



Academic Programs Committee of Council

University Course Challenge

Scheduled posting: April 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 Agriculture and Bioresources

College of Arts and Science

College of Engineering

Edwards School of Business

Approval: Date of circulation: April 16, 2021
 Date of effective approval if no challenge received: May 1, 2021

Next scheduled posting:

The next scheduled posting will be May 17, 2021, with a submission deadline on **May 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.

College of Agriculture and Bioresources, Submission to April 2021 Course Challenge

The following curricular changes have been approved by the College of Agriculture and Bioresources, and are being submitted here for approval:

Changes to Food and Bioproduct Sciences courses

FABS 315.3: Food Chemistry

An introduction to the major chemical components of foods and the chemical and biochemical reactions that can impact these components during food processing and storage. Topics include water, carbohydrates, lipids, proteins, pigments (natural and synthetic), and emulsions/emulsifiers. The laboratory section consists of eleven or twelve practical sessions that support the theoretical information presented in lectures.

Weekly hours: 3 Lecture hours and 4 Practicum/Lab hours

Prerequisite(s): [FABS 110](#) and [BMSC 200](#) [or PLSC 317](#), or permission of the instructor. [CHEM 250](#) is strongly recommended.

Note: Offered in alternate years. Students with credit for [FAMS 415](#) will not receive credit for [FABS 315](#).

Rationale: The changes to the course prerequisites reflect the preparation necessary for students to succeed in this course.

FABS ~~317.3~~ Food and Bioproducts Analysis

Modern analytical techniques/instruments and their application to food analysis are presented and discussed. Basic analytical chemical principles and methodology are covered with specific emphasis on their use in answering food analysis questions. Major topics include, proximate analysis, spectroscopy, high performance liquid and gas chromatography, and mass spectroscopy. The laboratory section consists of ten or eleven practical sessions that support the theoretical information presented in lectures.

Weekly hours: 3 Lecture hours and 4 Practicum/Lab hours

Prerequisite(s): [FABS 110](#) and [BMSC 200](#) [or PLSC 317](#), or permission of the instructor. [CHEM 250](#) is strongly recommended.

Note: Offered in alternate years. Students with credit for [FAMS 417](#) [or FABS 417](#) will not receive credit for [FABS ~~317~~](#).

Rationale: This change to the course number has been approved to reflect changes to the course material and the sequencing of courses within the Food and Bioproduct Sciences department as part of their curriculum renewal process. The changes to the course prerequisites reflect the preparation necessary for students to succeed in this course.

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New Course Proposal:

AGRC 110.3 Scientific Literacy and Communication for the Agricultural Sciences

Developing scientific literacy and communication skills is a necessary step to participating fully and professionally in the agricultural bioeconomy. Through active learning, students are introduced to the profession of agronomy and professional ethics. Students learn the communication and interpersonal skills needed to support their academic success and future professional success. Scientific literacy is introduced as the foundation for learning in the agricultural sciences. Basic skills for handling and displaying data are introduced and reinforced with participatory activities. Oral and written communication skills are practiced and reinforced.

Rationale: The need for this course was identified through a faculty retreat and subsequent curriculum mapping of the “core” BSA curriculum. Specific scientific literacy and communication skills were identified as required skills and knowledge that needed further reinforcement within the BSA core curriculum. Importantly, we identified the need for this course to occur early in the BSA program, with the goal of book-ending the BSA program with a first-year course that introduces scientific literacy and communication skills, and a final capstone/thesis course or project that fully utilizes these skills. New skills and knowledge not previously part of the core curriculum include understanding the profession of agronomy and ethics, handling and displaying data, and understanding risk assessment in the agricultural sciences.

Program Revisions to the Bachelor of Science in Animal Bioscience degree

Animal Bioscience

Bachelor of Science in Animal Bioscience [B.Sc.(An.Biosc.)]

Year 1 (30 credit units)

- [AGRC 110.3 Scientific Communication](#)
- [AGRC 111.3 Discovery in Plant and Soil Sciences](#)
- [AGRC 113.3 Agri Food Issues and Institutions](#)
- [ANBI 110.3](#) Introductory Animal Bioscience
- [BIOL 120.3](#) The Nature of Life
- [CHEM 112.3](#) General Chemistry I Structure Bonding and Properties of Materials
- [CHEM 115.3](#) General Chemistry II Chemical Processes
- [MATH 104.3](#) Elementary Calculus or [MATH 110.3](#) Calculus I or [MATH 125.3](#) Mathematics for the Life Sciences

Choose 3 credit units from the following:

- [ENG 111.3](#) Literature and Composition Reading Poetry
- [ENG 112.3](#) Literature and Composition Reading Drama
- [ENG 113.3](#) Literature and Composition Reading Narrative
- [ENG 114.3](#) Literature and Composition Reading Culture
- [ENG 120.3](#) Introduction to Creative Writing

Choose 3 credit units from the following:

Choose 3 credit units from the areas of Social Science, Humanities or Fine Arts.

Humanities

- [CHIN — 100-Level, 200-Level, 300-Level, 400-Level](#)
- [CLAS — 100-Level, 200-Level, 300-Level, 400-Level](#)
- [CREE — 100-Level, 200-Level, 300-Level, 400-Level](#)

Deleted: <#>[AGRC 112.3](#) Animal Agriculture and Food Science¶

Deleted: <#>[BIOL 224.3](#) Animal Body Systems¶

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- [ENG — 100-Level, 200-Level, 300-Level, 400-Level](#)
- [FREN — 100-Level, 200-Level, 300-Level, 400-Level](#)
- [GERM — 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](#)
- [INTS — 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](#)
- [LIT — 100-Level, 200-Level, 300-Level, 400-Level](#)
- [PHIL — 100-Level, 200-Level, 300-Level, 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](#)
- [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](#)
- Certain WGST courses may be considered a Humanities and/or Social Science. Refer to the Class Search.
- MUS 111 is acceptable toward the Humanities requirement.

Social Sciences

- [ANTH — 100-Level, 200-Level, 300-Level, 400-Level](#)
- [ARCH — 100-Level, 200-Level, 300-Level, 400-Level](#)
- [ECON — 100-Level, 200-Level, 300-Level, 400-Level](#)
- [GEOG 130.3 Environment Health and Planning](#)
- [INDG — 100-Level, 200-Level, 300-Level, 400-Level](#)
- [IS — 100-Level, 200-Level, 300-Level, 400-Level](#)
- [LING — 100-Level, 200-Level, 300-Level, 400-Level](#)
- [PLAN — 100-Level, 200-Level, 300-Level, 400-Level](#)
- [POLS — 100-Level, 200-Level, 300-Level, 400-Level](#)
- [PSY — 100-Level, 200-Level, 300-Level, 400-Level](#)
- [SOC — 100-Level, 200-Level, 300-Level, 400-Level](#)
- [SOSC — 100-Level, 200-Level, 300-Level, 400-Level](#)
- [WGST — 100-Level, 200-Level, 300-Level, 400-Level](#)

Any senior-level social science course, provided the prerequisite is met. Please note that certain GEOG courses are considered Science courses. Refer to the Class Search.

Statistics courses in social sciences are not accepted for credit toward the Social Science Requirement (e.g. ECON 204, PSY 233, PSY 234, SOC 225 and SOC 325).

Certain WGST courses may be considered a Humanities and/or Social Science. Refer to the Class Search.

