The following Motions and Documents were considered by the GFCPrograms Committee at its Thursday, March 14, 2024 meeting:

Agenda Title: **Course, Minor Program, and Minor Regulation Changes**
- Augustana
- Education
- Engineering
- Kinesiology, Sport and Recreation
- Pharmacy
- Rehabilitation Medicine
- School of Public Health
- Science

CARRIED MOTION:
THAT the GFC Programs Committee approve, with delegated authority from General Faculties Council, the attached submissions from the Faculties of. Augustana- Education- Engineering- Kinesiology, Sport and Recreation- Pharmacy- Rehabilitation Medicine- School of Public Health- Science.

Final Item: 4.

FINAL ITEM NO. 4

Decision ☒ Discussion ☐ Information ☐

ITEM OBJECTIVE: To approve course, minor program, and minor regulations changes for the Faculties of Augustana; Education; Engineering; Kinesiology, Sport and Recreation; Pharmacy; Rehabilitation Medicine; School of Public Health; and Science.

DATE	March 14, 2024
TO	GFC Programs Committee
RESPONSIBLE PORTFOLIO	Provost and Vice-President (Academic)

MOTION: THAT the GFC Programs Committee approve, with delegated authority from General Faculties Council, the attached submissions from the Faculties of Augustana; Education; Engineering; Kinesiology, Sport and Recreation; Pharmacy; Rehabilitation Medicine; School of Public Health; and Science.

EXECUTIVE SUMMARY:

All routine course, minor program, and minor regulation changes that do not involve or affect other Faculties or units, and do not form part of a proposal for a new program or a substantive program change, are approved regularly by the GFC Programs Committee in an omnibus motion.

See individual item for Faculty Council approval information.

Supporting Materials:

Attachments:

1. Augustana
2. Education
3. Engineering
4. Kinesiology, Sport and Recreation
5. Pharmacy
6. Rehabilitation Medicine
7. School of Public Health
8. Science

GOVERNANCE OUTLINE

UNIVERSITY OF ALBERTA

Calendar Change Request Form
for Course Changes

See the Calendar Guide for tips on how to complete this form.

Faculty (& Department or Academic Unit):	Augustana - Department of Fine Arts and Humanities
Contact Person:	Jonathan Hawkins
Level of change: (choose one only) [?]	☑ Undergraduate
	☐ Graduate
For which term will this change take effect?	Fall 2024

Rationale

Things to consider (maximum 500 words): Why is this being changed; How will it benefit students/department/unit; How is this comparable to similar programs (internal or external); Historical context; Impacts to administration or program structure; Consultation with stakeholders

The following course changes represent minor changes in course titles, numbers, descriptions and prerequisites arising out of the significant program changes of the last two years, and to ease course scheduling difficulties experienced by students from many senior-level courses only being offered in alternate years.

Course Template

Current: ~~Removed language~~	**Proposed:** New language
Subject & Number: AUART 230 **Title: Special Topics in Drawing** **Course Career** Undergraduate **Units** 3 **Approved Hours** 0-6L-0 **Fee index** 6 **Faculty** Augustana Faculty **Department** AU Fine Arts **Typically Offered** either term **Description:** An introductory drawing course that explores contemporary themes germane to other disciplines. ~~Prerequisite: Second year standing or consent of the instructor (based on portfolio submission).~~	**Subject & Number: AUART 230** **Title: Special Topics in Drawing** **Course Career** Undergraduate **Units** 3 **Approved Hours** 0-6L-0 **Fee index** 6 **Faculty** Augustana Faculty **Department** AU Fine Arts **Typically Offered** either term **Description:** An introductory drawing course that explores contemporary themes germane to other disciplines.

Subject & Number: AUART ~~231~~ **Title: Drawing I: A Basic Toolkit** **Course Career** Undergraduate **Units** 3 **Approved Hours** 0-6L-0 **Fee index** 6 **Faculty** Augustana Faculty **Department** AU Fine Arts **Typically Offered** either term **Description:** An introductory course focused exclusively on the practice of drawing. Historical and contemporary techniques are used to explore a balance of directly observed, and photography-based, subject matter. ~~Prerequisite: Second year standing or consent of the instructor (based on portfolio submission).~~ Requires payment of additional student instructional support fees. Refer to the Fees Payment Guide in the University Regulations and Information for Students section of the Calendar.	**Subject & Number: AUART 131** **Title: Drawing I: A Basic Toolkit** **Course Career** Undergraduate **Units** 3 **Approved Hours** 0-6L-0 **Fee index** 6 **Faculty** Augustana Faculty **Department** AU Fine Arts **Typically Offered** either term **Description:** An introductory course focused exclusively on the practice of drawing. Historical and contemporary techniques are used to explore a balance of directly observed, and photography-based, subject matter. Note: Credit may be obtained for only one of AUART 121 and AUART 231 (2024). Requires payment of additional student instructional support fees. Refer to the Fees Payment Guide in the University Regulations and Information for Students section of the Calendar.
Subject & Number: AUART 232 **Title: Drawing II: The Figure** **Course Career** Undergraduate **Units** 3 **Approved Hours** 0-6L-0 **Fee index** 6 **Faculty** Augustana Faculty **Department** AU Fine Arts **Typically Offered** either term **Description:** Further exploration of drawing practice with the application of observational and conceptual skills that focuses on the figure. Includes an examination of anatomy, the portrait, and the expressive potential of the human form. Prerequisite: ~~Second year standing and either 111, 231, 230 or consent of the instructor.~~ Requires payment of additional student instructional support fees. Refer to the Fees Payment Guide in the University Regulations and Information for Students section of the Calendar.	**Subject & Number: AUART 232** **Title: Drawing II: The Figure** **Course Career** Undergraduate **Units** 3 **Approved Hours** 0-6L-0 **Fee index** 6 **Faculty** Augustana Faculty **Department** AU Fine Arts **Typically Offered** either term **Description:** Further exploration of drawing practice with the application of observational and conceptual skills that focuses on the figure. Includes an examination of anatomy, the portrait, and the expressive potential of the human form. Prerequisite: One of AUART 111, 131, 230, or 231 (2024). Requires payment of additional student instructional support fees. Refer to the Fees Payment Guide in the University Regulations and Information for Students section of the Calendar.

Subject & Number: AUART 270 **Title: Special Topics in Painting** **Course Career** Undergraduate **Units** 3 **Approved Hours** 0-6L-0 **Fee index** 6 **Faculty** Augustana Faculty **Department** AU Fine Arts **Typically Offered** either term **Description:** An introductory painting course that explores contemporary themes germane to other disciplines. This is a water-based media course: ink and/or watercolour and/or acrylic. ~~Prerequisite: Second year standing or consent of the instructor (based on portfolio submission).~~	**Subject & Number: AUART 270** **Title: Special Topics in Painting** **Course Career** Undergraduate **Units** 3 **Approved Hours** 0-6L-0 **Fee index** 6 **Faculty** Augustana Faculty **Department** AU Fine Arts **Typically Offered** either term **Description:** An introductory painting course that explores contemporary themes germane to other disciplines. This is a water-based media course: ink and/or watercolour and/or acrylic.
Subject & Number: AUART ~~271~~ **Title: Painting I: A Basic Toolkit (Oil)** **Course Career** Undergraduate **Units** 3 **Approved Hours** 0-6L-0 **Fee index** 6 **Faculty** Augustana Faculty **Department** AU Fine Arts **Typically Offered** either term **Description:** Painting from the ground up. The course introduces painting techniques in oil media. Perceptual and conceptual problems are based on historical and contemporary practices with an emphasis on personal creativity. Critical analysis of art is a component. ~~Prerequisites: Second year standing.~~ Requires payment of additional student instructional support fees. Refer to the Fees Payment Guide in the University Regulations and Information for Students section of the Calendar.	**Subject & Number: AUART 171** **Title: Painting I: A Basic Toolkit (Oil)** **Course Career** Undergraduate **Units** 3 **Approved Hours** 0-6L-0 **Fee index** 6 **Faculty** Augustana Faculty **Department** AU Fine Arts **Typically Offered** either term **Description:** Painting from the ground up. The course introduces painting techniques in oil media. Perceptual and conceptual problems are based on historical and contemporary practices with an emphasis on personal creativity. Critical analysis of art is a component. Note: Credit may be obtained for only one of AUART 171 and AUART 271 (2024). Requires payment of additional student instructional support fees. Refer to the Fees Payment Guide in the University Regulations and Information for Students section of the Calendar.
Subject & Number: AUART 272 **Title: Painting II: ~~Concepts and Approaches~~** **Course Career** Undergraduate **Units** 3 **Approved Hours** 0-6L-0 **Fee index** 6 **Faculty** Augustana Faculty **Department** AU Fine Arts **Typically Offered** either term	**Subject & Number: AUART 272** **Title: Painting II: Advanced Painting** **Course Career** Undergraduate **Units** 3 **Approved Hours** 0-6L-0 **Fee index** 6 **Faculty** Augustana Faculty **Department** AU Fine Arts **Typically Offered** either term

Description: ~~Further exploration of painting practice, using oil and/or acrylic painting techniques based on historical and contemporary resources. Critical analysis is included. Varieties of conceptual contexts and individual expressive directions are investigated. Prerequisite: AUART 271 or 270 or consent of the instructor (based on portfolio submission).~~ Requires payment of additional student instructional support fees. Refer to the Fees Payment Guide in the University Regulations and Information for Students section of the Calendar.	**Description:** Advanced painting course that further develops techniques (in oil) and concepts with a focus on contemporary practices, leading to self-initiated projects. Prerequisite: AUART 171 or AUART 271 (2024) or approval of instructor based on a portfolio submission. Requires payment of additional student instructional support fees. Refer to the Fees Payment Guide in the University Regulations and Information for Students section of the Calendar.
Subject & Number: AUART ~~371~~ **Title: Painting III: Contemporary Ideas In Painting** **Course Career** Undergraduate **Units** 3 **Approved Hours** 0-6L-0 **Fee index** 6 **Faculty** Augustana Faculty **Department** AU Fine Arts **Typically Offered** either term **Description:** Senior painting course that further develops techniques and concepts with a focus on contemporary practices, leading to self-initiated projects. Prerequisite: AUART 272 ~~or~~ approval of instructor ~~based on a portfolio submission~~. Requires payment of additional student instructional support fees. Refer to the Fees Payment Guide in the University Regulations and Information for Students section of the Calendar.	**Subject & Number: AUART 372** **Title: Painting III: Contemporary Ideas In Painting** **Course Career** Undergraduate **Units** 3 **Approved Hours** 0-6L-0 **Fee index** 6 **Faculty** Augustana Faculty **Department** AU Fine Arts **Typically Offered** either term **Description:** Senior painting course that further develops techniques and concepts with a focus on contemporary practices, leading to self-initiated projects. Prerequisite: AUART 272 and approval of instructor. Note: Credit may be obtained for only one of AUART 372 and AUART 371 2024). Requires payment of additional student instructional support fees. Refer to the Fees Payment Guide in the University Regulations and Information for Students section of the Calendar.

Reviewed/Approved by:

REQUIRED: Augustana Faculty Council - December 1, 2023.
OPTIONAL: Augustana Curriculum Committee - November 22, 2023.

UNIVERSITY OF ALBERTA

Calendar Change Request Form
for Course Changes

See the Calendar Guide for tips on how to complete this form.

Faculty (& Department or Academic Unit):	Augustana - Department of Science
Contact Person:	Jonathan Hawkins
Level of change: (choose one only) [?]	☑ Undergraduate
	☐ Graduate
For which term will this change take effect?	Fall 2024

Rationale

Things to consider (maximum 500 words): Why is this being changed; How will it benefit students/department/unit; How is this comparable to similar programs (internal or external); Historical context; Impacts to administration or program structure; Consultation with stakeholders

Now that the Augustana Science Foundations program has been fully phased out, these courses are no longer required and can be deleted.

Course Template

Current: ~~Removed language~~	**Proposed:** New language
~~**Subject & Number: AUBIO 214**~~ ~~**Title: Evolution and Biodiversity**~~ ~~**Course Career** Undergraduate~~ ~~**Units** 3~~ ~~**Approved Hours** 3-0-0~~ ~~**Fee index** 6~~ ~~**Faculty** Augustana Faculty~~ ~~**Department** AU Science~~ ~~**Typically Offered** either term~~ ~~**Description:**~~ ~~The course focuses on the evolution of biological diversity, including the mechanisms responsible for evolutionary change and the adaptations associated with the evolution of the major groups of organisms.~~ ~~Prerequisites: AUBIO 111 and AUSCI 115 (2022). Note: Credit may be obtained for only one of AUBIO 112, AUBIO 212 (2022) or AUBIO 214.~~	**Course to be deleted**

Subject & Number: AUCHE 213 **Title: General Chemistry Lab II** **Course Career** Undergraduate **Units** 3 **Approved Hours** 1-0-3 **Fee index** 6 **Faculty** Augustana Faculty **Department** AU Science **Typically Offered** either term **Description:** This lab course introduces students to fundamental concepts in chemistry and foundational chemistry lab techniques. Concepts include atomic structure, reaction kinetics and electrochemistry. Techniques include rudimentary reaction set-ups, analytical testing, product characterization and use of basic chemical laboratory instrumentation. Co-requisites: AUCHE 212.	**Course to be deleted**
Subject & Number: AUCHE 214 **Title: General Chemistry II** **Course Career** Undergraduate **Units** 3 **Approved Hours** 3-0-0 **Fee index** 6 **Faculty** Augustana Faculty **Department** AU Science **Typically Offered** either term **Description:** Continuation of AUCHE 110. Topics include atomic structure, periodic trends, reaction kinetics, thermodynamics, chemical equilibria, and hybrid theory. Prerequisite: AUCHE 110. Note: Credit may be obtained for only one of AUCHE 112, AUCHE 212 (2022) or AUCHE 214.	**Course to be deleted**

Reviewed/Approved by:

REQUIRED: Augustana Faculty Council - November 3, 2023.
OPTIONAL: Augustana Curriculum Committee - October 25, 2023.

UNIVERSITY OF ALBERTA

Calendar Change Request Form
for Course Changes

See the Calendar Guide for tips on how to complete this form.

