for information:

ANSC 863.3: Advanced Ruminant Nutritional Management
This course is designed to expose and build capacity in the students' ability to develop, evaluate, and implement nutritional and management programs for dairy cattle. Students will act as nutritional consultants for livestock operations owned by the UofS to build experience with inventory management, ration formulation, and pricing. This activity will also build inter-personal skills and communication ability.
Restriction: Must be enrolled in a graduate program in Animal Science or have permission of the instructor.
Prerequisite(s) or Corequisite(s): ANSC 802 and/or ANSC 810 and/or ANSC 815.
Rationale: Students in the Department of Animal and Poultry Science have ample opportunity to learn advanced concepts related to animal nutrition, physiology, and management; however, there are few courses that provide the opportunity to apply those concepts and to practice these skills. In addition, many of our graduate students gain employment working as nutritional consultants, but few have had the opportunity to identify challenges and opportunities, implement changes, and evaluate those changes. This course provides a unique opportunity for students to build problem solving skills, provide practice for students to apply biological modeling systems to help refine nutritional management, and to build communication skills related to nutritional management of livestock.