Fine Arts

- [ART — 100-Level, 200-Level, 300-Level, 400-Level](#)
- [ARTH — 100-Level, 200-Level, 300-Level, 400-Level](#)
- [DRAM — 100-Level, 200-Level, 300-Level, 400-Level](#)
- [MUS — 100-Level, 200-Level, 300-Level, 400-Level](#)

Year 2 (30 credit units)

- [AREC 220.3 History of Indigenous Agriculture OR INDG 107.3 Introduction to Canadian Indigenous Studies](#)

- [ANSC 212.3](#) Livestock and Poultry Production
- [ANSC 313.3](#) Animal Breeding and Genetics
- [BIOL 224.3 Animal Body Systems](#), [BMSC 200.3](#) Biomolecules
- [BMSC 230.3](#) Metabolism
- [CHEM 250.3](#) Introduction to Organic Chemistry
- [FABS 212.3](#) Agrifood and Resources Microbiology OR [BMSC 210.3](#) Microbiology
- [PLSC 214.3](#) Statistical Methods

Choose 3 credit units of restricted electives

Restricted Electives:

- [ANBI 298.3](#) Special Topics
- [ANBI 320.3](#) Equine Science
- [ANBI 360.3](#) Canine and Feline Science
- [ANBI 398.3](#) Special Topics
- [ANBI 420.3](#) Comparative Animal Endocrinology
- [ANBI 471.3](#) Animal Microbiomes and Health
- [ANBI 475.3](#) Field Studies in Arctic Ecosystems and Aboriginal Peoples
- [ANBI 494.6](#) Research Thesis in Animal Bioscience
- [ANBI 498.3](#) Special Topics
- [ANSC 298.3](#) Special Topics
- [ANSC 301.3](#) Animal Production Tour
- [ANSC 316.3](#) Feed Technology and Swine Production
- [ANSC 355.3](#) Sheep and Goat Management
- [ANSC 398.3](#) Special Topics
- [ANSC 410.3](#) Cow Calf Management
- [ANSC 430.3](#) Intensive Management of Beef Cattle
- [ANSC 440.3](#) Poultry Production
- [ANSC 460.3](#) Intensive Management of Dairy Cattle
- [ANSC 485.3](#) Swine Production and Management
- [ANSC 498.3](#) Special Topics
- [AREC 222.3](#) Introduction to Farm Business Management
- [AREC 343.3](#) Grain and Livestock Marketing
- [BINF 210.3](#) Introduction to Bioinformatics Applications
- [BIOL 222.3](#) The Living Plant
- [BIOL 226.3](#) Genes to Genomics
- [BIOL 316.3](#) Molecular Genetics of Eukaryotes
- [BIOL 430.3](#) Neurobiology of Behaviour
- [BIOL 451.3](#) Ichthyology
- [BIOL 455.3](#) Mammal Diversity and Evolution
- [BIOL 458.3](#) Ornithology
- [BIOL 472.3](#) Animal Behaviour
- [BLE 205.3](#) Agricultural Machinery Management
- [BLE 303.3](#) Principles of Food and Bioproducts Engineering
- [BMIS 308.3](#) An Introduction to Microbial Pathogens
- [BMIS 310.3](#) Proteins and Enzymes
- [BMIS 321.3](#) Principles of Immunology
- [BMIS 340.3](#) Introductory Molecular Biology
- [BMIS 435.3](#) Human Metabolism and Disease
- [BMIS 436.3](#) Advanced Molecular Biology

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Deleted: <#>[RCM 200.3](#) Engineering Professional Communication¶
 <#>Choose 3 credit units of open electives¶
 <#>Note: Open Electives may be chosen from most classes offered at the University of Saskatchewan, including classes from the Animal Biosciences Restricted Electives list.¶

Deleted: Students must complete at least 6 credit units of courses from the Animal Species Specific Restricted Electives list in the program overall.¶
Animal Species Specific Restricted Electives:¶
[ANBI 320.3](#) Equine Science¶
[ANBI 360.3](#) Canine and Feline Science¶
[ANSC 410.3](#) Cow Calf Management¶
[ANSC 430.3](#) Intensive Management of Beef Cattle¶
[ANSC 440.3](#) Poultry Production¶
[ANSC 460.3](#) Intensive Management of Dairy Cattle¶
[ANSC 485.3](#) Swine Production and Management¶
Discipline Specific

- [BMSC 220.3](#) Cell Biology
- [BMSC 240.3](#) Laboratory Techniques
- [COMM 101.3](#) Introduction to Business
- [COMM 105.3](#) Introduction to Organizational Behaviour
- [COMM 201.3](#) Introduction to Financial Accounting
- [COMM 204.3](#) Introduction to Marketing
- [COMM 304.3](#) Introduction to Business Law
- [COMM 404.3](#) Business Law [CPPS 304.3](#) Introduction to Pharmacology
- [FABS 110.3](#) The Science of Food
- [FABS 325.3](#) Food Microbiology and Safety
- [FABS 457.3](#) Meat Science and Technology
- [MCIM 321.3](#) Principles of Immunology
- [PHYS 115.3](#) Physics and the Universe
- [PLSC 213.3](#) Principles of Plant Ecology
- [PLSC 405.3](#) Genetics of Plant Populations
- [PLSC 418.3](#) Management of Arable Grassland
- [PLSC 420.3](#) Grain Chemistry and Technology
- [PLSC 422.3](#) Rangeland Ecology and Management
- [PLSC 423.3](#) Landscape Ecology and Vegetation Management
- [RCM 400.3](#) Rhetorical Theory and Practice of Persuasion
- [RCM 401.3](#) Oral Rhetoric
- [RCM 402.3](#) Interpersonal Communication and Rhetoric
- [RCM 404.3](#) Leadership as Communication
- [RCM 406.3](#) Studies in Communication Series
- [RCM 407.3](#) Rhetorical Editing
- [RCM 408.3](#) Rhetorical Composition Writing for the Public
- [RCM 409.3](#) Negotiation as Rhetorical Practice
- [RCM 410.3](#) Rhetoric of Science and Technology
- [RCM 495.3](#) Rhetorical Peer Mentorship
- [RRM 312.3](#) Natural Resource Management and Indigenous Peoples
- [TOX 300.3](#) General Principles of Toxicology
- [TOX 402.3](#) Systemic Toxicology
- [VBMS 314.3](#) Comparative Anatomy of Domestic Animals
- [VLAC 411.3](#) Diseases of Livestock
- [VTPA 412.3](#) Diseases of Poultry
- Or courses approved by an Animal Science program advisor

Year 3 (30 credit units)

- [ANBI 320.3](#) Equine Science OR [ANBI 360.3](#) Canine and Feline Science
- [ANBI 375.3](#) Animals and the Environment
- [ANSC 315.3](#) Animal and Poultry Nutrition
- [VBMS 324.3](#) Animal Physiology I
- [VBMS 325.3](#) Animal Physiology II

Choose 9 credit units of open electives

Note: Open Electives may be chosen from most classes offered at the University of Saskatchewan, including classes from the Animal Biosciences Restricted Electives list.