Faculty (& Department or Academic Unit):	Augustana - Department of Science
Contact Person:	Jonathan Hawkins
Level of change: (choose one only) [?]	☑ Undergraduate
	☐ Graduate
For which term will this change take effect?	Fall 2024

Rationale

Things to consider (maximum 500 words): Why is this being changed; How will it benefit students/department/unit; How is this comparable to similar programs (internal or external); Historical context; Impacts to administration or program structure; Consultation with stakeholders

Introduction of a new course in the BSc - Computing Science and Mathematics program at Augustana.

Course Template

Current: ~~Removed language~~	**Proposed:** New language
New	**Subject & Number: AUCSC 325** **Title: Software Testing and Quality Assurance** **Course Career** Undergraduate **Units** 3 **Approved Hours** 3-0-1.5 **Fee index** 6 **Faculty** Augustana Faculty **Department** AU Science **Typically Offered** either term **Description:** Introduces students to systematic testing of software systems and how to improve software reliability and quality, and sustainability. Topics include development and use of test cases, code inspection, coverage criteria, black box testing, white box testing, fuzzing, unit and regression testing, debugging and bug fixing process, performance, energy, and sustainability testing. Prerequisites: AUCSC 220 and AUMAT 250.

Reviewed/Approved by:

REQUIRED: Augustana Faculty Council - November 3, 2023.
OPTIONAL: Augustana Curriculum Committee - October 25, 2023.

UNIVERSITY OF ALBERTA

Calendar Change Request Form
for Course Changes

See the Calendar Guide for tips on how to complete this form.

Faculty (& Department or Academic Unit):	Augustana - Department of Science
Contact Person:	Jonathan Hawkins
Level of change: (choose one only) [?]	☑ Undergraduate
	☐ Graduate
For which term will this change take effect?	Fall 2024

Rationale

Things to consider (maximum 500 words): Why is this being changed; How will it benefit students/department/unit; How is this comparable to similar programs (internal or external); Historical context; Impacts to administration or program structure; Consultation with stakeholders

The following course changes represent minor changes in course titles, number, descriptions and prerequisites arising out of Augustana Departments adjusting to the significant program changes of the last two years, and to ease course scheduling difficulties experienced by students from most senior-level courses only be offered in alternate years in the Environmental Science program..

Course Template

Current: ~~Removed language~~	**Proposed:** New language
Subject & Number: AUBIO 334 **Title: Research and Field Skills in Environmental Science** **Course Career** Undergraduate **Units** 3 **Approved Hours** VARIABLE **Fee index** 6 **Faculty** Augustana Faculty **Department** AU Science **Typically Offered** either term **Description:** A 3-week field course that provides students an opportunity to develop skills in research and study design in the field of Environmental Science and Ecology. Students will ~~live in a field camp~~ to allow them to fully immerse themselves in their research projects, which could cover the range of ecology, botany, geography, environmental science, and/or environmental studies. Course content also includes instruction in key aspects of conservation biology and resource management. Prerequisites: ~~AUSTA 215 and AUENV 120 or AUGEO 120 (2021)~~ and one of AUENV 218, AUENV 230, AUGEO 218 (2021), AUGEO 230 (2021), AUENV 252, AUBIO 253. Notes: Credit may be obtained for only one of AUBIO 334, AUENV 334 and AUGEO 334 (2021).	**Subject & Number: AUBIO 334** **Title: Research and Field Skills in Environmental Science** **Course Career** Undergraduate **Units** 3 **Approved Hours** VARIABLE **Fee index** 6 **Faculty** Augustana Faculty **Department** AU Science **Typically Offered** either term **Description:** A 3-week field course that provides students an opportunity to develop skills in research and study design in the field of Environmental Science and Ecology. Students will spend much of the course at the Augustana Miquelon Lake Research Station to allow them to fully immerse themselves in their research projects, which could cover the range of ecology, botany, geography, environmental science, and/or environmental studies. Course content also includes instruction in key aspects of conservation biology and resource management. Prerequisites: One of AUSTA 125, AUSTA 213, AUSTA 215, and one of AUENV 218, AUENV 230, AUGEO 218 (2021), AUGEO 230 (2021), AUENV 252, AUBIO 253. Notes: Credit may be obtained for only one of AUBIO 334, AUENV 334 and AUGEO 334 (2021).

Subject & Number: AUENV 220 **Title:** ~~**Applications in Sustainability**~~ **Course Caree**r Undergraduate **Units** 3 **Approved Hours** 3-0-0 **Fee index** 6 **Faculty** Augustana Faculty **Department** AU Science **Typically Offered** either term **Description** ~~An introductory course in the theoretical and applied aspects of sustainability as it relates to key categories of energy, food, water, pollution, waste and their impacts on the environment. Current technological advances and emerging initiatives based on lowering our ecological footprint provide a basis for examining sustainability science as it relates to environmental challenges in a changing world.~~	**Subject & Number**: **AUENV 220** **Title:** **Foundations of Sustainability** **Course Caree**r Undergraduate **Units** 3 **Approved Hours** 3-0-0 **Fee index** 6 **Faculty** Augustana Faculty **Department** AU Science **Typically Offered** either term **Description** This course provides an introduction to the history of sustainability as a concept, contemporary sustainability issues, and some of the diverse perspectives that can be held approaching sustainability. The course will especially focus on introducing aspects of sustainable development especially as it relates to the implementation of the United Nations Sustainable Development Goals (SDGs) and provide coverage on the interconnections, trade-offs and barriers associated with them.
Subject & Number: AUENV 233 **Title: Soil Science and Soil Resources** **Course Caree**r Undergraduate **Units** 3 **Approved Hours** ~~3-0-3/2~~ **Fee index** 6 **Faculty** Augustana Faculty **Department** AU Science **Typically Offered** either term **Description:** Soil characteristics, formation, processes, occurrence, classification, and management in the natural and modified environment. Prerequisites: ~~+~~3 ~~course~~ in AUBIO, AUCHE, AUENV, or AUPHY. Notes: Credit may be obtained for only one of AUENV 233 and AUGEO 233 (2021).	**Subject & Number: AUENV 233** **Title: Soil Science and Soil Resources** **Course Caree**r Undergraduate **Units** 3 **Approved Hours** 3-0-1.5 **Fee index** 6 **Faculty** Augustana Faculty **Department** AU Science **Typically Offered** either term **Description:** Soil characteristics, formation, processes, occurrence, classification, and management in the natural and modified environment. Prerequisites: 3 units in AUBIO, AUCHE, AUENV, or AUPHY. Notes: Credit may be obtained for only one of AUENV 233 and AUGEO 233 (2021).

Subject & Number: AUENV 234 **Title: Research and Field Skills in Environmental Science** **Course Career** Undergraduate **Units** 3 **Approved Hours** 3-0-0 **Fee index** 6 **Faculty** Augustana Faculty **Department** AU Science **Typically Offered** either term **Description:** An introductory methods-based course to establish and develop methods and skills of the environmental science discipline while applying the scientific method in various ecosystems of Alberta. Prerequisite: AUENV 120.	**Subject & Number: AUENV 234** **Title: Research and Field Skills in Environmental Science** **Course Career** Undergraduate **Units** 3 **Approved Hours** 3-0-0 **Fee index** 6 **Faculty** Augustana Faculty **Department** AU Science **Typically Offered** either term **Description:** An introductory methods-based course to establish and develop methods and skills of the environmental science discipline while applying the scientific method in various ecosystems of Alberta. Prerequisite: AUENV 120 or AUBIO 112.
Subject & Number: AUENV ~~331~~ **Title: Science of the Climate Crisis** **Course Career** Undergraduate **Units** 3 **Approved Hours** 3-0-0 **Fee index** 6 **Faculty** Augustana Faculty **Department** AU Science **Typically Offered** either term **Description:** Climate change is one of the greatest challenges facing humanity. This course provides students an opportunity to develop familiarity and critical reasoning about the empirical evidence for and science behind the global climate crisis. With a global reach, we will consider the international scope of climate change, but a focus will be placed on developing a Canadian context. This is a seminar-style course - one driven by discussion and in which students will take on leadership roles of introducing materials and guiding discussions. Prerequisites: ~~AUENV 231;~~ Third-year standing.	**Subject & Number: AUENV 431** **Title: Science of the Climate Crisis** **Course Career** Undergraduate **Units** 3 **Approved Hours** 3-0-0 **Fee index** 6 **Faculty** Augustana Faculty **Department** AU Science **Typically Offered** either term **Description:** Climate change is one of the greatest challenges facing humanity. This course provides students an opportunity to develop familiarity and critical reasoning about the empirical evidence for and science behind the global climate crisis. With a global reach, we will consider the international scope of climate change, but a focus will be placed on developing a Canadian context. This is a seminar-style course - one driven by discussion and in which students will take on leadership roles of introducing materials and guiding discussions. Prerequisites: Third-year standing. Note: Credit may be obtained for only one of AUENV 431 and AUENV 331 (2024).

Subject & Number: AUENV 334 **Title: Research and Field Skills in Environmental Science** **Course Career** Undergraduate **Units** 3 **Approved Hours** VARIABLE **Fee index** 6 **Faculty** Augustana Faculty **Department** AU Science **Typically Offered** either term **Description:** A 3-week field course that provides students an opportunity to develop skills in research and study design in the field of Environmental Science and Ecology. Students will ~~live in a field camp~~ to allow them to fully immerse themselves in their research projects, which could cover the range of ecology, botany, geography, environmental science, and/or environmental studies. Course content also includes instruction in key aspects of conservation biology and resource management. Prerequisites: ~~AUSTA 215 and AUENV 120 or AUGEO 120 (2021)~~ and one of AUENV 218, AUENV 230, AUGEO 218 (2021), AUGEO 230 (2021), AUENV 252, AUBIO 253. Notes: Credit may be obtained for only one of AUBIO 334, AUENV 334 and AUGEO 334 (2021).	**Subject & Number: AUENV 334** **Title: Research and Field Skills in Environmental Science** **Course Career** Undergraduate **Units** 3 **Approved Hours** VARIABLE **Fee index** 6 **Faculty** Augustana Faculty **Department** AU Science **Typically Offered** either term **Description:** A 3-week field course that provides students an opportunity to develop skills in research and study design in the field of Environmental Science and Ecology. Students will spend much of the course at the Augustana Miquelon Lake Research Station to allow them to fully immerse themselves in their research projects, which could cover the range of ecology, botany, geography, environmental science, and/or environmental studies. Course content also includes instruction in key aspects of conservation biology and resource management. Prerequisites: One of AUSTA 125, AUSTA 213, AUSTA 215, and one of AUENV 218, AUENV 230, AUGEO 218 (2021), AUGEO 230 (2021), AUENV 252, AUBIO 253. Notes: Credit may be obtained for only one of AUBIO 334, AUENV 334 and AUGEO 334 (2021).
Subject & Number: AUENV 335 **Title: Wildlife Ecology and Management** **Course Career** Undergraduate **Units** 3 **Approved Hours** 3-0-0 **Fee index** 6 **Faculty** Augustana Faculty **Department** AU Science **Typically Offered** either term **Description:** Theory and practices in the study and management of wildlife populations and communities. Population dynamics, habitat assessment and management, conservation challenges, and emerging trends. Computational models and assignments aid theoretical understanding of material. Prerequisites: ~~AUENV 252;~~ AUBIO 253; AUSTA 215.	**Subject & Number: AUENV 335** **Title: Wildlife Ecology and Management** **Course Career** Undergraduate **Units** 3 **Approved Hours** 3-0-0 **Fee index** 6 **Faculty** Augustana Faculty **Department** AU Science **Typically Offered** either term **Description:** Theory and practices in the study and management of wildlife populations and communities. Population dynamics, habitat assessment and management, conservation challenges, and emerging trends. Computational models and assignments aid theoretical understanding of material. Prerequisites: AUBIO 253; AUSTA 215.

Reviewed/Approved by:

REQUIRED: Augustana Faculty Council - November 3, 2023.

OPTIONAL: Augustana Curriculum Committee - October 25, 2023.

UNIVERSITY OF ALBERTA

Calendar Change Request Form
for Course Changes

See the Calendar Guide for tips on how to complete this form.

Faculty (& Department or Academic Unit):	Augustana - Department of Social Sciences
Contact Person:	Jonathan Hawkins
Level of change: (choose one only) [?]	☑ Undergraduate
	☐ Graduate
For which term will this change take effect?	Fall 2024

Rationale

Things to consider (maximum 500 words): Why is this being changed; How will it benefit students/department/unit; How is this comparable to similar programs (internal or external); Historical context; Impacts to administration or program structure; Consultation with stakeholders

The following course changes represent minor changes in course titles,descriptions and prerequisites arising from instructional changes for some of the Physical Education courses offered by Augustana Faculty.

Course Template

Current: ~~Removed language~~	**Proposed:** New language
Subject & Number: AUPED 317 **Title:** ~~**Exercise in Special Populations**~~ **Course Career** Undergraduate **Units** 3 **Approved Hours** 3-0-0 **Fee index** 6 **Faculty** Augustana Faculty **Department** AU Social Sciences **Typically Offered** either term **Description:** ~~This course will examine the use of physical activity in the treatment and/or prevention of chronic health conditions. There will be a particular focus on ageing, obesity, diabetes, and cardiovascular disease in class, with an~~ opportunity to explore the therapeutic use of exercise in other chronic conditions independently. Prerequisites: ~~AUPED 216,~~ AUPED 314 or consent of the instructor.	**Subject & Number: AUPED 317** **Title:** **Fitness Appraisal and Exercise Prescription** **Course Career** Undergraduate **Units** 3 **Approved Hours** 3-0-0 **Fee index** 6 **Faculty** Augustana Faculty **Department** AU Social Sciences **Typically Offered** either term **Description:** Study of both theoretical and practical skill-sets in the fundamentals of lifestyle appraisal and exercise prescription to assist individuals acquire health and well-being outcomes across all ages. There will be an opportunity to explore the therapeutic use of exercise in other chronic conditions independently. Prerequisites: AUPED 314 or consent of the instructor.