Choose 6 credit units of restricted electives

Restricted Electives:

- [ANBI 298.3](#) Special Topics

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Deleted: <#>[CPPS 306.3](#) Systems Pharmacology I Cardiorespiratory Renal Gastrointestinal and Neurpharmacology¶
<#>[CPPS 307.3](#) Systems Pharmacology II Chemotherapy Immune and Endocrine Pharmacology¶

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<#>[FABS 450.3](#)¶

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Deleted: Students must complete at least 6 credit units of courses from the Animal Species Specific Restricted Electives list in the program overall.¶

Animal Species Specific Restricted Electives:¶

- [ANBI 320.3](#) Equine Science¶
- [ANBI 360.3](#) Canine and Feline Science¶
- [ANSC 410.3](#) Cow Calf Management¶
- [ANSC 430.3](#) Intensive Management of Beef Cattle¶
- [ANSC 440.3](#) Poultry Production¶
- [ANSC 460.3](#) Intensive Management of Dairy Cattle¶
- [ANSC 485.3](#) Swine Production and Management¶

Discipline Specific

- [ANBI 320.3 Equine Science](#)
- [ANBI 360.3 Canine and Feline Science](#)
- [ANBI 398.3 Special Topics](#)
- [ANBI 420.3 Comparative Animal Endocrinology](#)
- [ANBI 471.3 Animal Microbiomes and Health](#)
- [ANBI 475.3 Field Studies in Arctic Ecosystems and Aboriginal Peoples](#)
- [ANBI 494.6 Research Thesis in Animal Bioscience](#)
- [ANBI 498.3 Special Topics](#)
- [ANSC 298.3 Special Topics](#)
- [ANSC 301.3 Animal Production Tour](#)
- [ANSC 316.3 Feed Technology and Swine Production](#)
- [ANSC 355.3 Sheep and Goat Management](#)
- [ANSC 398.3 Special Topics](#)
- [ANSC 410.3 Cow Calf Management](#)
- [ANSC 430.3 Intensive Management of Beef Cattle](#)
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- [ANSC 460.3 Intensive Management of Dairy Cattle](#)
- [ANSC 485.3 Swine Production and Management](#)
- [ANSC 498.3 Special Topics](#)
- [AREC 222.3 Introduction to Farm Business Management](#)
- [AREC 343.3 Grain and Livestock Marketing](#)
- [BINF 210.3 Introduction to Bioinformatics Applications](#)
- [BIOL 222.3 The Living Plant](#)
- [BIOL 226.3 Genes to Genomics](#)
- [BIOL 316.3 Molecular Genetics of Eukaryotes](#)
- [BIOL 430.3 Neurobiology of Behaviour](#)
- [BIOL 451.3 Ichthyology](#)
- [BIOL 455.3 Mammal Diversity and Evolution](#)
- [BIOL 458.3 Ornithology](#)
- [BIOL 472.3 Animal Behaviour](#)
- [BLE 205.3 Agricultural Machinery Management](#)
- [BLE 303.3 Principles of Food and Bioproducts Engineering](#)
- [BMIS 308.3 An Introduction to Microbial Pathogens](#)
- [BMIS 310.3 Proteins and Enzymes](#)
- [BMIS 321.3 Principles of Immunology](#)
- [BMIS 340.3 Introductory Molecular Biology](#)
- [BMIS 435.3 Human Metabolism and Disease](#)
- [BMIS 436.3 Advanced Molecular Biology](#)
- [BMSC 220.3 Cell Biology](#)
- [BMSC 240.3 Laboratory Techniques](#)
- [COMM 101.3 Introduction to Business](#)
- [COMM 105.3 Introduction to Organizational Behaviour](#)
- [COMM 201.3 Introduction to Financial Accounting](#)
- [COMM 204.3 Introduction to Marketing](#)
- [COMM 304.3 Introduction to Business Law](#)
- [COMM 404.3 Business Law](#)
- [CPPS 304.3 Introduction to Pharmacology](#)
- [FABS 110.3 The Science of Food](#)
- [FABS 325.3 Food Microbiology and Safety](#)

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Deleted: <#>[CPPS 306.3](#) Systems Pharmacology I
 Cardiorespiratory Renal Gastrointestinal and
 Neurpharmacology¶
 <#>[CPPS 307.3](#) Systems Pharmacology II Chemotherapy
 Immune and Endocrine Pharmacology¶

- [FABS 457.3 Meat Science and Technology](#)
- [MCIM 321.3 Principles of Immunology](#)
- [PHYS 115.3 Physics and the Universe](#)
- [PLSC 213.3 Principles of Plant Ecology](#)
- [PLSC 405.3 Genetics of Plant Populations](#)
- [PLSC 418.3 Management of Arable Grassland](#)
- [PLSC 420.3 Grain Chemistry and Technology](#)
- [PLSC 422.3 Rangeland Ecology and Management](#)
- [PLSC 423.3 Landscape Ecology and Vegetation Management](#)
- [RCM 400.3 Rhetorical Theory and Practice of Persuasion](#)
- [RCM 401.3 Oral Rhetoric](#)
- [RCM 402.3 Interpersonal Communication and Rhetoric](#)
- [RCM 404.3 Leadership as Communication](#)
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- [RCM 407.3 Rhetorical Editing](#)
- [RCM 408.3 Rhetorical Composition Writing for the Public](#)
- [RCM 409.3 Negotiation as Rhetorical Practice](#)
- [RCM 410.3 Rhetoric of Science and Technology](#)
- [RCM 495.3 Rhetorical Peer Mentorship](#)
- [RRM 312.3 Natural Resource Management and Indigenous Peoples](#)
- [TOX 300.3 General Principles of Toxicology](#)
- [TOX 402.3 Systemic Toxicology](#)
- [VBMS 314.3 Comparative Anatomy of Domestic Animals](#)
- [VLAC 411.3 Diseases of Livestock](#)
- [VTPA 412.3 Diseases of Poultry](#)
- [Or courses approved by an Animal Science program advisor](#)

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<#>FABS 450.3¶

Year 4 (30 credit units)

- [ANBI 411.3 Behaviour of Domestic Animals](#)
- [ANBI 420.3 Comparative Animal Endocrinology](#) OR [ANBI 471.3 Animal Microbiomes and Health](#)
- [ANBI 470.3 Applied Animal Biotechnology](#)
- [ANBI 492.3 Literature Thesis in Animal Bioscience](#) or [ANBI 494.6 Research Thesis in Animal Bioscience](#) (3 credit units count as restricted elective)
- [ANSC 440.3 Poultry Production](#) OR [ANSC 485.3 Swine Production and Management](#)
- [VLAC 411.3 Diseases of Livestock](#) or [VTPA 412.3 Diseases of Poultry](#)

Choose 3 credit units from the following:

- [ANSC 355.3 Sheep and Goat Management](#)
- [ANSC 410.3 Cow Calf Management](#)
- [ANSC 430.3 Intensive Management of Beef Cattle](#)
- [ANSC 460.3 Intensive Management of Dairy Cattle](#)

Choose 6 credit units of open electives

Note: Open Electives may be chosen from most classes offered at the University of Saskatchewan, including classes from the Animal Biosciences Restricted Electives list.

Choose 3 credit units of restricted electives

Restricted Electives:

- [ANBI 298.3 Special Topics](#)
- [ANBI 320.3 Equine Science](#)
- [ANBI 360.3 Canine and Feline Science](#)

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Deleted: Students must complete at least 6 credit units of courses from the Animal Species Specific Restricted Electives list in the program overall.¶

Animal Species Specific Restricted Electives:¶

- [ANBI 320.3 Equine Science](#)¶
- [ANBI 360.3 Canine and Feline Science](#)¶
- [ANSC 410.3 Cow Calf Management](#)¶
- [ANSC 430.3 Intensive Management of Beef Cattle](#)¶
- [ANSC 440.3 Poultry Production](#)¶
- [ANSC 460.3 Intensive Management of Dairy Cattle](#)¶
- [ANSC 485.3 Swine Production and Management](#)¶

Discipline Specific

- [ANBI 398.3](#) Special Topics
- [ANBI 420.3](#) Comparative Animal Endocrinology
- [ANBI 471.3](#) Animal Microbiomes and Health
- [ANBI 475.3](#) Field Studies in Arctic Ecosystems and Aboriginal Peoples
- [ANBI 494.6](#) Research Thesis in Animal Bioscience
- [ANBI 498.3](#) Special Topics
- [ANSC 298.3](#) Special Topics
- [ANSC 301.3](#) Animal Production Tour
- [ANSC 316.3](#) Feed Technology and Swine Production
- [ANSC 355.3](#) Sheep and Goat Management
- [ANSC 398.3](#) Special Topics
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- [ANSC 460.3](#) Intensive Management of Dairy Cattle
- [ANSC 485.3](#) Swine Production and Management
- [ANSC 498.3](#) Special Topics
- [AREC 222.3](#) Introduction to Farm Business Management
- [AREC 343.3](#) Grain and Livestock Marketing
- [BINF 210.3](#) Introduction to Bioinformatics Applications
- [BIOL 222.3](#) The Living Plant
- [BIOL 226.3](#) Genes to Genomics
- [BIOL 316.3](#) Molecular Genetics of Eukaryotes
- [BIOL 430.3](#) Neurobiology of Behaviour
- [BIOL 451.3](#) Ichthyology
- [BIOL 455.3](#) Mammal Diversity and Evolution
- [BIOL 458.3](#) Ornithology
- [BIOL 472.3](#) Animal Behaviour
- [BLE 205.3](#) Agricultural Machinery Management
- [BLE 303.3](#) Principles of Food and Bioproducts Engineering
- [BMIS 308.3](#) An Introduction to Microbial Pathogens
- [BMIS 310.3](#) Proteins and Enzymes
- [BMIS 321.3](#) Principles of Immunology
- [BMIS 340.3](#) Introductory Molecular Biology
- [BMIS 435.3](#) Human Metabolism and Disease
- [BMIS 436.3](#) Advanced Molecular Biology
- [BMSC 220.3](#) Cell Biology
- [BMSC 240.3](#) Laboratory Techniques
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- [COMM 105.3](#) Introduction to Organizational Behaviour
- [COMM 201.3](#) Introduction to Financial Accounting
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- [COMM 404.3](#) Business Law [CPPS 304.3](#) Introduction to Pharmacology
- [FABS 110.3](#) The Science of Food
- [FABS 325.3](#) Food Microbiology and Safety
- [FABS 457.3](#) Meat Science and Technology
- [MCIM 321.3](#) Principles of Immunology

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Deleted: <#>[CPPS 306.3](#) Systems Pharmacology I
Cardiorespiratory Renal Gastrointestinal and
Neurpharmacology¶
<#>[CPPS 307.3](#) Systems Pharmacology II Chemotherapy
Immune and Endocrine Pharmacology¶

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<#>[FABS 450.3](#)¶

- [PHYS 115.3](#) Physics and the Universe
- [PLSC 213.3](#) Principles of Plant Ecology
- [PLSC 405.3](#) Genetics of Plant Populations
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- [PLSC 420.3](#) Grain Chemistry and Technology
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- [RCM 404.3](#) Leadership as Communication
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- [VLAC 411.3](#) Diseases of Livestock
- [VTPA 412.3](#) Diseases of Poultry
- [Or courses approved by an Animal Science program advisor](#)

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Rationale: These program revisions have been approved by the Department of Animal and Poultry Science as the result of a detailed process of curriculum review.

University Course Challenge – April 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)

Archaeology

New course(s):

ARCH 259.3 Archaeology of North America

3 Lecture hours

This course is designed as an introduction to the archaeology of North America. It presents a broad survey of culture areas, with a focus on adaptation, culture change, economy, and technology. It will use the comparative approach to study the past lives of hunter-gatherer, horticulturalist, and agricultural cultures of North America. It covers from Time Immemorial and the First Peopling into the Colonial Period. It contextualizes the role archaeologists have in re-interpreting the past and how Reconciliation affects our work.

Prerequisite(s): ARCH 112.3 or ARCH 116.3

Note: Students with credit for ARCH 298.3 Archaeology of North America may not take this course for credit.

Instructor(s): Terence Clark

Rationale: This is a broad survey course introducing the archaeological regions of North America. It introduces concepts and prepares students for third year course offerings which have a tighter regional focus such as ARCH 350: Introduction to Boreal Forest Archaeology, ARCH 352: Historical Archaeology, ARCH 353: Plains Archaeology, and ARCH 354: Archaeology of Culture Contact. It has been taught as an ARCH 298: Special Topics course twice in the past.

ARCH 359.3 Archaeology of the Northwest Coast and Plateau

3 Lecture hours

This course is designed as an introduction to the archaeology of the Northwest Coast and Plateau culture areas of North America, which stretches from coastal Alaska to northern California. This will include the pivotal role this region played in the peopling of the New World and the rise of social complexity in hunter-fisher-gatherer societies. It will question the concept of complexity, and how the term has shaped research in the region. It covers from Time Immemorial and the First Peopling into the Colonial Period. It contextualizes the role archaeologists have in re-interpreting the past and how Reconciliation affects our work.

Prerequisite(s): ARCH 250.3 or ARCH 251.3

Note: Students with credit for ARCH 398.3 Archaeology of the North West Coast and Plateau may not take this course for credit.

Instructor(s): Terence Clark

Rationale: This area is a major research focus of our faculty and graduate students. Our faculty have long-standing projects on the Northwest Coast and the department offers field school opportunities in the region. This course prepares our students for fieldwork as well as identifies potential future graduate students.

Cellular, Physiological, and Pharmacological Sciences

New courses:

Create Special Topics courses with the CPPS subject code

This combined subject code replaces the old ACB and PHPY subject codes for all courses in this area intended for Arts & Science students. It is therefore appropriate to create undergraduate Special Topics courses in this subject (398.3, 399.6, 498.3, and 499.6), to be used as needed.

Course deletion(s):**Delete Special Topics courses in ACB and PHPY (undergrad only)**

All ACB and PHPY courses which are intended for students in the Bachelor of Science (Biomedical Science) programs will be relabeled to the combined CPPS subject code. This relabelling applies also to the slate of Special Topics courses.

PHPY 401.3 Animal Surgery and Experimentation

Rationale: This was a laboratory course in which students received hands-on training performing surgical procedures on small lab animals. Due to increased federal restrictions on the use of live animals for teaching and research purposes, we are no longer able to receive bioethics approval from the University Animal Care Committee to offer an undergraduate course of this nature.

Minor course revisions (effective 202205):

Relabel each of these courses with the **CPPS** subject code, retaining the existing number. Other minor updates as shown.

ACB 310 - Basic Human Anatomy

Note: Students with credit for ACB 310, ACB 221 or ACB 210 cannot take CPPS 310 for credit.

ACB 325 - Advanced Cell Biology

Note: Students with credit for ACB 325 or ACB 300 cannot take CPPS 325 for credit.

ACB 330 - Principles of Development

New Title: Principles of Developmental Biology (Short title: Developmental Biology)

Note: Students with credit for ACB 330 or ACB 201 cannot take CPPS 330 for credit.

ACB 331 - Methods in Cell and Developmental Biology

Note: Students with credit for ACB 331 cannot take CPPS 331 for credit.

ACB 400 - Imaging and Anatomy

New title: Clinical and Biomedical Imaging (Biomedical Imaging)

Old prerequisite: PHYS 115.3, PHYS 117.3 (or 125) and ACB 310.3

New prerequisite: PHYS 115.3, PHYS 117.3 (or 125); and one of CPPS 310.3 or ACB 310.3

Note: Students with credit for ACB 400 cannot take CPPS 400 for credit.

ACB 406 - Comparative Vertebrate Histology

Note: Students with credit for ACB 406 cannot take CPPS 406 for credit.

PHPY 302 - Human Physiology Transport Systems

Note: Students with credit for PHPY 302, PHSI 346 or PHSI 347 cannot take CPPS 302 course for credit.

PHPY 303 - Human Physiology Reproduction Growth and Energy Homeostasis

New title: Reproduction Growth and Energy Status (Human Physiology Homeostasis)

Note: Students with credit for PHPY 303 or PHSI 348.3 cannot take CPPS 303 for credit.