Subject & Number: AUPED 343 **Title:** ~~**Training Methodologies and Athletic Performance**~~ **Course Career** Undergraduate **Units** 3 **Approved Hours** 3-0-0 **Fee index** 6 **Faculty** Augustana Faculty **Department** AU Social Sciences **Typically Offered** either term **Description:** Study of ~~current training and conditioning methodologies used to prepare athletes.~~ The course emphasizes physiological adaptation, specificity, and factors that influence the training process. Prerequisite: AUPED 314. ~~Note: Open only to a student with a major or minor in Physical Education.~~	**Subject & Number: AUPED 343** **Title:** **Physiological Factors and Principles of Human Performance** **Course Career** Undergraduate **Units** 3 **Approved Hours** 3-0-0 **Fee index** 6 **Faculty** Augustana Faculty **Department** AU Social Sciences **Typically Offered** either term **Description:** Study of the physiological factors and principles of training affecting human performance. The course emphasizes physiological adaptation, specificity, and factors that influence the training process. Prerequisite: AUPED 314.
Subject & Number: AUPED 393 **Title:** ~~**Tests and Measurements in Physical Education**~~ **Course Career** Undergraduate **Units** 3 **Approved Hours** 3-0-0 **Fee index** 6 **Faculty** Augustana Faculty **Department** AU Social Sciences **Typically Offered** either term **Description:** ~~Administration, construction, and analysis of tests and measurements utilized in health and physical education. Descriptive and inferential statistics are emphasized.~~ Note: Students must have at least third year standing.	**Subject & Number: AUPED 393** **Title:** **Physiological Assessment of Human Fitness** **Course Career** Undergraduate **Units** 3 **Approved Hours** 3-0-0 **Fee index** 6 **Faculty** Augustana Faculty **Department** AU Social Sciences **Typically Offered** either term **Description:** Study of protocols and the physiological principles underlying tests of fitness and performance assessment. Prerequisites: AUSTA 153; AUPED 314. Note: Students must have at least third year standing.

Reviewed/Approved by:

REQUIRED: Augustana Faculty Council - December 1, 2023.
OPTIONAL: Augustana Curriculum Committee - November 22, 2023.

UNIVERSITY OF ALBERTA

Calendar Change Request Form
for Course Changes

See the Calendar Guide for tips on how to complete this form.

Faculty (& Department or Academic Unit):	Augustana - Department of Science
Contact Person:	Jonathan Hawkins
Level of change: (choose one only) [?]	☑ Undergraduate
	☐ Graduate
For which term will this change take effect?	Fall 2024

Rationale

Things to consider (maximum 500 words): Why is this being changed; How will it benefit students/department/unit; How is this comparable to similar programs (internal or external); Historical context; Impacts to administration or program structure; Consultation with stakeholders

Introduction of new courses in Mathematics and Physics to support the BSc - Chemical and Physical Sciences program at Augustana.

Course Template

Current: ~~Removed language~~	**Proposed:** New language
New	**Subject & Number: AUMAT 316** **Title: Mathematical Methods in Physics** **Course Career** Undergraduate **Units** 3 **Approved Hours** 3-0-0 **Fee index** 6 **Faculty** Augustana Faculty **Department** AU Science **Typically Offered** either term **Description:** Senior topics in calculus and mathematical methods in physics. Topics include: coordinate systems; applications of single integrals; multiple integrals and applications; vector analysis; ordinary differential equations; partial differential equations; complex numbers. Prerequisites: AUMAT 216.

New	**Subject & Number: AUPHY 170** **Title: Introduction to Astronomy** **Course Career** Undergraduate **Units** 3 **Approved Hours** 3-0-0 **Fee index** 6 **Faculty** Augustana Faculty **Department** AU Science **Typically Offered** either term **Description:** An exploration of the nature of our universe and the process and instruments by which we have come to our present understanding. Topics include: celestial motion; the solar system; electromagnetic radiation, telescopes, and detectors; stars; galaxies; formation and evolution.
New	**Subject & Number: AUPHY 375** **Title: Astronomical Imaging and Measurement** **Course Career** Undergraduate **Units** 3 **Approved Hours** 3-0-1.5 **Fee index** 6 **Faculty** Augustana Faculty **Department** AU Science **Typically Offered** either term **Description:** An introduction to observational astronomy utilizing the Hejse Observatory to image and measure objects such as the Moon, planets, stars, star clusters and nebulae. Topics include: telescopes; observatory operation; CCD cameras; astrophotography; image processing; photometry; spectroscopy; data reduction and Interpretation. Prerequisites: AUPHY 250, AUPHY 270

Reviewed/Approved by:

REQUIRED: Augustana Faculty Council - December 1, 2023.
OPTIONAL: Augustana Curriculum Committee - November 22, 2023.

UNIVERSITY OF ALBERTA

Calendar Change Request Form
for Course Changes

See the Calendar Guide for tips on how to complete this form.

Faculty (& Department or Academic Unit):	Augustana - Department of Fine Arts and Humanities
Contact Person:	Jonathan Hawkins
Level of change: (choose one only) [?]	☑ Undergraduate
	☐ Graduate
For which term will this change take effect?	Fall 2024

Rationale

Things to consider (maximum 500 words): Why is this being changed; How will it benefit students/department/unit; How is this comparable to similar programs (internal or external); Historical context; Impacts to administration or program structure; Consultation with stakeholders

The proposed changes restructure the hours of classroom and language lab instruction, which will allow students more flexibility in their course scheduling. References to Language majors and minors which are no longer offered by Augustana are also removed.

Course Template

Current: ~~Removed language~~	**Proposed:** New language
Subject & Number: AUFRE 101 **Title: Beginners' French I** **Course Career** Undergraduate **Units** 3 **Approved Hours** ~~4-0-0~~ **Fee index** 6 **Faculty** Augustana Faculty **Department** AU Fine Arts **Typically Offered** either term **Description:** AUFRE 101 and 102 are designed to develop ability in reading and writing French, with a strong emphasis on the development of comprehension and oral communication skills. During this process the student participates in a wide variety of interactive activities and is also exposed to contemporary francophone culture. These two courses not only encourage the student to think critically about the principles of grammar as they relate to the French language, but also stimulate an in-depth understanding of the principles by which language functions in general. These two courses also lead the student through the steps of reflective learning as they consider and discuss language learning strategies. Notes: The course is not open to a student with credit in French 20, or to a student with French 30 or equivalent. ~~AUFRE 101 does not count toward the major in Modern Languages or the minor in French.~~	**Subject & Number: AUFRE 101** **Title: Beginners' French I** **Course Career** Undergraduate **Units** 3 **Approved Hours** 3-0-1 **Fee index** 6 **Faculty** Augustana Faculty **Department** AU Fine Arts **Typically Offered** either term **Description:** AUFRE 101 and 102 are designed to develop ability in reading and writing French, with a strong emphasis on the development of comprehension and oral communication skills. During this process the student participates in a wide variety of interactive activities and is also exposed to contemporary francophone culture. These two courses not only encourage the student to think critically about the principles of grammar as they relate to the French language, but also stimulate an in-depth understanding of the principles by which language functions in general. These two courses also lead the student through the steps of reflective learning as they consider and discuss language learning strategies. Notes: The course is not open to a student with credit in French 20, or to a student with French 30 or equivalent.

Subject & Number: AUFRE 102 **Title: Beginners' French II** **Course Career** Undergraduate **Units** 3 **Approved Hours** ~~4-0-0~~ **Fee index** 6 **Faculty** Augustana Faculty **Department** AU Fine Arts **Typically Offered** either term **Description:** Continuation of AUFRE 101. Prerequisite: French 20 or AUFRE 101 or consent of the instructor. Notes: The course is not open to a student with French 30 or equivalent. ~~AUFRE 102 does not count toward the major in Modern Languages or the minor in French.~~	**Subject & Number: AUFRE 102** **Title: Beginners' French II** **Course Career** Undergraduate **Units** 3 **Approved Hours** 3-0-1 **Fee index** 6 **Faculty** Augustana Faculty **Department** AU Fine Arts **Typically Offered** either term **Description:** Continuation of AUFRE 101. Prerequisite: French 20 or AUFRE 101 or consent of the instructor. Notes: The course is not open to a student with French 30 or equivalent.
Subject & Number: AUFRE 201 **Title: Intermediate French I** **Course Career** Undergraduate **Units** 3 **Approved Hours** ~~4-0-0~~ **Fee index** 6 **Faculty** Augustana Faculty **Department** AU Fine Arts **Typically Offered** either term **Description:** Intensive training in spoken and written French. The major focus is on communication. Prerequisite: French 30 or AUFRE 102. Notes: A student wishing to register in AUFRE 201 must first take an on-line placement test. The purpose of the test is to advise the student of the appropriate level at which to begin university French.	**Subject & Number: AUFRE 201** **Title: Intermediate French I** **Course Career** Undergraduate **Units** 3 **Approved Hours** 3-0-1 **Fee index** 6 **Faculty** Augustana Faculty **Department** AU Fine Arts **Typically Offered** either term **Description:** Intensive training in spoken and written French. The major focus is on communication. Prerequisite: French 30 or AUFRE 102. Notes: A student wishing to register in AUFRE 201 must first take an on-line placement test. The purpose of the test is to advise the student of the appropriate level at which to begin university French.
Subject & Number: AUFRE 202 **Title: Intermediate French II** **Course Career** Undergraduate **Units** 3 **Approved Hours** ~~4-0-0~~ **Fee index** 6 **Faculty** Augustana Faculty **Department** AU Fine Arts **Typically Offered** either term **Description:** Further development of the speaking, reading, and writing skills acquired in AUFRE 201. The major focus is on formal grammar. Prerequisite: One of AUFRE 201;	**Subject & Number: AUFRE 202** **Title: Intermediate French II** **Course Career** Undergraduate **Units** 3 **Approved Hours** 3-0-1 **Fee index** 6 **Faculty** Augustana Faculty **Department** AU Fine Arts **Typically Offered** either term **Description:** Further development of the speaking, reading, and writing skills acquired in AUFRE 201. The major focus is on formal grammar. Prerequisite: One of AUFRE 201;

French 31a or 31b or 31c, with a sufficient score on the on-line placement test; French Language Arts 20 or 30 (equal to French immersion), with a sufficient score on the on-line placement test; consent of the instructor.	French 31a or 31b or 31c, with a sufficient score on the on-line placement test; French Language Arts 20 or 30 (equal to French immersion), with a sufficient score on the on-line placement test; consent of the instructor.
Subject & Number: AUGER 101 **Title: Beginners' German I** **Course Career** Undergraduate **Units** 3 **Approved Hours** ~~4-0-0~~ **Fee index** 6 **Faculty** Augustana Faculty **Department** AU Fine Arts **Typically Offered** either term **Description:** German 101 and 102 are designed to develop ability in reading and writing German, with a strong emphasis on the development of comprehension and oral communication skills. During this process, the student participates in a wide variety of interactive activities and is also exposed to contemporary culture of German-speaking countries. These two courses not only encourage the student to think critically about the principles of grammar as they relate to the German language, but also stimulate an in-depth understanding of the principles by which language functions in general. These two courses also lead the student through the steps of reflective learning as they consider and discuss language learning strategies. Notes: The course is not open to a student with credit in German 30. ~~AUGER 101 does not count toward the major in Modern Languages or the minor in German.~~	**Subject & Number: AUGER 101** **Title: Beginners' German I** **Course Career** Undergraduate **Units** 3 **Approved Hours** 3-0-1 **Fee index** 6 **Faculty** Augustana Faculty **Department** AU Fine Arts **Typically Offered** either term **Description:** German 101 and 102 are designed to develop ability in reading and writing German, with a strong emphasis on the development of comprehension and oral communication skills. During this process, the student participates in a wide variety of interactive activities and is also exposed to contemporary culture of German-speaking countries. These two courses not only encourage the student to think critically about the principles of grammar as they relate to the German language, but also stimulate an in-depth understanding of the principles by which language functions in general. These two courses also lead the student through the steps of reflective learning as they consider and discuss language learning strategies. Notes: The course is not open to a student with credit in German 30.
Subject & Number: AUGER 102 **Title: Beginners' German II** **Course Career** Undergraduate **Units** 3 **Approved Hours** ~~4-0-0~~ **Fee index** 6 **Faculty** Augustana Faculty **Department** AU Fine Arts **Typically Offered** either term **Description:** Continuation of AUGER 101. Prerequisite: AUGER 101. Notes: The course is not open to a student with credit in German 30. ~~AUGER 102 does not count toward the major in Modern Languages or the minor in German.~~	**Subject & Number: AUGER 102** **Title: Beginners' German II** **Course Career** Undergraduate **Units** 3 **Approved Hours** 3-0-1 **Fee index** 6 **Faculty** Augustana Faculty **Department** AU Fine Arts **Typically Offered** either term **Description:** Continuation of AUGER 101. Prerequisite: AUGER 101. Notes: The course is not open to a student with credit in German 30.