PHPY 308 - Experimental Basis of Physiology and Pharmacology

Note: Students must complete the University of Saskatchewan Biosafety online course and the UACC Animal Ethics Course: Lab Animals online course prior to the first laboratory section. Registration information for both courses is available at: safetyresources.usask.ca/services/training/. Students with credit for PHPY 308 or PHSI 334 cannot take CPPS 308 course for credit.

PHPY 403 - Physiological Genomics and Pharmacogenetics

Note: Students with credit for PHPY 403 or PHSI 436.3 cannot take CPPS 403 for credit.

Rationale: The three previous departments – Anatomy and Cell Biology, Pharmacology, and Physiology – amalgamated to become the single department of Anatomy, Physiology and Pharmacology (APP) in

2018. The merged department would like to discontinue use of the old ACB* and PHPY subject codes and use the unified CPPS code for all of the undergraduate courses intended for students in the Biomedical Sciences programs.

The department will retain ACB 221.3 Gross Anatomy with the ACB subject code, as this is appropriate for this course, which is specifically offered for students in the Kinesiology program. PHPY 490.0 Seminar and Undergraduate Journal Club will be retained until current students have completed the Physiology and Pharmacology program.

PHPY 405 - Advances in Cardiovascular Physiology and Pharmacology

New course label and number: **CPPS 415.3**

Note: Students with credit for PHPY 405 cannot take CPPS 415 for credit.

Rationale: See above.

Drama

Minor program revisions:

Bachelor of Fine Arts in Drama – concentration in Acting

Add DRAM 309.3 as a required course; remove the requirement to select 3 credit units from DRAM 303, 304, 401, or 402.

Bachelor of Fine Arts Honours (B.F.A. Honours) - Acting

F4 Major Requirement (72 credit units)

- [DRAM 110.3](#) Technical Theatre I Scenic Construction
- [DRAM 111.3](#) Practicum I Indigenous Performance Methods
- [DRAM 113.3](#) Technical Theatre II Stage Properties
- [DRAM 118.3](#) Acting 1
- [DRAM 119.3](#) Acting II
- [DRAM 203.3](#) History of Theatre from 600 BCE to 1850 CE
- [DRAM 204.3](#) History of Theatre from 1850 to Present
- [DRAM 210.3](#) Technical Theatre III Costume Construction
- [DRAM 213.3](#) Technical Theatre IV Stage Management
- [DRAM 218.3](#) Acting III
- [DRAM 219.3](#) Acting IV Scene Study and Textual Analysis for the Stage
- [DRAM 309.3](#) **Theories of Acting and Directing**
- [DRAM 324.3](#) Acting V
- [DRAM 325.3](#) Acting VI
- [DRAM 362.3](#) Voice and Speech for the Actor I
- [DRAM 363.3](#) Voice and Speech for the Actor II
- [DRAM 366.3](#) Fundamentals of Movement I
- [DRAM 368.3](#) Movement Fundamentals II
- [DRAM 418.3](#) Acting VII
- [DRAM 419.3](#) Acting VIII
- [DRAM 462.3](#) Voice and Speech for the Actor III
- [DRAM 463.3](#) Voice and Speech for the Actor IV
- [DRAM 468.3](#) Expressive Movement I
- [DRAM 469.3](#) Expressive Movement II

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

- ~~[DRAM 303.3](#) **Advanced Studies in Theatre History I 600 BCE to 1850 CE**~~

- ~~DRAM 304.3~~ ~~Advanced Studies in Theatre History II 1850 to Present~~
- ~~DRAM 309.3~~ ~~Theories of Acting and Directing~~
- ~~DRAM 401.3~~ ~~Dramatic Theory and Criticism~~
- ~~DRAM 402.3~~ ~~Studies in Canadian Theatre~~

Rationale: Due to upcoming retirements, the Department of Drama is no longer able to offer DRAM 303, 304, 401, or 402.

Bachelor of Fine Arts in Drama – concentration in Design

Add ART 112.6, ARTH 120.3, ARTH 121.3, and DRAM 218.3 as required courses; shift DRAM 321.3 so that it appears on its own line; remove DRAM 401.3 and DRAM 402.3 as required courses; reduce the number of restricted electives credit units in ART from 12 to 9; and adjust the total number of credit units in the Major and Electives requirements to account for these changes.

Bachelor of Fine Arts Honours (B.F.A. Honours) - Design

F4 Major Requirement (~~66~~ **72** credit units)

- **ART 112.6** Drawing I Foundation
- **ARTH 120.3** Art and Visual Culture I
- **ARTH 121.3** Art and Visual Culture II
- **DRAM 110.3** Technical Theatre I Scenic Construction
- **DRAM 111.3** Practicum I Indigenous Performance Methods
- **DRAM 113.3** Technical Theatre II Stage Properties
- **DRAM 118.3** Acting 1
- **DRAM 119.3** Acting II
- **DRAM 203.3** History of Theatre from 600 BCE to 1850 CE
- **DRAM 204.3** History of Theatre from 1850 to Present
- **DRAM 210.3** Technical Theatre III Costume Construction
- **DRAM 213.3** Technical Theatre IV Stage Management
- **DRAM 218.3** Acting III
- **DRAM 220.3** Theatre Design I Introduction
- **DRAM 221.3** Theatre Design II Introduction
- **DRAM 309.3** Theories of Acting and Directing
- **DRAM 320.3** Theatre Design III Intermediate and ~~DRAM 321.3~~ ~~Theatre Design IV Intermediate~~
- **DRAM 321.3** ~~Theatre Design IV Intermediate~~
- ~~DRAM 401.3~~ ~~Dramatic Theory and Criticism~~
- ~~DRAM 402.3~~ ~~Studies in Canadian Theatre~~
- **DRAM 420.3** Theatre Design V Advanced
- **DRAM 421.3** Theatre Design VI Advanced

Choose ~~42~~ **49** credit units from the following:

- **ART 110.3** Art Today Ideas and Practices
- **ART 111.6** Painting I Foundation
- ~~ART 112.6~~ ~~Drawing I Foundation~~
- **ART 161.3** Foundation in Photography I
- **ART 216.6** Photography II
- **ART 220.3** Drawing and Related Work II A
- **ART 221.3** Drawing and Related Work II B
- **ART 222.3** Painting and Related Work II A

- [ART 223.3](#) Painting and Related Work II B
- [ART 230.3](#) Video Art and Sound I
- [ART 231.3](#) Animation and Digital Space I
- [ART 235.3](#) Digital Imagery
- [ART 236.3](#) Digital and Integrated Practice II A
- [ART 237.3](#) Digital and Integrated Practice II B
- [ART 241.3](#) Sculpture and Related Work II A
- [ART 242.3](#) Sculpture and Related Work II B
- [ART 251.3](#) Intermediate Printmaking
- ~~[ARTH 120.3](#) Art and Visual Culture I~~
- ~~[ARTH 121.3](#) Art and Visual Culture II~~
- [INTS 111.3](#) Design and Society
- [PHIL 271.3](#) Aesthetics and Philosophy of Art

F5 Electives Requirement (24 18 credit units)

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Rationale: Through changes in the Drama faculty complement some courses (including DRAM 401 and DRAM 402) will no longer be offered.

ART 112.6 (Drawing I Foundation) and the introductory Art History courses (ARTH 120.3 and 121.3) are proposed to be required as they will help students develop the necessary skills and background for a career in Design in Drama. The list of ART courses has been updated to reflect changes made by the Department of Art and Art History over the last few years.

DRAM 218.3 (Acting III) is proposed to be a required course, as this additional experience in Acting will help students to have a better understanding of how Design work impacts the stage.

The proposed changes also bring the total required credit units in line with the BFA Acting degree.

Religion and Culture

Minor program revisions:

Remove moribund courses from other departments from the Area C list; add four new courses, INTS 112.3 (Introduction to Peace Studies), INTS 310.3 (Peace Theory and Praxis), CTST 200.3 (Introduction to Catholic Studies), and CTST 300.3 (Critical Perspectives on Catholic Studies) to Area C; add one new course, RLST 200.3 (Religions in Canada, also submitted to this course challenge) to Area A; remove RLST 280.3 (Methodologies and Approaches to Study of Religion) as a required course in the Minor and the B.A. 3-year program; fix inconsistency in the Double Honours program is fixed to allow students to have the same option to select from either 100 or 200-level RLST, like the other programs.

Bachelor of Arts Honours (B.A. Honours) - Religion and Culture

A4 Major Requirement (54 credit units)

- [RLST 280.3](#) Methodologies and Approaches to Study of Religions

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

- [RLST — 100-Level, 200-Level](#)

Choose **42 credit units** of RLST courses, with at least 15 credit units of senior courses from each of Area A and Area B.

18 credit units must be taken at the 300-level or above, of which 6 credit units must be at the 400-level.

Area A: Asian Religions in Cross-Cultural Perspective

- [RLST 200.3 Religions in Canada](#)
- [RLST 211.3](#) Introduction to Hinduism
- [RLST 214.3](#) Introduction to Philosophies of India
- [RLST 215.3](#) Indian Yoga Heritage
- [RLST 217.3](#) Buddhist Religious Tradition
- [RLST 218.3](#) Developments in Buddhist Thought
- RLST 230.3
- RLST 231.3
- [RLST 234.3](#) Chinese Religions
- RLST 235.3
- [RLST 258.3](#) Religion and Culture in Bollywood Film
- [RLST 282.3](#) Religious Perspectives on Death and Dying
- [RLST 283.3](#) Comparative Mysticism
- [RLST 284.3](#) Religions and Non Violence
- [RLST 285.3](#) Religions and Ethnicity
- [RLST 329.3](#) Studies in Bhagavad Gita
- RLST 330.3
- RLST 332.3
- RLST 390.3
- [RLST 412.3](#) Seminar in Religions and Culture
- [RLST 413.3](#) Seminar in Religious Thought
- RLST 423.3

Area B: Western Religions in Cross-Cultural Perspective

- *No change*

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

Area C: Interdisciplinary Religion and Culture: Classes offered in other subjects

- [ANTH 230.3](#) Cultural Dynamics
- [ANTH 321.3](#) Myth Ritual and Symbol
- [ANTH 339.3](#) Cultural Change, Globalization and Development
- [ANTH 354.3](#) Ritual Spaces in Ukrainian Culture
- [ARCH 244.3](#) Archaeology and Cultural Development Ancient Israel and Syria Late Bronze Age to Hellenistic Period
- [CLAS 104.3](#) Classical Myths
- [CLAS 240.3](#) Ancient Art and Architecture I Bronze Age to Classical Greece
- [CLAS 242.3](#) Ancient Art and Architecture II Graeco Roman World
- ~~CLAS 252.3~~
- [CTST 200.3](#) Introduction to Catholic Studies
- [CTST 300.3](#) Critical Perspectives on Catholic Studies
- [GEOG 130.3](#) Environment Health and Planning
- ~~HIST 230.3~~
- ~~HIST 231.3~~
- [INTS 112.3](#) Introduction to Peace Studies
- [INTS 310.3](#) Peace Theory and Praxis
- [IS 211.3](#) Introduction to International Studies Development
- [IS 212.3](#) International Studies and Conflict

- [LING 244.3](#) Sociolinguistics
- [LING 402.3](#) Language and Culture
- [PHIL 202.3](#) Philosophy of Religion
- [RLST 233.3](#) Peoples and Cultures of South Asia
- RLST 332.3
- [SOC 321.3](#) Sociology of Religion
- [SOC 413.3](#)

Bachelor of Arts Four-year (B.A. Four-year) - Religion and Culture

A4 Major Requirement (36 credit units)

- [RLST 280.3](#) Methodologies and Approaches to Study of Religions

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

- [RLST— 100-Level, 200-Level](#)

Choose **24 credit units** of RLST courses, with at least 9 credit units of senior courses from each of Area A and Area B.

6 credit units must be taken at the 300-level or above.

3 credit units must be taken at the 400-level.

Area A: Asian Religions in Cross-Cultural Perspective

- [RLST 200.3 Religions in Canada](#)
- [RLST 211.3](#) Introduction to Hinduism
- [RLST 214.3](#) Introduction to Philosophies of India
- [RLST 215.3](#) Indian Yoga Heritage
- [RLST 217.3](#) Buddhist Religious Tradition
- [RLST 218.3](#) Developments in Buddhist Thought
- RLST 230.3
- RLST 231.3
- [RLST 234.3](#) Chinese Religions
- RLST 235.3
- [RLST 258.3](#) Religion and Culture in Bollywood Film
- [RLST 282.3](#) Religious Perspectives on Death and Dying
- [RLST 283.3](#) Comparative Mysticism
- [RLST 284.3](#) Religions and Non Violence
- [RLST 285.3](#) Religions and Ethnicity
- [RLST 329.3](#) Studies in Bhagavad Gita
- RLST 330.3
- RLST 332.3
- RLST 390.3
- [RLST 412.3](#) Seminar in Religions and Culture
- [RLST 413.3](#) Seminar in Religious Thought
- RLST 423.3

Area B: Western Religions in Cross-Cultural Perspective

- *No change*

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

Area C: Interdisciplinary Religion and Culture: Classes offered in other subjects

- [ANTH 230.3](#) Cultural Dynamics
- [ANTH 321.3](#) Myth Ritual and Symbol
- [ANTH 339.3](#) Cultural Change, Globalization and Development
- [ANTH 354.3](#) Ritual Spaces in Ukrainian Culture
- [ARCH 244.3](#) Archaeology and Cultural Development Ancient Israel and Syria Late Bronze Age to Hellenistic Period
- [CLAS 104.3](#) Classical Myths
- [CLAS 240.3](#) Ancient Art and Architecture I Bronze Age to Classical Greece
- [CLAS 242.3](#) Ancient Art and Architecture II Graeco Roman World
- ~~CLAS 252.3~~
- ~~CTST 200.3 Introduction to Catholic Studies~~
- ~~CTST 300.3 Critical Perspectives on Catholic Studies~~
- [GEOG 130.3](#) Environment Health and Planning
- ~~HIST 230.3~~
- ~~HIST 231.3~~
- ~~INTS 112.3 Introduction to Peace Studies~~
- ~~INTS 310.3 Peace Theory and Praxis~~
- [IS 211.3](#) Introduction to International Studies Development
- [IS 212.3](#) International Studies and Conflict
- [LING 244.3](#) Sociolinguistics
- [LING 402.3](#) Language and Culture
- [PHIL 202.3](#) Philosophy of Religion
- [RLST 233.3](#) Peoples and Cultures of South Asia
- ~~RLST 332.3~~
- [SOC 321.3](#) Sociology of Religion
- ~~SOC 413.3~~

Bachelor of Arts Three-year (B.A. Three-year) - Religion and Culture

A4 Major Requirement (30 credit units)

- ~~RLST 280.3 Methodologies and Approaches to Study of Religions~~

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

- [RLST— 100-Level, 200-Level](#)

Choose **48 21 credit units** of RLST courses, with at least **6 3** credit units of senior courses from each of Area A and Area B.

6 credit units must be taken at the 300-level or above.