Subject & Number: AUGER 201 **Title: Intermediate German I** **Course Career** Undergraduate **Units** 3 **Approved Hours** ~~4 0 0~~ **Fee index** 6 **Faculty** Augustana Faculty **Department** AU Fine Arts **Typically Offered** either term **Description:** Designed to develop fluency in speaking, with emphasis on comprehension and writing skills. The essential rules of grammar are studied. Prerequisite: ~~One of~~ AUGER 102, demonstration of AUGER 102 equivalency by means of a placement examination administered by the instructor. Note: Credit may be obtained for only one of AUGER 200, 201.	**Subject & Number: AUGER 201** **Title: Intermediate German I** **Course Career** Undergraduate **Units** 3 **Approved Hours** 3-0-1 **Fee index** 6 **Faculty** Augustana Faculty **Department** AU Fine Arts **Typically Offered** either term **Description:** Designed to develop fluency in speaking, with emphasis on comprehension and writing skills. The essential rules of grammar are studied. Prerequisite: AUGER 102 or demonstration of AUGER 102 equivalency by means of a placement examination administered by the instructor. Note: Credit may be obtained for only one of AUGER 200, 201.
Subject & Number: AUGER 202 **Title: Intermediate German II** **Course Career** Undergraduate **Units** 3 **Approved Hours** ~~4 0 0~~ **Fee index** 6 **Faculty** Augustana Faculty **Department** AU Fine Arts **Typically Offered** either term **Description:** Continuation of AUGER 201. Prerequisite: AUGER 201. Note: Credit may be obtained for only one of AUGER 202, 200.	**Subject & Number: AUGER 202** **Title: Intermediate German II** **Course Career** Undergraduate **Units** 3 **Approved Hours** 3-0-1 **Fee index** 6 **Faculty** Augustana Faculty **Department** AU Fine Arts **Typically Offered** either term **Description:** Continuation of AUGER 201. Prerequisite: AUGER 201. Note: Credit may be obtained for only one of AUGER 202, 200.
Subject & Number: AUSCA 101 **Title: Beginners' Norwegian I** **Course Career** Undergraduate **Units** 3 **Approved Hours** ~~4 0 0~~ **Fee index** 6 **Faculty** Augustana Faculty **Department** AU Fine Arts **Typically Offered** either term **Description:** AUSCA 101 and 102 are designed to develop ability in reading and writing Norwegian, with a strong emphasis on the development of comprehension and oral communication skills. During this process, the student	**Subject & Number: AUSCA 101** **Title: Beginners' Norwegian I** **Course Career** Undergraduate **Units** 3 **Approved Hours** 3-0-1 **Fee index** 6 **Faculty** Augustana Faculty **Department** AU Fine Arts **Typically Offered** either term **Description:** AUSCA 101 and 102 are designed to develop ability in reading and writing Norwegian, with a strong emphasis on the development of comprehension and oral communication skills. During this process, the student

participates in a wide variety of interactive activities and is also exposed to contemporary Norwegian culture. These two courses not only encourage the student to think critically about the principles of grammar as they relate to the Norwegian language, but also stimulate an in-depth understanding of the principles by which language functions in general. These two courses also lead the student through the steps of reflective learning as they consider and discuss language learning strategies.	participates in a wide variety of interactive activities and is also exposed to contemporary Norwegian culture. These two courses not only encourage the student to think critically about the principles of grammar as they relate to the Norwegian language, but also stimulate an in-depth understanding of the principles by which language functions in general. These two courses also lead the student through the steps of reflective learning as they consider and discuss language learning strategies.
Subject & Number: AUSCA 102 **Title: Beginners' Norwegian II** **Course Career** Undergraduate **Units** 3 **Approved Hours** ~~4 0 0~~ **Fee index** 6 **Faculty** Augustana Faculty **Department** AU Fine Arts **Typically Offered** either term **Description:** Continuation of AUSCA 101. Prerequisite: AUSCA 101.	**Subject & Number: AUSCA 102** **Title: Beginners' Norwegian II** **Course Career** Undergraduate **Units** 3 **Approved Hours** 3-0-1 **Fee index** 6 **Faculty** Augustana Faculty **Department** AU Fine Arts **Typically Offered** either term **Description:** Continuation of AUSCA 101. Prerequisite: AUSCA 101.
Subject & Number: AUSCA 201 **Title: Intermediate Norwegian I** **Course Career** Undergraduate **Units** 3 **Approved Hours** ~~4 0 0~~ **Fee index** 6 **Faculty** Augustana Faculty **Department** AU Fine Arts **Typically Offered** either term **Description:** Reading and study of selected texts in Norwegian literature and culture. Composition ~~and~~ conversation are emphasized. Prerequisite: AUSCA 102 or Consent of the Instructor.	**Subject & Number: AUSCA 201** **Title: Intermediate Norwegian I** **Course Career** Undergraduate **Units** 3 **Approved Hours** 3-0-1 **Fee index** 6 **Faculty** Augustana Faculty **Department** AU Fine Arts **Typically Offered** either term **Description:** Reading and study of selected texts in Norwegian literature and culture. Composition, conversation and intercultural competence are emphasized. Prerequisite: AUSCA 102 or Consent of the Instructor.
Subject & Number: AUSCA 202 **Title: Intermediate Norwegian II** **Course Career** Undergraduate **Units** 3 **Approved Hours** ~~4 0 0~~ **Fee index** 6 **Faculty** Augustana Faculty **Department** AU Fine Arts **Typically Offered** either term	**Subject & Number: AUSCA 202** **Title: Intermediate Norwegian II** **Course Career** Undergraduate **Units** 3 **Approved Hours** 3-0-1 **Fee index** 6 **Faculty** Augustana Faculty **Department** AU Fine Arts **Typically Offered** either term

Description: Continuation of AUSCA 201. Prerequisite: AUSCA 201.	**Description:** Continuation of AUSCA 201. Prerequisite: AUSCA 201 or consent of the instructor.
Subject & Number: AUSPA 101 **Title: Beginners' Spanish I** **Course Career** Undergraduate **Units** 3 **Approved Hours** ~~4 0 0~~ **Fee index** 6 **Faculty** Augustana Faculty **Department** AU Fine Arts **Typically Offered** either term **Description:** Introduction to the essentials of the Spanish language designed to develop ability in speaking and writing, with a strong emphasis on the development of oral communication skills. Note: Credit may be obtained for only one of AUSPA 101 and 103.	**Subject & Number: AUSPA 101** **Title: Beginners' Spanish I** **Course Career** Undergraduate **Units** 3 **Approved Hours** 3-0-1 **Fee index** 6 **Faculty** Augustana Faculty **Department** AU Fine Arts **Typically Offered** either term **Description:** Introduction to the essentials of the Spanish language designed to develop ability in speaking and writing, with a strong emphasis on the development of oral communication skills. Note: Credit may be obtained for only one of AUSPA 101 and 103.
Subject & Number: AUSPA 102 **Title: Beginners' Spanish II** **Course Career** Undergraduate **Units** 3 **Approved Hours** ~~4 0 0~~ **Fee index** 6 **Faculty** Augustana Faculty **Department** AU Fine Arts **Typically Offered** either term **Description:** Continuation of AUSPA 101. Prerequisite: AUSPA 101. Note: Credit may be obtained for only one of AUSPA 102 and 104.	**Subject & Number: AUSPA 102** **Title: Beginners' Spanish II** **Course Career** Undergraduate **Units** 3 **Approved Hours** 3-0-1 **Fee index** 6 **Faculty** Augustana Faculty **Department** AU Fine Arts **Typically Offered** either term **Description:** Continuation of AUSPA 101. Prerequisite: AUSPA 101. Note: Credit may be obtained for only one of AUSPA 102 and 104.
Subject & Number: AUSPA 201 **Title: Intermediate Spanish I** **Course Career** Undergraduate **Units** 3 **Approved Hours** ~~4 0 0~~ **Fee index** 6 **Faculty** Augustana Faculty **Department** AU Fine Arts **Typically Offered** either term **Description:** Designed to consolidate basic Spanish language skills through systematic grammar review and practice in various language skills. Prerequisite: Spanish 30 (or	**Subject & Number: AUSPA 201** **Title: Intermediate Spanish I** **Course Career** Undergraduate **Units** 3 **Approved Hours** 3-0-1 **Fee index** 6 **Faculty** Augustana Faculty **Department** AU Fine Arts **Typically Offered** either term **Description:** Designed to consolidate basic Spanish language skills through systematic grammar review and practice in various language skills. Prerequisite: Spanish 30 (or

equivalent), AUSPA 102 or 104. Note: Credit may be obtained for only one of AUSPA 201 and 203.	equivalent), AUSPA 102 or 104. Note: Credit may be obtained for only one of AUSPA 201 and 203.
Subject & Number: AUSPA 202 **Title: Intermediate Spanish II** **Course Career** Undergraduate **Units** 3 **Approved Hours** ~~4 0 0~~ **Fee index** 6 **Faculty** Augustana Faculty **Department** AU Fine Arts **Typically Offered** either term **Description:** Continuation of AUSPA 201. Prerequisite: AUSPA 201 or 203. Note: Credit may be obtained for only one of AUSPA 202 and 204.	**Subject & Number: AUSPA 202** **Title: Intermediate Spanish II** **Course Career** Undergraduate **Units** 3 **Approved Hours** 3-0-1 **Fee index** 6 **Faculty** Augustana Faculty **Department** AU Fine Arts **Typically Offered** either term **Description:** Continuation of AUSPA 201. Prerequisite: AUSPA 201 or 203. Note: Credit may be obtained for only one of AUSPA 202 and 204.

Reviewed/Approved by:

REQUIRED: Augustana Faculty Council - November 3, 2023.
OPTIONAL: Augustana Curriculum Committee - October 25, 2023.

UNIVERSITY OF ALBERTA

Calendar Change Request Form
for Program and Regulation Changes

See the Calendar Guide for tips on how to complete this form.

Faculty (& Department or Academic Unit):	Augustana - Department of Science
Contact Person:	Jonathan Hawkins
Level of change: (choose one only)	☑ Undergraduate
	☐ Graduate
Type of change request: (check all that apply)	☑ Program
	☐ Regulation
For which term is this intended to take effect?	Fall 2024
Does this proposal have corresponding course changes? (Should be submitted at the same time)	Yes

Rationale

Things to consider (maximum 500 words): Why is this being changed; How will it benefit students/department/unit; How is this comparable to similar programs (internal or external); Historical context; Impacts to administration or program structure; Consultation with stakeholders

This change indicates where the proposed new AUCSC 325 course will be included in the Computing Science and Mathematics major.

Calendar Copy

URL in current Calendar (or "New page")
https://calendar.ualberta.ca/preview_program.php?catoid=39&poid=47829

Current Copy: ~~Removed language~~	**Proposed Copy:** New language
Major in Computing Science and Mathematics [Augustana] **Requirements** ● AUCSC 111 - Introduction to Computational Thinking and Problem Solving ● AUCSC 112 - Data Structures and Algorithms ● AUCSC 250 - Computer Organization and Architecture I ● AUCSC 310 - Algorithm Design and Analysis ● AUMAT 116 - Calculus Concepts and Modelling ● AUMAT 120 - Linear Algebra I ● AUMAT 216 - Intermediate Calculus ● AUMAT 240 - Introduction to Computational Methods	**Major in Computing Science and Mathematics [Augustana]** **Requirements** ● AUCSC 111 - Introduction to Computational Thinking and Problem Solving ● AUCSC 112 - Data Structures and Algorithms ● AUCSC 250 - Computer Organization and Architecture I ● AUCSC 310 - Algorithm Design and Analysis ● AUMAT 116 - Calculus Concepts and Modelling ● AUMAT 120 - Linear Algebra I ● AUMAT 216 - Intermediate Calculus ● AUMAT 240 - Introduction to Computational Methods

● AUMAT 250 - Discrete Mathematics ● AUSCI 330 - History and Theory of Computing ● AUSCI 430 - Ethical Issues in Computing and Mathematics ● AUSTA 215 - Statistical Methods for the Natural Sciences **Additional Requirements** ● 3 units in AUBIO, AUCHE, AUENV, or AUPHY at the 100-level. ● 9 units in Fine Arts and Humanities, with at least 3 credits in each. ● 6 units in Social Sciences.	● AUMAT 250 - Discrete Mathematics ● AUSCI 330 - History and Theory of Computing ● AUSCI 430 - Ethical Issues in Computing and Mathematics ● AUSTA 215 - Statistical Methods for the Natural Sciences **Additional Requirements** ● 3 units in AUBIO, AUCHE, AUENV, or AUPHY at the 100-level. ● 9 units in Fine Arts and Humanities, with at least 3 credits in each. ● 6 units in Social Sciences.
Computing Science Stream Students in the Computing Science stream must also complete the following: ● AUCSC 220 - Software Engineering I ● AUCSC 370 - Programming Languages **18 units from** ● AUCSC 204 - Computing Technology in Modern Society ● AUCSC 218 - Web Design, Development and Scripting ● AUCSC 320 - Software Engineering II ● AUCSC 330 - Database Management Systems I ● AUCSC 395 - Directed Study I ● AUCSC 401 - Professional Practicum I ● AUCSC 402 - Professional Practicum II ● AUCSC 450 - Parallel and Distributed Computing ● AUCSC 455 - Networks and Security ● AUCSC 460 - Artificial Intelligence ● AUCSC 480 - Operating Systems Concepts ● AUCSC 495 - Directed Study II	**Computing Science Stream** Students in the Computing Science stream must also complete the following: ● AUCSC 220 - Software Engineering I ● AUCSC 370 - Programming Languages **18 units from** ● AUCSC 204 - Computing Technology in Modern Society ● AUCSC 218 - Web Design, Development and Scripting ● AUCSC 320 - Software Engineering II ● AUCSC 325 - Software Testing and Quality Assurance ● AUCSC 330 - Database Management Systems I ● AUCSC 395 - Directed Study I ● AUCSC 401 - Professional Practicum I ● AUCSC 402 - Professional Practicum II ● AUCSC 450 - Parallel and Distributed Computing ● AUCSC 455 - Networks and Security ● AUCSC 460 - Artificial Intelligence ● AUCSC 480 - Operating Systems Concepts ● AUCSC 495 - Directed Study II
Computational and Applied Mathematics stream Students in the Computational and Applied Mathematics stream must also complete the following: ● AUMAT 332 - Dynamical Systems **9 units from**	**Computational and Applied Mathematics stream** Students in the Computational and Applied Mathematics stream must also complete the following: ● AUMAT 332 - Dynamical Systems **9 units from**

● AUMAT 320 - Numerical Linear Algebra ● AUMAT 328 - Cryptography ● AUMAT 350 - Optimization ● AUMAT 353 - Applied Probability	● AUMAT 320 - Numerical Linear Algebra ● AUMAT 328 - Cryptography ● AUMAT 350 - Optimization ● AUMAT 353 - Applied Probability

Reviewed/Approved by:

Augustana Faculty Council, November 3, 2023.
Augustana Curriculum Committee, October 25, 2023.

UNIVERSITY OF ALBERTA

Calendar Change Request Form
for Program and Regulation Changes

See the Calendar Guide for tips on how to complete this form.

Faculty (& Department or Academic Unit):	Augustana - Department of Fine Arts and Humanities
Contact Person:	Jonathan Hawkins
Level of change: (choose one only)	☑ Undergraduate
	☐ Graduate
Type of change request: (check all that apply)	☑ Program
	☐ Regulation
For which term is this intended to take effect?	Fall 2024
Does this proposal have corresponding course changes? (Should be submitted at the same time)	Yes

Rationale

Things to consider (maximum 500 words): Why is this being changed; How will it benefit students/department/unit; How is this comparable to similar programs (internal or external); Historical context; Impacts to administration or program structure; Consultation with stakeholders

This indicates how the proposed changes to a number of AUART courses would affect the Creativity and Culture program requirements, and adds AUMUS 239 as a possible course to fulfill the 200-level Text and Theory requirement.