Area A: Asian Religions in Cross-Cultural Perspective

- [RLST 200.3 Religions in Canada](#)
- [RLST 211.3](#) Introduction to Hinduism
- [RLST 214.3](#) Introduction to Philosophies of India
- [RLST 215.3](#) Indian Yoga Heritage
- [RLST 217.3](#) Buddhist Religious Tradition
- [RLST 218.3](#) Developments in Buddhist Thought
- RLST 230.3
- RLST 231.3
- [RLST 234.3](#) Chinese Religions
- RLST 235.3
- [RLST 258.3](#) Religion and Culture in Bollywood Film
- [RLST 282.3](#) Religious Perspectives on Death and Dying
- [RLST 283.3](#) Comparative Mysticism
- [RLST 284.3](#) Religions and Non Violence
- [RLST 285.3](#) Religions and Ethnicity
- [RLST 329.3](#) Studies in Bhagavad Gita
- RLST 330.3
- RLST 332.3
- RLST 390.3
- [RLST 412.3](#) Seminar in Religions and Culture
- [RLST 413.3](#) Seminar in Religious Thought
- RLST 423.3

Area B: Western Religions in Cross-Cultural Perspective

- *No change*

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

Area C: Interdisciplinary Religion and Culture: Classes offered in other subjects

- [ANTH 230.3](#) Cultural Dynamics
- [ANTH 321.3](#) Myth Ritual and Symbol
- [ANTH 339.3](#) Cultural Change, Globalization and Development
- [ANTH 354.3](#) Ritual Spaces in Ukrainian Culture
- [ARCH 244.3](#) Archaeology and Cultural Development Ancient Israel and Syria Late Bronze Age to Hellenistic Period
- [CLAS 104.3](#) Classical Myths
- [CLAS 240.3](#) Ancient Art and Architecture I Bronze Age to Classical Greece
- [CLAS 242.3](#) Ancient Art and Architecture II Graeco Roman World
- ~~[CLAS 252.3](#)~~
- [CTST 200.3](#) Introduction to Catholic Studies
- [CTST 300.3](#) Critical Perspectives on Catholic Studies
- [GEOG 130.3](#) Environment Health and Planning
- ~~[HIST 230.3](#)~~
- ~~[HIST 231.3](#)~~
- [INTS 112.3](#) Introduction to Peace Studies
- [INTS 310.3](#) Peace Theory and Praxis
- [IS 211.3](#) Introduction to International Studies Development
- [IS 212.3](#) International Studies and Conflict
- [LING 244.3](#) Sociolinguistics
- [LING 402.3](#) Language and Culture

- [PHIL 202.3](#) Philosophy of Religion
- [RLST 233.3](#) Peoples and Cultures of South Asia
- RLST 332.3
- [SOC 321.3](#) Sociology of Religion
- [SOC 413.3](#)

Double Honours - Religion and Culture

Area Requirements (36 credit units)

- [RLST 280.3](#) Methodologies and Approaches to Study of Religions

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

- [RLST — 100-Level](#), **200-Level**

Choose **24 credit units** from RLST courses, with at least 9 credit units of senior courses from each of Area A and Area B.

9 credit units must be taken at the 300-level or above, of which at least 3 credit units must be at the 400-level.

Area A: Asian Religions in Cross-Cultural Perspective

- [RLST 200.3 Religions in Canada](#)
- [RLST 211.3](#) Introduction to Hinduism
- [RLST 214.3](#) Introduction to Philosophies of India
- [RLST 215.3](#) Indian Yoga Heritage
- [RLST 217.3](#) Buddhist Religious Tradition
- [RLST 218.3](#) Developments in Buddhist Thought
- RLST 230.3
- RLST 231.3
- [RLST 234.3](#) Chinese Religions
- RLST 235.3
- [RLST 258.3](#) Religion and Culture in Bollywood Film
- [RLST 282.3](#) Religious Perspectives on Death and Dying
- [RLST 283.3](#) Comparative Mysticism
- [RLST 284.3](#) Religions and Non Violence
- [RLST 285.3](#) Religions and Ethnicity
- [RLST 329.3](#) Studies in Bhagavad Gita
- RLST 330.3
- RLST 332.3
- RLST 390.3
- [RLST 412.3](#) Seminar in Religions and Culture
- [RLST 413.3](#) Seminar in Religious Thought
- RLST 423.3

Area B: Western Religions in Cross-Cultural Perspective

- *No change*

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

Area C: Interdisciplinary Religion and Culture: Classes offered in other subjects

- [ANTH 230.3](#) Cultural Dynamics
- [ANTH 321.3](#) Myth Ritual and Symbol
- [ANTH 339.3](#) Cultural Change, Globalization and Development
- [ANTH 354.3](#) Ritual Spaces in Ukrainian Culture
- [ARCH 244.3](#) Archaeology and Cultural Development Ancient Israel and Syria Late Bronze Age to Hellenistic Period
- [CLAS 104.3](#) Classical Myths
- [CLAS 240.3](#) Ancient Art and Architecture I Bronze Age to Classical Greece
- [CLAS 242.3](#) Ancient Art and Architecture II Graeco Roman World
- ~~CLAS 252.3~~
- ~~CTST 200.3 Introduction to Catholic Studies~~
- ~~CTST 300.3 Critical Perspectives on Catholic Studies~~
- [GEOG 130.3](#) Environment Health and Planning
- ~~HIST 230.3~~
- ~~HIST 231.3~~
- ~~INTS 112.3 Introduction to Peace Studies~~
- ~~INTS 310.3 Peace Theory and Praxis~~
- [IS 211.3](#) Introduction to International Studies Development
- [IS 212.3](#) International Studies and Conflict
- [LING 244.3](#) Sociolinguistics
- [LING 402.3](#) Language and Culture
- [PHIL 202.3](#) Philosophy of Religion
- [RLST 233.3](#) Peoples and Cultures of South Asia
- RLST 332.3
- [SOC 321.3](#) Sociology of Religion
- ~~SOC 413.3~~

Religion and Culture - Minor

Requirements (24 credit units)

- ~~[RLST 280.3 Methodologies and Approaches to Study of Religions](#)~~

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

- [RLST— 100-Level, 200-Level](#)

Choose **12 15 credit units** from RLST courses, with at least 3 credit units of senior courses from each of Area A and Area B.

3 credit units must be taken at the 300-level or above

Area A: Asian Religions in Cross-Cultural Perspective

- ~~RLST 200.3 Religions in Canada~~
- [RLST 211.3](#) Introduction to Hinduism
- [RLST 214.3](#) Introduction to Philosophies of India

- [RLST 215.3](#) Indian Yoga Heritage
- [RLST 217.3](#) Buddhist Religious Tradition
- [RLST 218.3](#) Developments in Buddhist Thought
- RLST 230.3
- RLST 231.3
- [RLST 234.3](#) Chinese Religions
- RLST 235.3
- [RLST 258.3](#) Religion and Culture in Bollywood Film
- [RLST 282.3](#) Religious Perspectives on Death and Dying
- [RLST 283.3](#) Comparative Mysticism
- [RLST 284.3](#) Religions and Non Violence
- [RLST 285.3](#) Religions and Ethnicity
- [RLST 329.3](#) Studies in Bhagavad Gita
- RLST 330.3
- RLST 332.3
- RLST 390.3
- [RLST 412.3](#) Seminar in Religions and Culture
- [RLST 413.3](#) Seminar in Religious Thought
- RLST 423.3

Area B: Western Religions in Cross-Cultural Perspective

- *No change*

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

Area C: Interdisciplinary Religion and Culture: Classes offered in other subjects