Calendar Copy

URL in current Calendar (or "New page")
https://calendar.ualberta.ca/preview_program.php?catoid=39&poid=47827

Current Copy: ~~Removed language~~	**Proposed Copy:** New language
Creativity and Culture Program Requirements [Augustana] Creativity and Culture combines the study of Text and Theory, Creative Practice, and Language and requires a minimum of 63 units to complete; students who choose to pursue a specialization in Visual Art, Drama, or Music will require 75 units. Text and Theory elements are drawn from courses in Art History, Classical Studies, English, Music History, Philosophy, Religion, and French, German, and Scandinavian Literature. Creative Practice elements include courses in Studio Art, Creative Writing, Drama, and Music.	**Creativity and Culture Program Requirements [Augustana]** Creativity and Culture combines the study of Text and Theory, Creative Practice, and Language and requires a minimum of 63 units to complete; students who choose to pursue a specialization in Visual Art, Drama, or Music will require 75 units. Text and Theory elements are drawn from courses in Art History, Classical Studies, English, Music History, Philosophy, Religion, and French, German, and Scandinavian Literature. Creative Practice elements include courses in Studio Art, Creative Writing, Drama, and Music.

The Language element will typically be satisfied by French, German, Latin, ~~or~~ Norwegian language courses at the appropriate level for a student **Requirements** **3 units at the 100-level in Text and Theory from:** ● AUENG 102 - Critical Reading, Critical Writing ● AUSCA 142 - Viking Age Mythology **3 units at the 100-level in Text and Theory from:** ● AUART 100 - Introduction to Art History and Visual Culture ● AUMUS 170 - Tuning In: An Introduction to Music **6 units at the 100-level in Creative Practice from:** ● ~~AUART 111 - Making Art: First Steps~~ ● AUDRA 144 - Introduction to the Dramatic Process ● AUMUS 100 - Introduction to Music Theory **OR** ● AUMUS 160 - Theoretical and Analytical Studies I **Note:** Students may only use one of AUMUS 100 or 160 to fulfill this requirement. Students intending to complete the Music Specialization must complete AUMUS 160. **6 units in a Language other than English from:** ● AUFRE 101 - Beginners' French I ● AUFRE 102 - Beginners' French II ● AUFRE 201 - Intermediate French I ● AUFRE 202 - Intermediate French II ● AUGER 101 - Beginners' German I ● AUGER 102 - Beginners' German II ● AUGER 201 - Intermediate German I ● AUGER 202 - Intermediate German II ● AULAT 101 - Beginners' Latin I ● AUSCA 101 - Beginners' Norwegian I ● AUSCA 102 - Beginners' Norwegian II ● AUSCA 201 - Intermediate Norwegian I ● AUSCA 202 - Intermediate Norwegian II ● AUSPA 101 - Beginners' Spanish I ● AUSPA 102 - Beginners' Spanish II	The Language element will typically be satisfied by French, German, Latin, Norwegian or Spanish language courses at the appropriate level for a student **Requirements** **3 units at the 100-level in Text and Theory from:** ● AUENG 102 - Critical Reading, Critical Writing ● AUSCA 142 - Viking Age Mythology **3 units at the 100-level in Text and Theory from:** ● AUART 100 - Introduction to Art History and Visual Culture ● AUMUS 170 - Tuning In: An Introduction to Music **6 units at the 100-level in Creative Practice from:** ● AUART 131 - Drawing I: A Basic Toolkit **OR** ● AUART 171 - Painting I: A Basic Toolkit (Oil) ● AUDRA 144 - Introduction to the Dramatic Process ● AUMUS 100 - Introduction to Music Theory **OR** ● AUMUS 160 - Theoretical and Analytical Studies I **Note:** Students may only use one of AUMUS 100 or 160 to fulfill this requirement. Students intending to complete the Music Specialization must complete AUMUS 160. **6 units in a Language other than English from:** ● AUFRE 101 - Beginners' French I ● AUFRE 102 - Beginners' French II ● AUFRE 201 - Intermediate French I ● AUFRE 202 - Intermediate French II ● AUGER 101 - Beginners' German I ● AUGER 102 - Beginners' German II ● AUGER 201 - Intermediate German I ● AUGER 202 - Intermediate German II ● AULAT 101 - Beginners' Latin I ● AUSCA 101 - Beginners' Norwegian I ● AUSCA 102 - Beginners' Norwegian II ● AUSCA 201 - Intermediate Norwegian I

• AUSPA 201 - Intermediate Spanish I • AUSPA 202 - Intermediate Spanish II **Note:** Language courses completed through study abroad programs or in an approved French immersion program in Canada also count towards this requirement. **12 units at the 200-level in Text and Theory from:** • AUART 220 - Modern Life, Modern Art • AUART 223 - Canadian Art • AUART 224 - Art and Its Histories • AUART 225 - Photography: History and Theory • AUART 260 - Selected Topics in Art History • AUART 261 - Selected Topics in Art History • AUART 262 - Selected Topics in Art History • AUART 265 - Selected Topics in Art History Tour • AUART 281 - Sex, Gender and Art • AUART 289 - Studies in Visual Culture • AUDRA 201 - History and Critical Analysis of Theatre • AUENG 205 - Children's Literature • AUENG 206 - Native Children's Literature • AUENG 213 - The English Language • AUENG 220 - Classical Foundations of Western Literature • AUENG 221 - Chaucer and Premodern Society • AUENG 225 - The World of the Middle Ages • AUENG 230 - The Early English Renaissance • AUENG 231 - The Later English Renaissance • AUENG 233 - Shakespeare • AUENG 240 - Restoration and Eighteenth Century Literature and Culture • AUENG 260 - Literary Animal Studies • AUENG 270 - America, Exceptionalism and Empire • AUENG 271 - American Law, Literature and Justice • AUENG 280 - Canadian Literature to 1950 • AUENG 281 - Canadian Literature since 1950 • AUENG 298 - Selected Topics in English Studies • AUENG 299 - Selected Topics in English Studies • AUGER 291 - German Drama in Translation	• AUSCA 202 - Intermediate Norwegian II • AUSPA 101 - Beginners' Spanish I • AUSPA 102 - Beginners' Spanish II • AUSPA 201 - Intermediate Spanish I • AUSPA 202 - Intermediate Spanish II **Note:** Language courses completed through study abroad programs or in an approved French immersion program in Canada also count towards this requirement. **12 units at the 200-level in Text and Theory from:** • AUART 220 - Modern Life, Modern Art • AUART 223 - Canadian Art • AUART 224 - Art and Its Histories • AUART 225 - Photography: History and Theory • AUART 260 - Selected Topics in Art History • AUART 261 - Selected Topics in Art History • AUART 262 - Selected Topics in Art History • AUART 265 - Selected Topics in Art History Tour • AUART 281 - Sex, Gender and Art • AUART 289 - Studies in Visual Culture • AUDRA 201 - History and Critical Analysis of Theatre • AUENG 205 - Children's Literature • AUENG 206 - Native Children's Literature • AUENG 213 - The English Language • AUENG 220 - Classical Foundations of Western Literature • AUENG 221 - Chaucer and Premodern Society • AUENG 225 - The World of the Middle Ages • AUENG 230 - The Early English Renaissance • AUENG 231 - The Later English Renaissance • AUENG 233 - Shakespeare • AUENG 240 - Restoration and Eighteenth Century Literature and Culture • AUENG 260 - Literary Animal Studies • AUENG 270 - America, Exceptionalism and Empire • AUENG 271 - American Law, Literature and Justice • AUENG 280 - Canadian Literature to 1950 • AUENG 281 - Canadian Literature since 1950 • AUENG 298 - Selected Topics in English Studies

• AUHIS 207 - History of the Roman Republic • AUHIS 208 - History of the Roman Empire • AUHUM 276 - Introduction to Visual Culture Studies • AUIND 240 - Introduction to Indigenous Cultural Production • AUMUS 224 - Music from the Ancient to Baroque Eras • AUMUS 225 - Music from the Classical Era to the Present Day • AUMUS 226 - Music and the Moving Image • AUPHI 200 - Metaphysics: Theories of Reality • AUPHI 240 - Ancient Political Philosophy • AUPHI 241 - Modern Political Philosophy • AUPHI 250 - History of Christian Thought • AUPHI 277 - Women, Darkness and Crooked Things: Feminist Philosophy • AUPHI 290 - Philosophy of Contemporary Culture • AUREL 202 - Women's Writing and Feminist Theology • AUREL 208 - Jesus of Nazareth in Contemporary Theology • AUREL 212 - Introduction to the Hebrew Bible (Old Testament) • AUREL 216 - The Hebrew Prophets • AUREL 250 - Theories of Religion • AUREL 282 - Major Religious Traditions: Middle East • AUREL 290 - Selected Topics in Religion • AUREL 291 - Selected Topics in Religion • AUSCA 231 - Scandinavian Culture and Civilization • AUSCA 237 - Selected Topics in Scandinavian Literature • AUSCA 261 - Scandinavian Folk Literature • AUSCA 271 - Personal Narratives of the North **6 units at the 200-level in Creative Practice from:** • AUART 215 - Sculpture I • AUART 230 - Special Topics in Drawing • ~~AUART 231 - Drawing I: A Basic Toolkit~~ • AUART 232 - Drawing II: The Figure • AUART 270 - Special Topics in Painting • ~~AUART 271 - Painting I: A Basic Toolkit (Oil)~~ • AUART 272 - Painting II: Concepts and Approaches	• AUENG 299 - Selected Topics in English Studies • AUGER 291 - German Drama in Translation • AUHIS 207 - History of the Roman Republic • AUHIS 208 - History of the Roman Empire • AUHUM 276 - Introduction to Visual Culture Studies • AUIND 240 - Introduction to Indigenous Cultural Production • AUMUS 224 - Music from the Ancient to Baroque Eras • AUMUS 225 - Music from the Classical Era to the Present Day • AUMUS 226 - Music and the Moving Image • AUMUS 239 - The Child Voice • AUPHI 200 - Metaphysics: Theories of Reality • AUPHI 240 - Ancient Political Philosophy • AUPHI 241 - Modern Political Philosophy • AUPHI 250 - History of Christian Thought • AUPHI 277 - Women, Darkness and Crooked Things: Feminist Philosophy • AUPHI 290 - Philosophy of Contemporary Culture • AUREL 202 - Women's Writing and Feminist Theology • AUREL 208 - Jesus of Nazareth in Contemporary Theology • AUREL 212 - Introduction to the Hebrew Bible (Old Testament) • AUREL 216 - The Hebrew Prophets • AUREL 250 - Theories of Religion • AUREL 282 - Major Religious Traditions: Middle East • AUREL 290 - Selected Topics in Religion • AUREL 291 - Selected Topics in Religion • AUSCA 231 - Scandinavian Culture and Civilization • AUSCA 237 - Selected Topics in Scandinavian Literature • AUSCA 261 - Scandinavian Folk Literature • AUSCA 271 - Personal Narratives of the North **6 units at the 200-level in Creative Practice from:** • AUART 215 - Sculpture I • AUART 230 - Special Topics in Drawing • AUART 232 - Drawing II: The Figure • AUART 270 - Special Topics in Painting

• AUART 298 - Selected Topics in Art Studio • AUDRA 209 - Script Analysis and Production Preparation • AUDRA 230 - Acting Techniques I • AUDRA 233 - Clown and Mask • AUDRA 238 - Theatre Company • AUDRA 239 - Theatre Company • AUDRA 244 - Improvisation II: Workshop and Performance • AUDRA 250 - Applied Improvisation • AUDRA 260 - Dramaturgy and Play Analysis • AUENG 214 - Advanced Creative Writing: Poetry • AUENG 215 - Creative Writing • AUMUS 260 - Theoretical and Analytical Studies II • AUMUS 262 - Aural, Sight Singing and Keyboard Skills II • Any 200-level AUMUS ensemble courses • Any 200-level AUMUS applied music courses **6 units in Social Sciences from:** Any 100-level, 200-level, or 300-level courses in AUHIS, AUPOL, or AUSOC including 3 units from the following: • AUIND 101 - Introduction to Indigenous Studies • AUIDS 230 - Introduction to Gender and Women's Studies • AULAN 101 - Introduction to Linguistic Analysis • AUSOC 262 - Mass Communication and Contemporary Society • AUSOC 372 - Visual Sociology **6 units in Science:** Any Augustana Science course may count towards this requirement. The following courses are recommended: • AUCSC 111 - Introduction to Computational Thinking and Problem Solving • AUCSC 204 - Computing Technology in Modern Society • AUENV 120 - Human Activities and the Natural Environment • AUENV 220 - Applications in Sustainability • AUIDS 137 - Science Laboratory Experiences	• AUART 272 - Painting II: Concepts and Approaches • AUART 298 - Selected Topics in Art Studio • AUDRA 209 - Script Analysis and Production Preparation • AUDRA 230 - Acting Techniques I • AUDRA 233 - Clown and Mask • AUDRA 238 - Theatre Company • AUDRA 239 - Theatre Company • AUDRA 244 - Improvisation II: Workshop and Performance • AUDRA 250 - Applied Improvisation • AUDRA 260 - Dramaturgy and Play Analysis • AUENG 214 - Advanced Creative Writing: Poetry • AUENG 215 - Creative Writing • AUMUS 260 - Theoretical and Analytical Studies II • AUMUS 262 - Aural, Sight Singing and Keyboard Skills II • Any 200-level AUMUS ensemble courses • Any 200-level AUMUS applied music courses **6 units in Social Sciences from:** Any 100-level, 200-level, or 300-level courses in AUHIS, AUPOL, or AUSOC including 3 units from the following: • AUIND 101 - Introduction to Indigenous Studies • AUIDS 230 - Introduction to Gender and Women's Studies • AULAN 101 - Introduction to Linguistic Analysis • AUSOC 262 - Mass Communication and Contemporary Society • AUSOC 372 - Visual Sociology **6 units in Science:** Any Augustana Science course may count towards this requirement. The following courses are recommended: • AUCSC 111 - Introduction to Computational Thinking and Problem Solving • AUCSC 204 - Computing Technology in Modern Society • AUENV 120 - Human Activities and the Natural Environment

• AUPSY 103 - Introduction to Psychology • AUSTA 153 - Introductory Applied Statistics **9 units at the 300-level in Text and Theory from:** • AUART 380 - Directed Reading in Art History • AUART 381 - Selected Topics in Art History and Visual Culture • AUART 382 - Selected Topics in Art History and Visual Culture • AUENG 306 - Indigenous Children's Literature & Theory • AUENG 313 - The English Language • AUENG 330 - The Early English Renaissance • AUENG 331 - The Later English Renaissance • AUENG 333 - Shakespeare • AUENG 368 - Ecofeminist Theory & Women's Writing • AUENG 380 - Canadian Literature to 1950 • AUENG 381 - Canadian Literature since 1950 • AUENG 382 - Postcolonial Literature and Theory • AUENG 392 - Feminist Theory and Women's Writing • AUENG 398 - Selected Topics in English Studies • AUENG 399 - Selected Topics in English Studies • AUFRE 305 - Aspects of Civilization and Culture of France I • AUFRE 337 - Selected Topics in French Literature • AUFRE 339 - Selected Topics in French Literature • AUGER 335 - Selected Topics in German Language • AUGER 337 - Selected Topics in German Literature • AUHIS 300 - Topics in European History • AUMUS 356 - Music and Wellness • AUMUS 369 - Popular Music: Analysis, Interpretation, Meaning • AUPHI 336 - Nineteenth-Century Philosophy • AUPHI 345 - Philosophy in Canada • AUPHI 350 - Philosophy of Science • AUPHI 351 - Thinking About Sex: Philosophy, Science, and the Construction of Sex • AUPHI 355 - Philosophy and the Environment • AUPHI 358 - Philosophy of Religion II	• AUENV 220 - Applications in Sustainability • AUIDS 137 - Science Laboratory Experiences • AUPSY 103 - Introduction to Psychology • AUSTA 153 - Introductory Applied Statistics **9 units at the 300-level in Text and Theory from:** • AUART 380 - Directed Reading in Art History • AUART 381 - Selected Topics in Art History and Visual Culture • AUART 382 - Selected Topics in Art History and Visual Culture • AUENG 306 - Indigenous Children's Literature & Theory • AUENG 313 - The English Language • AUENG 330 - The Early English Renaissance • AUENG 331 - The Later English Renaissance • AUENG 333 - Shakespeare • AUENG 368 - Ecofeminist Theory & Women's Writing • AUENG 380 - Canadian Literature to 1950 • AUENG 381 - Canadian Literature since 1950 • AUENG 382 - Postcolonial Literature and Theory • AUENG 392 - Feminist Theory and Women's Writing • AUENG 398 - Selected Topics in English Studies • AUENG 399 - Selected Topics in English Studies • AUFRE 305 - Aspects of Civilization and Culture of France I • AUFRE 337 - Selected Topics in French Literature • AUFRE 339 - Selected Topics in French Literature • AUGER 335 - Selected Topics in German Language • AUGER 337 - Selected Topics in German Literature • AUHIS 300 - Topics in European History • AUMUS 356 - Music and Wellness • AUMUS 369 - Popular Music: Analysis, Interpretation, Meaning • AUPHI 336 - Nineteenth-Century Philosophy • AUPHI 345 - Philosophy in Canada • AUPHI 350 - Philosophy of Science • AUPHI 351 - Thinking About Sex: Philosophy, Science, and the Construction of Sex

• AUPHI 365 - Aesthetics • AUPHI 390 - Indigenous Thought: First Nations Thought and Knowledge • AUPHI 392 - World Philosophy: Comparing Perspectives • AUREL 302 - Women's Writing and Feminist Theology • AUREL 325 - Sex and Gender in Ancient Religions • AUREL 345 - Religion and Ecology • AUREL 347 - Theology of Luther • AUREL 365 - Storied Landscapes • AUSCA 337 - Selected Topics in Scandinavian Literature **6 units at the 400-level in Text and Theory or Creative Practice from:** • AUART 421 - Selected Topics in Art History and Visual Culture • AUART 480 - Directed Reading in Art History • AUENG 401 - Directed Reading I • AUENG 402 - Directed Reading II • AUENG 420 - Selected Topics in English Studies • AUENG 441 - Selected Topics in English Studies • AUENG 450 - Selected Topics in English Studies • AUENG 460 - Selected Topics in English Studies • AUFRE 403 - Directed Reading • AUGER 403 - Directed Reading • AUSCA 403 - Directed Reading • AUSCA 405 - Directed Study: Area Studies • AUSPA 403 - Directed Study: Literature *[Note that the following courses have specific prerequisites:]* • AUART 411 - Interdisciplinary Exploration: Studio • AUART 490 - Directed Project in Visual Explorations • AUDRA 401 - Directed Reading II • AUDRA 409 - Script Analysis and Production Preparation • AUDRA 420 - Performer-Created Theatre • AUDRA 430 - Movement and Physical Theatre	• AUPHI 355 - Philosophy and the Environment • AUPHI 358 - Philosophy of Religion II • AUPHI 365 - Aesthetics • AUPHI 390 - Indigenous Thought: First Nations Thought and Knowledge • AUPHI 392 - World Philosophy: Comparing Perspectives • AUREL 302 - Women's Writing and Feminist Theology • AUREL 325 - Sex and Gender in Ancient Religions • AUREL 345 - Religion and Ecology • AUREL 347 - Theology of Luther • AUREL 365 - Storied Landscapes • AUSCA 337 - Selected Topics in Scandinavian Literature **6 units at the 400-level in Text and Theory or Creative Practice from:** • AUART 421 - Selected Topics in Art History and Visual Culture • AUART 480 - Directed Reading in Art History • AUENG 401 - Directed Reading I • AUENG 402 - Directed Reading II • AUENG 420 - Selected Topics in English Studies • AUENG 441 - Selected Topics in English Studies • AUENG 450 - Selected Topics in English Studies • AUENG 460 - Selected Topics in English Studies • AUFRE 403 - Directed Reading • AUGER 403 - Directed Reading • AUSCA 403 - Directed Reading • AUSCA 405 - Directed Study: Area Studies • AUSPA 403 - Directed Study: Literature *[Note that the following courses have specific prerequisites:]* • AUART 411 - Interdisciplinary Exploration: Studio • AUART 490 - Directed Project in Visual Explorations • AUDRA 401 - Directed Reading II • AUDRA 409 - Script Analysis and Production Preparation • AUDRA 420 - Performer-Created Theatre

- AUDRA 437 - Senior Showcase
- AUDRA 438 - Theatre Company
- AUDRA 439 - Theatre Company
- AUDRA 444 - Story Theater
- AUENG 416 - Advanced Creative Writing: Fiction
- AUMUS 400-level course (any offering at the 400-level)

Specializations

Students in Creativity and Culture may choose to include a specialization in Visual Art, Creative Writing, Drama, or Music. Each specialization requires an additional 12 units, along with prescribed courses that overlap with other requirements of the major.

Requirements for Visual Art Specialization

Overlapping courses

- 6 units of the 200- and 300-level Text and Theory courses must be in Art History
- AUART 100 - Introduction to Art History and Visual Culture
- ~~AUART 111 - Making Art: First Steps~~
- AUART ~~231~~ - Drawing I: A Basic Toolkit
- AUART 232 - Drawing II: The Figure
- AUART 411 - Interdisciplinary Exploration: Studio

Additional courses

- AUART ~~271~~ - Painting I: A Basic Toolkit (Oil)
- AUART 272 - Painting II: Concepts and Approaches
- AUART 331 - Drawing III: Contemporary Ideas in Drawing
- AUART ~~371~~ - Painting III: Contemporary Ideas in Painting

Requirements for Creative Writing Specialization

Overlapping Courses

- AUENG 215 - Creative Writing
- AUENG 280 - Canadian Literature to 1950
- AUENG 281 - Canadian Literature since 1950

- AUDRA 430 - Movement and Physical Theatre
- AUDRA 437 - Senior Showcase
- AUDRA 438 - Theatre Company
- AUDRA 439 - Theatre Company
- AUDRA 444 - Story Theater
- AUENG 416 - Advanced Creative Writing: Fiction
- AUMUS 400-level course (any offering at the 400-level)

Specializations

Students in Creativity and Culture may choose to include a specialization in Visual Art, Creative Writing, Drama, or Music. Each specialization requires an additional 12 units, along with prescribed courses that overlap with other requirements of the major.

Requirements for Visual Art Specialization

Overlapping courses

- 6 units of the 200- and 300-level Text and Theory courses must be in Art History
- AUART 100 - Introduction to Art History and Visual Culture
- AUART 131 - Drawing I: A Basic Toolkit **OR**
- AUART 171 - Painting I: A Basic Toolkit (Oil)
- AUART 232 - Drawing II: The Figure
- AUART 411 - Interdisciplinary Exploration: Studio

Additional courses

- AUART 131 - Drawing I: A Basic Toolkit **OR**
- AUART 171 - Painting I: A Basic Toolkit (Oil)
- AUART 272 - Painting II: Concepts and Approaches
- AUART 331 - Drawing III: Contemporary Ideas in Drawing
- AUART 372 - Painting III: Contemporary Ideas in Painting

Requirements for Creative Writing Specialization

Overlapping Courses

- AUENG 215 - Creative Writing
- AUENG 280 - Canadian Literature to 1950
- AUENG 281 - Canadian Literature since 1950

• AUENG 416 - Advanced Creative Writing: Fiction 3 units at the 200-level in Creative Practice from: • AUDRA 260 - Dramaturgy and Play Analysis • AUENG 214 - Advanced Creative Writing: Poetry • AUENG 218 - Creative Writing Memoir **Additional Courses** 12 units additional at the 200- or 300-level in AUENG courses, including 6 units from: • AUENG 214 - Advanced Creative Writing: Poetry • AUENG 218 - Creative Writing Memoir • AUDRA 260 - Dramaturgy and Play Analysis • AUDRA 384 - Playwriting **Requirements for Drama Specialization** **Overlapping courses** • AUDRA 144 - Introduction to the Dramatic Process • AUDRA 230 - Acting Techniques I • AUDRA 239 - Theatre Company • 3 units at 400-level in AUDRA **Additional courses** • 6 units additional at the 200-level in AUDRA courses • AUDRA 350 - Introduction to Directing • 3 units additional at the 300-level in AUDRA courses **Requirements for Music Specialization** **Overlapping courses** • 6 units at the 200-level in Creative Practice in Music • AUMUS 160 - Theoretical and Analytical Studies I • AUMUS 170 - Tuning In: An Introduction to Music • 3 units at 400-level in AUMUS **Additional courses**	• AUENG 416 - Advanced Creative Writing: Fiction 3 units at the 200-level in Creative Practice from: • AUDRA 260 - Dramaturgy and Play Analysis • AUENG 214 - Advanced Creative Writing: Poetry • AUENG 218 - Creative Writing Memoir **Additional Courses** 12 units additional at the 200- or 300-level in AUENG courses, including 6 units from: • AUENG 214 - Advanced Creative Writing: Poetry • AUENG 218 - Creative Writing Memoir • AUDRA 260 - Dramaturgy and Play Analysis • AUDRA 384 - Playwriting **Requirements for Drama Specialization** **Overlapping courses** • AUDRA 144 - Introduction to the Dramatic Process • AUDRA 230 - Acting Techniques I • AUDRA 239 - Theatre Company • 3 units at 400-level in AUDRA **Additional courses** • 6 units additional at the 200-level in AUDRA courses • AUDRA 350 - Introduction to Directing • 3 units additional at the 300-level in AUDRA courses **Requirements for Music Specialization** **Overlapping courses** • 6 units at the 200-level in Creative Practice in Music • AUMUS 160 - Theoretical and Analytical Studies I • AUMUS 170 - Tuning In: An Introduction to Music • 3 units at 400-level in AUMUS **Additional courses**

• AUMUS 162 - Aural, Sight Singing, and Keyboard Skills I • AUMUS 260 - Theoretical and Analytical Studies II • AUMUS 262 - Aural, Sight Singing and Keyboard Skills II • 3 units additional at the 300-level in AUMUS	• AUMUS 162 - Aural, Sight Singing, and Keyboard Skills I • AUMUS 260 - Theoretical and Analytical Studies II • AUMUS 262 - Aural, Sight Singing and Keyboard Skills II • 3 units additional at the 300-level in AUMUS

Reviewed/Approved by:

Augustana Faculty Council, December 1, 2023.
Augustana Curriculum Committee, November 22, 2023.

UNIVERSITY OF ALBERTA

Calendar Change Request Form
for Program and Regulation Changes

See the Calendar Guide for tips on how to complete this form.

Faculty (& Department or Academic Unit):	Music/Education
Contact Person:	Stephen Tchir
Level of change: (choose one only)	☑ Undergraduate
	☐ Graduate
Type of change request: (check all that apply)	☑ Program
	☐ Regulation
For which term is this intended to take effect?	Fall 2024
Does this proposal have corresponding course changes? (Should be submitted at the same time)	n/a

Rationale

Things to consider (maximum 500 words): Why is this being changed; How will it benefit students/department/unit; How is this comparable to similar programs (internal or external); Historical context; Impacts to administration or program structure; Consultation with stakeholders

In 2021, the Bachelor of Education, elementary generalist route, was revised to include some small program changes. This was approved at GFC Programs and came into effect for students coming into the program in 2022. At that time, changes were not made to reflect these changes in the combined degree programs (Native Studies, KSR, and Music). These calendar changes reflect the new requirements for the BEd elementary route and provide consistency for students.