- [ANTH 230.3](#) Cultural Dynamics
- [ANTH 321.3](#) Myth Ritual and Symbol
- [ANTH 339.3](#) Cultural Change, Globalization and Development
- [ANTH 354.3](#) Ritual Spaces in Ukrainian Culture
- [ARCH 244.3](#) Archaeology and Cultural Development Ancient Israel and Syria Late Bronze Age to Hellenistic Period
- [CLAS 104.3](#) Classical Myths
- [CLAS 240.3](#) Ancient Art and Architecture I Bronze Age to Classical Greece
- [CLAS 242.3](#) Ancient Art and Architecture II Graeco Roman World
- ~~CLAS 252.3~~
- [CTST 200.3](#) Introduction to Catholic Studies
- [CTST 300.3](#) Critical Perspectives on Catholic Studies
- [GEOG 130.3](#) Environment Health and Planning
- ~~HIST 230.3~~
- ~~HIST 231.3~~
- [INTS 112.3](#) Introduction to Peace Studies
- [INTS 310.3](#) Peace Theory and Praxis
- [IS 211.3](#) Introduction to International Studies Development
- [IS 212.3](#) International Studies and Conflict
- [LING 244.3](#) Sociolinguistics
- [LING 402.3](#) Language and Culture
- [PHIL 202.3](#) Philosophy of Religion
- [RLST 233.3](#) Peoples and Cultures of South Asia
- RLST 332.3

- [SOC 321.3](#) Sociology of Religion
- [SOC 413.3](#)

Rationale: The proposed changes will update the program to reflect current course offerings and will improve consistency of the requirements across the levels of concentration. RLST 280 is being removed as a required course in the Minor and B.A. 3-year to give students more flexibility in the program and because the department will regularly teach methods as a topic for four year and hours students at the 400 level, while continuing to offer 280 on a bi-annual basis. Majors will be advised of this strategy. A requirement for a methods course is more appropriately placed in the Honours, 4-year and Double Honours programs, which are partly preparatory for graduate work as per Religious Studies norms.

New course(s):

RLST 200.3 Religions in Canada

3 Lecture hours

This course traces the origins of diverse religious and faith groups in Canada by examining the many ways in which members of these groups developed their collective imaginaries, maintain their inherited beliefs and practices, and reformulate their religious traditions in a distinctly Canadian context. Focusing on history, origin, beliefs, and practices of the world religions and Indigenous traditions that make up the religious landscape of Canada, the course does not espouse a specific understanding of “religion,” or a single theological paradigm. Rather, it engages a variety of academic perspectives to explore intersections of religion and identity in our Canadian context.

Prerequisite(s): 3 credit units RLST or 18 credit units at the university level.

Instructor(s): Fachrizal Halim, Chris Hrynkow, Heidi Epstein, Alisha Pomazon

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

Statistics

New course(s):

STAT 447.3 Statistical Machine Learning for Data Science

3 Lecture hours and 1.5 Lab/Practicum hours

Based on a foundation of mathematical and statistical theory, the course covers a series of statistical methods for supervised learning and unsupervised learning, focusing on applications to real data using statistical software. The topics include: resampling methods such as Cross-Validation and Bootstrap; regression and classification including Linear Regression, Logistic Regression, Linear Discriminant Analysis (LDA), Quadratic Discriminant Analysis (QDA), K-Nearest Neighbors (KNN); model selection and regularization including Best Set Selection, Lasso, Elastic Net; non-linear models including Generalized Additive Models (GAM); tree-based methods including Decision Trees, Bagging, Random Forest; Support Vector Machines (SVM); dimension reduction and clustering including Principle Component Analysis (PCA), K-Means, Hierarchical Clustering; Ensemble Learning including Boosting, Stacking, Multi-Task Prediction; and an introduction to Deep Learning.

Prerequisite(s): STAT 344 or STAT 345 or CMPT 317 or CMPT 318.

Note: Students with credit for STAT 498.3 Machine Learning may not take this course for credit.

Instructor(s): Li Xing

Rationale: This course is being created to address the latest developments in modern statistics. Statistical machine learning is an emerging field that blends traditional statistical methods with parallel developments in the computational sciences. It is a rich field containing a critical toolkit, which shows a great capacity to handle large-scale complex data. Due to its high capability, there is a great demand for recruiting statistical data scientists to work on real complex data; the rapid developments in data collection technologies have led to real-world data being more abundant and complex. It is thus urgent that we provide training to our students in these advanced methods. Also, similar courses are now being offered at other mathematics and statistics departments in top-tier Canadian Universities, including the University of British Columbia, University of Toronto, University of Waterloo, McGill University, Simon Fraser University, etc. In order to stay as one of the top 15 universities, we need to improve our capacity to train future statisticians with these modern skills. As a 400-level course, this course is a natural

extension to our 300 level statistical courses such as STAT 344 and 345 and is a complementary course to our other 400-level statistical courses. This course is different from the machine learning related courses offered by the Department of Computer Science at our university. Our course uses mathematical and statistical theories as a foundation to focus on data applications with R software. We focus on a hypothesis-based approach, which is fundamentally different from the existing Computer Science courses' approach.

Items for Information

The policy revision listed below was approved through the Arts & Science College Course and Program Challenge and is now submitted to the University Course Challenge for information.

Regional and Urban Planning

Minor course revisions:

PLAN 392.3 Early History of Geographic and Planning Thought

New title: History of the Built Environment from Antiquity to Early Modernity

New short title: History of the Built Environment

New course description: A lecture/seminar on the unfolding of built environments from early Antiquity to late Renaissance, and on the origins of urban planning. Relationship between Copper Age technology, and environmental myths, along with the founding of settlements, is reviewed, leading to discussion on archaic notions of the universe and the Ideal City. Origins of geography and planning are further examined in the classical Greco-Roman outlook on the natural and built environments. Subsequent Medieval withdrawal in rigorous thought, particularly as reflected in various Flat Earth notions, is discussed in context of built environments of the Middle Ages. Emergence of rigor in Scholastic thought during the late Medieval period is juxtaposed with the onset of the Little Ice Age and the subsequent urbanization of Europe. The Age of Discovery along with New World explorations, as related to Thomas More's Utopia, is shown related to the founding of New Towns in Europe during the Renaissance.

Edwards School of Business

The following items were approved at the March 19, 2021 Edwards Faculty Council and are submitted to the University Course Challenge for information:

OM 400.6 (Honours Seminar in Operations Management) be renamed SCMT 400.6 (Honours Seminar in Supply Chain Management), together with corresponding changes in the course description.

~~OM~~ SCMT 400.6: Honours Seminar in Supply Chain Management ~~Operations Management~~

Directed readings and individual research in the area of **supply chain management** ~~operations management~~. The major course requirement involves the preparation of an honours research paper under the supervision of one or more faculty in the particular area of specialization. The resulting honours paper is normally presented at a department seminar.

Weekly hours: 3 Seminar/Discussion Hours

Permission of the department required.

RATIONALE: The new name better corresponds to the major's name.



College of Engineering Submission to University Course Challenge

April 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 for information.

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

For Information

- To change the prerequisites of CE 464.3 Water Process Engineering,
From
Prerequisite(s): CE 315 (taken) or BLE 431 (taken) and GE 348 (taken), and CE 319
To
Prerequisite(s): CE 319, CE 315 (taken), and GE 348 (taken).
Rationale: BLE 431 no longer exists.
- To change the prerequisites of CE 418.3 Design in Reinforced Concrete,
From
Prerequisite(s): CE 321 (taken)
To
Prerequisite(s): CE 321.
Rationale: The prerequisite of CE 321 is more than a weak prerequisite (taken) meant more for timing of courses in the program. Similar course CE 470 has CE 321 as a full prerequisite.