Calendar Copy

URL in current Calendar (or "New page") Bachelor of Music / Bachelor of Education in Elementary Education Combined Degrees Program [Education]

Current Copy: ~~Removed language~~	**Proposed Copy:** New language
Program Requirements	**Program Requirements**
Year 1 (33 units)	**Year 1 (33 units)**
• 6 units of approved junior ENGL (Element ~~f~~) • MUSIC 125 - Applied Music • MUSIC 151 - Aural and Keyboard Skills I • MUSIC 155 - Music Theory I • MUSIC 156 - Music Theory II • MUSIC 186 - Musical Life Today (Element ~~V~~)	• 6 units of approved junior ENGL (Element c. Language/Literature) • MUSIC 125 - Applied Music • MUSIC 151 - Aural and Keyboard Skills I • MUSIC 155 - Music Theory I • MUSIC 156 - Music Theory II • MUSIC 186 - Musical Life Today (Element b. Fine Arts)

• Element ~~H~~ Mathematics ~~or Statistics~~ (3 units). See Components of the Program.	• Element d. Mathematics (3 units). See Components of the Program.
3 units from	**3 units from**
• MUSIC 129 - Fundamental Keyboard Skills • MUSIC, Arts, or Science option (★3) with permission from the Department of Music	• MUSIC 129 - Fundamental Keyboard Skills • MUSIC, Arts, or Science option (★3) with permission from the Department of Music
3 units from	**3 units from**
• MUSIC 140 - Choral Ensemble • MUSIC 141 - Instrumental Ensemble	• MUSIC 140 - Choral Ensemble • MUSIC 141 - Instrumental Ensemble
Year 2 (33 units)	**Year 2 (33 units)**
• EDU 100 - Contexts of Education • MUSIC 225 - Applied Music • MUSIC 251 - Aural and Keyboard Skills II • MUSIC 255 - Music Theory III • MUSIC 256 - Music Theory IV • MUSIC 283 - Western Art Music, Ancient-1800	• EDU 100 - Contexts of Education • MUSIC 225 - Applied Music • MUSIC 251 - Aural and Keyboard Skills II • MUSIC 255 - Music Theory III • MUSIC 256 - Music Theory IV • MUSIC 283 - Western Art Music, Ancient-1800
3 units from	**3 units from**
• MUSIC 440 - Choral Ensemble • MUSIC 441 - Instrumental Ensemble	• MUSIC 440 - Choral Ensemble • MUSIC 441 - Instrumental Ensemble
6 units from	**6 units from**
• One Language Other than English (6 units) choose from any language other than English OR • MUSIC, Arts, or Science Option (6 units) (see Note 1)	• One Language Other than English (6 units) choose from any language other than English OR • MUSIC, Arts, or Science Option (6 units) (see Note 1)
	3 units from

3 units from

- Music Option

Notes

1. The Language Other than English (6 units) requirement can be replaced with MUSIC, Arts, or Science Option (6 units) for students who have
    a. successfully completed a Language Other than English at the 30-level (or equivalent), or
    b. been required to take an English Language Proficiency test for admission

Year 3 (33 units)

- EDU 211 - Aboriginal Education and Contexts for Professional and Personal Engagement
- MUSIC 245 - Introduction to Music Technologies
- MUSIC 284 - Western Art Music, 1800-Present
- MUSIC 315 - Introduction to Conducting
- MUSIC 417 - Choral Conducting and Pedagogy
- MUSIC 425 - Applied Music
- ~~Element III~~ Social Science (3 units) See Components of the Program.
- ~~Element IV~~ Natural Science (3 units) See Components of the Program.

3 units from

- MUSIC 103 - Introduction to Popular Music
- MUSIC 206 - History of Jazz
- MUSIC 314 - Music in Canada
- MUSIC 365 - Topics in Ethnomusicology

3 units from

- MUSIC 440 - Choral Ensemble

- Music Option

Notes

1. The Language Other than English (6 units) requirement can be replaced with MUSIC, Arts, or Science Option (6 units) for students who have
    a. successfully completed a Language Other than English at the 30-level (or equivalent), or
    b. been required to take an English Language Proficiency test for admission

Year 3 (33 units)

- EDU 211 - Aboriginal Education and Contexts for Professional and Personal Engagement
- MUSIC 245 - Introduction to Music Technologies
- MUSIC 284 - Western Art Music, 1800-Present
- MUSIC 315 - Introduction to Conducting
- MUSIC 417 - Choral Conducting and Pedagogy
- MUSIC 425 - Applied Music
- Element g. Social Science (3 units) See Components of the Program.
- Element e. Natural Science (3 units) See Components of the Program.

3 units from

- MUSIC 103 - Introduction to Popular Music
- MUSIC 206 - History of Jazz
- MUSIC 314 - Music in Canada
- MUSIC 365 - Topics in Ethnomusicology

3 units from

- MUSIC 440 - Choral Ensemble
- MUSIC 441 - Instrumental Ensemble

3 units from

- MUSIC 441 - Instrumental Ensemble

~~**3 units from**~~

Year 4 and 5 (~~30~~ units) Taken in the Faculty of Education

Students should refer to their individual Program Sheet for proper course sequencing.

Course Requirements:

- ~~EDU 210 - Introduction to Educational Technology~~
- ~~EDEL 302 - Curriculum and Pedagogy in Elementary School Art~~
- ~~EDEL 305 - Language Arts in the Elementary School~~
- ~~EDEL 316 - Communication Through Mathematics Education~~
- ~~EDEL 321 - Introduction to Curriculum and Pedagogy in Elementary School Physical Education~~
- ~~~~
- ~~EDEL 325 - Curriculum and Pedagogy in Elementary School Music~~ ~~**OR**~~
- ~~EDEL 330 - Curriculum and Pedagogy in Elementary School Science~~
- ~~EDEL 335 - Curriculum and Pedagogy in Elementary School Social Studies~~
- ~~EDEL 400-Level (3 units). EDEL 425 or 428 recommended~~
- ~~EDFX 325 - Elementary Route: Introductory Field Experience~~
- ~~EDFX 425 - Elementary Route: Advanced Field Experience~~
- ~~EDPS 410 - Ethics and Law in Teaching~~
- ~~EDPY 301 - Introduction to Inclusive Education: Adapting Classroom Instruction for Students with Special Needs~~
- ~~EDPY 302 - Learning and Development in Childhood~~
- ~~EDPY 303 - Educational Assessment~~
- Education Elective (3 units)
- ~~3 units in~~ Element a. ~~Indigenous Histories and Culture.~~ See Components of the Program.

Year 4 and 5 (60 units) Taken in the Faculty of Education

Students should refer to their individual Program Sheet for proper course sequencing.

Course Requirements:

- EDEL 305 - Language Arts in the Elementary School
- EDEL 316 - Communication Through Mathematics
- EDEL 330 - Curriculum and Pedagogy in Elementary School Science
- EDEL 335 - Curriculum and Pedagogy in Elementary School Social Studies
- EDEL 325 - Curriculum and Pedagogy in Elementary School Music
- EDPY 301 - Introduction to Inclusive Education: Adapting Classroom Instruction for Students with Special Needs
- EDPY 302 - Learning and Development in Childhood
- EDPY 303 - Educational Assessment
- EDPS 410 - Ethics and Law in Teaching
- Education Elective (6 units)
- EDEL (400-Level) Option (3 units)

3 units from

- EDEL 302 - Curriculum and Pedagogy in Elementary School Art
- EDEL 321 - Introduction to Curriculum and Pedagogy in Elementary School Physical Education
- EDEL 345 - Introduction to Curriculum and Pedagogy in Elementary School Health Education

- Element a. Aboriginal and Indigenous Histories and Culture (3 units). See Components of the Program.
- Element f. Physical and Health Education (3 units). See Components of the Program.

Field Placements (★15)

- EDFX 325 (★6)
- EDFX 425 (★9)

• ~~3 units in~~ Element f. Physical and Health Education. See Components of the Program.	**Notes:** 1. EDEL 305 and EDEL 316 must be taken in Year 4 as pre/co-requisites to EDFX 325. 2. Students interested in doing EDFX 325 or EDFX 425 in a music classroom must complete EDEL 325 in Fall Term before Introductory Professional Term. 3. The Introductory Professional Term is normally offered in Year 4 Winter Term only and consists of EDFX 325, ★6 EDEL courses, and EDPY 303. 4. The Advanced Professional Term is normally offered in Year 5 Fall Term only and consists of EDFX 425, ★3 EDEL, and EDPY 301. 5. The Education Elective and EDEL 400-Level options may have prerequisites and are normally available in Years 4 and 5 only. 6. Not all courses are offered each term or in a 13-week or condensed format. 7. Students should be aware of course prerequisites and refer to their individual program sheets for the proper sequencing of courses.
Promotion in the BMus/BEd Combined Degrees Programs 1. To be eligible to continue in the program, students will normally need a minimum GPA of 2.3 each Fall/Winter. 2. Successful completion of the program requirements includes a cumulative grade point average of 2.3 on all courses completed in the program. 3. Students are required to complete at least 33 units during each Fall/Winter in every year except Year 4 where 30 units is required. A reduced course load to 24 units requires only the approval of the Department of Music; a course load of less than 24 units requires the approval of both Faculties and is based on a recommendation from the Department of Music. 4. Students who fail to meet the requirements for promotion are required to withdraw from the BMus/BEd Combined Degrees program. Such students may transfer to another program in the	**Promotion in the BMus/BEd Combined Degrees Programs** 1. To be eligible to continue in the program, students will normally need a minimum GPA of 2.3 each Fall/Winter. 2. Successful completion of the program requirements includes a cumulative grade point average of 2.3 on all courses completed in the program. 3. Students are required to complete at least 33 units during each Fall/Winter in every year except Year 4 where 30 units is required. A reduced course load to 24 units requires only the approval of the Department of Music; a course load of less than 24 units requires the approval of both Faculties and is based on a recommendation from the Department of Music. 4. Students who fail to meet the requirements for promotion are required to withdraw from the BMus/BEd Combined Degrees program. Such students may transfer to another program in the Faculty of Arts, the Faculty of Education or another Faculty, if entrance and promotion requirements for such a program are met. After transfer, all requirements for the new program must be met.

Faculty of Arts, the Faculty of Education or another Faculty, if entrance and promotion requirements for such a program are met. After transfer, all requirements for the new program must be met.

5. Students who fail to meet the fifth-year requirements in the program are permitted to fulfil those requirements only with the approval of the Faculty of Arts and the Faculty of Education upon the recommendation of the Department of Music. Otherwise, students must withdraw from the program, and, if so desired, transfer to another program in the Faculty of Arts or Education for which they are able to meet entrance and promotion requirements.
6. The BMus/BEd Combined Degrees program may be interrupted only with the prior consent of the Department of Music, the Faculty of Arts, and the Faculty of Education. Readmission and continuation will be subject to any conditions, including reauditioning and new program requirements, that may be specified by the Department of Music, the Faculty of Arts, and the Faculty of Education.
7. All qualified Year 3 BMus/BEd Combined Degrees students will be promoted to Year 4 in the Faculty of Education provided that
    1. a minimum AGPA of 2.3 has been achieved, and
    2. a minimum of 99 units applicable to this program has been successfully completed. **Note:** Students in Year 3 who have completed less than 99 units toward the BMus/BEd Combined Degrees but have achieved an AGPA of at least 2.3 may select one of two alternatives:
        1. remain in Year 3 of this program in the Faculty of Arts for one additional year;
        2. apply to enter one of the other Bachelor of Music routes.
8. A student who has been assigned a grade of “W” or “NC” in an Education Field Experience course is entitled to a second registration in this course. See also Reregistration in Courses. Notwithstanding Reregistration in Courses, if a student receives a “W” or “NC” in the second attempt of a Field Experience course, they will be required to withdraw from the Combined Degrees program.

5. Students who fail to meet the fifth-year requirements in the program are permitted to fulfil those requirements only with the approval of the Faculty of Arts and the Faculty of Education upon the recommendation of the Department of Music. Otherwise, students must withdraw from the program, and, if so desired, transfer to another program in the Faculty of Arts or Education for which they are able to meet entrance and promotion requirements.
6. The BMus/BEd Combined Degrees program may be interrupted only with the prior consent of the Department of Music, the Faculty of Arts, and the Faculty of Education. Readmission and continuation will be subject to any conditions, including reauditioning and new program requirements, that may be specified by the Department of Music, the Faculty of Arts, and the Faculty of Education.
7. All qualified Year 3 BMus/BEd Combined Degrees students will be promoted to Year 4 in the Faculty of Education provided that
    1. a minimum AGPA of 2.3 has been achieved, and
    2. a minimum of 99 units applicable to this program has been successfully completed. **Note:** Students in Year 3 who have completed less than 99 units toward the BMus/BEd Combined Degrees but have achieved an AGPA of at least 2.3 may select one of two alternatives:
        1. remain in Year 3 of this program in the Faculty of Arts for one additional year;
        2. apply to enter one of the other Bachelor of Music routes.
8. A student who has been assigned a grade of “W” or “NC” in an Education Field Experience course is entitled to a second registration in this course. See also Reregistration in Courses. Notwithstanding Reregistration in Courses, if a student receives a “W” or “NC” in the second attempt of a Field Experience course, they will be required to withdraw from the Combined Degrees program.

Reviewed/Approved by:

REQUIRED: Faculty Council (or delegate) and approval date. Faculty of Education, Undergraduate Academic Affairs - Approved - September 21, 2023
OPTIONAL: Other internal faculty approving bodies, consultation groups, or departments, and approval dates. Approved by Music Department Council (30 August 2023) - Stephen Tchir

UNIVERSITY OF ALBERTA

Calendar Change Request Form
for Course Changes

See the Calendar Guide for tips on how to complete this form.

Faculty (& Department or Academic Unit):	FoKSR
Contact Person:	Angela Bayduza KSR Associate Dean, Undergraduate Programs ksradu@ualberta.ca
Level of change: (choose one only) [?]	☑ Undergraduate
	☐ Graduate
For which term will this change take effect?	Fall 2024

Rationale

Things to consider (maximum 500 words): Why is this being changed; How will it benefit students/department/unit; How is this comparable to similar programs (internal or external); Historical context; Impacts to administration or program structure; Consultation with stakeholders

The following minor editorial change to the HE ED 110 course description is being proposed to transition the course back to a more traditional lecture based course (of three, 50 min scheduled lectures per week) by the removal of seminars (one, 50 minute seminar per week). The intent of this change is to increase contact hrs for learners with course instructors, while continuing to offer applied, experiential learning opportunities for learners. As well, this change is intended to reduce scheduling conflicts between the course completion requirements and other courses and as well to align pedagogical expectations related to content of the course more appropriately with both participants and teaching assistants in a first level course.

Course Template

Current: ~~Removed language~~	**Proposed:** New language
HE ED 110 - Introduction to Personal Health and Well-Being **Course Career** Undergraduate **Units** 3 **Approved Hours** ~~VARIABLE~~ **Fee index** 6 **Faculty** Kinesiology, Sport, & Rec **Department** Kinesiology, Sport, & Rec **Typically Offered** either term **Description** An individual-based analysis of physical fitness and personal health and wellness. Emphasis is on planning and managing one's own lifestyle for health and well-being within the context of the current ~~health care~~ system. The ~~blended format~~ of the course will ~~allow application~~ of health information to personal context. ~~Students will attend one lecture, complete online activities, and attend one seminar each week.~~ Open to all students.	**HE ED 110 - Introduction to Personal Health and Well-Being** **Course Career** Undergraduate **Units** 3 **Approved Hours** 3-0-0 **Fee index** 6 **Faculty** Kinesiology, Sport, & Rec **Department** Kinesiology, Sport, & Rec **Typically Offered** either term **Description** An individual-based analysis of physical fitness and personal health and wellness. Emphasis is on planning and managing one's own lifestyle for health and well-being within the context of the current healthcare system. The student-centred, applied learning approach of the course will promote relevance and use of health information to personal context. Open to all students.

Reviewed/Approved by:

REQUIRED: Faculty Council (or delegate) and approval date.

KSR Undergraduate Programs Committee: January 10th, 2024 approval KSR Faculty Executive: January 24th, 2024 reporting KSR Faculty Council: January 31st, 2024 reporting Program Support Team (Undergraduate & Non-Credit): for omnibus consent agenda February 29th, 2024 (pending)
OPTIONAL: Other internal faculty approving bodies, consultation groups, or departments, and approval dates. HE ED 110 Primary Instructors Dr. Taniya Nagpaul (Assistant Professor FoKSR) and Liane Jean (Assistant Lecturer FoKSR) (Nov 28 and Dec 8, 2023) Nicole Lazorek, KSR Manager Academic Programs (various discussions, Fall 2023)

UNIVERSITY OF ALBERTA

Calendar Change Request Form
for Course Changes

See the Calendar Guide for tips on how to complete this form.

Faculty (& Department or Academic Unit):	FoKSR
Contact Person:	Angela Bayduza KSR Associate Dean, Undergraduate Programs ksradu@ualberta.ca
Level of change: (choose one only) [?]	☑ Undergraduate
	☐ Graduate
For which term will this change take effect?	Fall 2024

Rationale

Things to consider (maximum 500 words): Why is this being changed; How will it benefit students/department/unit; How is this comparable to similar programs (internal or external); Historical context; Impacts to administration or program structure; Consultation with stakeholders

Within the course plan of RLS 331 a content refresh is provided to ensure students are in a good place to proceed successfully in the completion of the learning objectives of the course, regardless of the completion of previous course work. A review module provided at the beginning of the course, that encapsulates a summarization of recreation and leisure studies, from a multi-disciplinary perspective, and is aligned with the overall content of RLS 331, ensures that those enrolled in the course are well prepared for continuation and completion of the learning objectives of the course. It is felt that the prerequisite is unnecessary given the entirety of the content provided in the course and the positioning of a refresh at the start of the course. As well, the prerequisite presents a considerable barrier for students from other programs within and outside of KSR to enroll in the course as a senior faculty elective or open option.

Course Template

Current: ~~Removed language~~	**Proposed:** New language
RLS 331 - Leisure Education **Course Career** Undergraduate **Units** 3 **Approved Hours** 3-0-0 **Fee index** 6 **Faculty** Kinesiology, Sport, & Rec **Department** Kinesiology, Sport, & Rec **Typically Offered** either term **Description** A total development process through which individuals develop an understanding of self, leisure, and the relationship of leisure to their own lifestyles and the fabric of society. Examination of determining the place and significance leisure has in one's life. ~~Prerequisite: RLS 100.~~	**RLS 331 - Leisure Education** **Course Career** Undergraduate **Units** 3 **Approved Hours** 3-0-0 **Fee index** 6 **Faculty** Kinesiology, Sport, & Rec **Department** Kinesiology, Sport, & Rec **Typically Offered** either term **Description** A total development process through which individuals develop an understanding of self, leisure, and the relationship of leisure to their own lifestyles and the fabric of society. Examination of determining the place and significance leisure has in one's life.

Reviewed/Approved by:

REQUIRED: Faculty Council (or delegate) and approval date.
KSR Undergraduate Programs Committee: January 10th, 2024 approval
KSR Faculty Executive: January 24th, 2024 reporting
KSR Faculty Council: January 31st, 2024 reporting

Program Support Team (Undergraduate & Non-Credit): for omnibus consent agenda January 25th, 2024 (pending)
OPTIONAL: Other internal faculty approving bodies, consultation groups, or departments, and approval dates. Dr. J. Godwyll, KSR Assistant Professor, RLS 331 Primary Instructor (various discussions Fall 2023; dedicated meeting December 7, 2023) Nicole Lazorek, KSR Manager Academic Programs (various discussions, Fall 2023)

UNIVERSITY OF ALBERTA

Calendar Change Request Form
for Program and Regulation Changes

See the Calendar Guide for tips on how to complete this form.

Faculty (& Department or Academic Unit):	Faculty Pharmacy & Pharmaceutical Sciences
Contact Person:	Dion Brocks, Professor and Associate Dean
Level of change: (choose one only)	☑ Undergraduate
	☐ Graduate
Type of change request: (check all that apply)	☑ Program
	☐ Regulation
For which term is this intended to take effect?	2023/2024
Does this proposal have corresponding course changes? (Should be submitted at the same time)	no

Rationale

Things to consider (maximum 500 words): Why is this being changed; How will it benefit students/department/unit; How is this comparable to similar programs (internal or external); Historical context; Impacts to administration or program structure; Consultation with stakeholders

The minimum GPA for Satisfactory academic performance for each year of the PharmD program is 2.1, not 2.0. The 2.0 was historical and was based on outdated GPA requirements.

Calendar Copy

https://calendar.ualberta.ca/content.php?catoid=39&navoid=12274#admission
URL in current Calendar

Current Copy: ~~Removed language~~	**Proposed Copy:** New language
Academic Standing Doctor of Pharmacy (PharmD) 1. Grades……. 2. Reexaminations: See Reexaminations a. Students are advised that it is not possible to make a ruling regarding remediation or reexamination until all grades for a year are received and recorded. ~~b~~. The reexamination mark will replace the original final exam mark. Reexamination results do not alter the student's class standing. ~~c~~. Any student who, after reexamination and/or evaluation, fails to meet promotion/graduation requirements, is deemed to have failed the year.	Academic Standing Doctor of Pharmacy (PharmD) 1. Grades……. 2. Reexaminations: See Reexaminations a. Students are advised that it is not possible to make a ruling regarding remediation or reexamination until all grades for a year are received and recorded. b. The minimum GPA for a reexamination is 2.1. c. The reexamination mark will replace the original final exam mark. Reexamination results do not alter the student's class standing. d. Any student who, after reexamination and/or evaluation, fails to meet promotion/graduation requirements, is deemed to have failed the year.

~~d~~. A student who does not take a reexamination within the time period prescribed by the Faculty will not be allowed to continue in the program. ~~e~~. Reexamination procedure:.....	e. A student who does not take a reexamination within the time period prescribed by the Faculty will not be allowed to continue in the program. f. Reexamination procedure:.....

Reviewed/Approved by:

REQUIRED: Faculty Council: May 16, 2023
OPTIONAL: Other internal faculty approving bodies, consultation groups, or departments, and approval dates.

UNIVERSITY OF ALBERTA

Calendar Change Request Form
for Program and Regulation Changes

See the Calendar Guide for tips on how to complete this form.

Faculty (& Department or Academic Unit):	Pharmacy and Pharmaceutical Sciences
Contact Person:	Dr Jill Hall, Director, PharmD Program
Level of change: (choose one only)	☑ Undergraduate
	☐ Graduate
Type of change request: (check all that apply)	☐ Program
	☐ Regulation
For which term is this intended to take effect?	Winter 2024
Does this proposal have corresponding course changes? (Should be submitted at the same time)	

Rationale

Things to consider (maximum 500 words): Why is this being changed; How will it benefit students/department/unit; How is this comparable to similar programs (internal or external); Historical context; Impacts to administration or program structure; Consultation with stakeholders

The title and description for this course has been updated to reflect the course content as it's evolved from its initial offering in the Winter 2021 term. Pharmacogenomics has been threaded through other pharmacy courses and is a minor concept in this course currently. A change in course name will hopefully connect the diverse course content more clearly for students, through its focus on drug safety.

Calendar Copy

URL in current Calendar
https://calendar.ualberta.ca/preview_program.php?catoid=39&poid=48100&hl=%22pharm+401%22&returnto=search#

Current Copy: ~~Removed language~~	**Proposed Copy:** New language
PHARM 401 - Toxicology, ~~**Drugs of Abuse and Related Pharmacology**~~ **Course Career Undergraduate** **Units** 3 **Approved Hours** 3-0-0 **Fee index** 6 **Faculty** Pharmacy & Pharmaceutical Sci **Department** Pharmacy & Pharmaceutical Sc **Typically Offered** second term **Description** Provides students with fundamental knowledge of toxicology of prescription and non-prescription medications and ~~drugs of abuse~~. Clinical relevance of toxicology~~, including pharmacogenomic concepts,~~ will be explored through the examination of drug toxicity to specific target organs and approaches to managing	**PHARM 401 - Toxicology** **Course Career Undergraduate** **Units** 3 **Approved Hours** 3-0-0 **Fee index** 6 **Faculty** Pharmacy & Pharmaceutical Sci **Department** Pharmacy & Pharmaceutical Sc **Typically Offered** second term **Description** Provides students with fundamental knowledge of toxicology of prescription and non-prescription medications and substances with misuse potential. Clinical relevance of toxicology will be explored through the examination of drug toxicity to specific target organs and approaches to managing poisoning and adverse drug reactions. (Restricted to Pharmacy students.)

poisoning and adverse drug reactions. (Restricted to Pharmacy students.)	

Reviewed/Approved by:

REQUIRED: Faculty Council (or delegate) and approval date. January 16,2024
OPTIONAL: Curriculum Committee October 27, 2023

UNIVERSITY OF ALBERTA

Calendar Change Request Form
for Course Changes

See the Calendar Guide for tips on how to complete this form.

Faculty (& Department or Academic Unit):	Rehabilitation Medicine
Contact Person:	Amy Peters / Tammy Hopper
Level of change: (choose one only) [?]	☑ Undergraduate
	☐ Graduate
For which term will this change take effect?	Fall 2024

Rationale

Things to consider (maximum 500 words): Why is this being changed; How will it benefit students/department/unit; How is this comparable to similar programs (internal or external); Historical context; Impacts to administration or program structure; Consultation with stakeholders

This course is new. It is being offered to University of Alberta students and to high school students in Treaty 8 First Nations as a 'dual credit' course. Specifically, dual credit courses are offered for credit in high school as well as for credit towards university undergraduate programs (including degrees, certificates and diplomas). There is currently no similar course at the University of Alberta. The Faculty of Rehabilitation Medicine has consulted with the Vice-Provost (Indigenous Programming and Research), and the Vice-Provost (Programs), as well as Alberta Education regarding the development of this course. The course content and form of delivery are being co-developed in partnership with high school teachers in Treaty 8, the Director of Education (K-12) of Treaty 8, and with Indigenous students and academic teaching staff in the Faculty of Rehabilitation Medicine. The course will be co-taught with high school teachers in Treaty 8 First Nations in Alberta.

Course Template

Current: ~~Removed language~~	**Proposed:** New Course
Subject & Number	**REHAB 102**
Title	**Title:** Foundations of Rehabilitation: Indigenous Perspectives
Course Career	**Course Career: UGRD**
Units	**Units: 3**
Approved Hours	**Approved Hours: 3-0-0**
Fee index	**Fee index: 6**
Faculty	**Faculty: Faculty of Rehabilitation Medicine**
Department	**Department: N/A**
Typically Offered	**Typically Offered: various**
Description	**Description:** This course is designed to introduce learners to foundations of the rehabilitation disciplines of physical therapy, occupational therapy, and speech-language therapy. The course will focus on Indigenous perspectives on health and wellness and how these relate to current rehabilitation theory and practice.

Reviewed/Approved by:

REQUIRED: FRM Faculty Council - January 24, 2024
OPTIONAL: FRM Executive Council - January 10, 2024

UNIVERSITY OF ALBERTA

Calendar Change Request Form
for Course Changes

See the Calendar Guide for tips on how to complete this form.

Faculty (& Department or Academic Unit):	Occupational Therapy, Rehabilitation Medicine
Contact Person:	Amy Peters/Cori Schmitz
Level of change: (choose one only) [?]	☐ Undergraduate
	☑ Graduate
For which term will this change take effect?	Fall 2024

Rationale

Things to consider (maximum 500 words): Why is this being changed; How will it benefit students/department/unit; How is this comparable to similar programs (internal or external); Historical context; Impacts to administration or program structure; Consultation with stakeholders

The proposed calendar changes align our occupational therapy program with the latest Canadian Competencies for Occupational Therapists (2021) and our newly designed curriculum educational framework, “Education for Capabilities”. These changes ensure our students receive an up-to-date, evidence-based education, preparing them to meet current and future demands in the field.

Course Template

Current: ~~Removed language~~	**Proposed:** New language
OCCTH 568 ~~Research and Scholarly Practice 1~~ **Course Career** Graduate **Units** ~~2~~ **Approved Hours** ~~1-~~1S-0 **Fee index** ~~4~~ **Faculty** Rehabilitation Medicine **Department** Occupational Therapy **Typically Offered** either term ~~Critical inquiry and anti-oppressive practice; critically situating and politicizing occupation and occupational therapy; community engaged research and socially transformative action.~~	**Subject & Number** OCCTH 568 **Title** Scholarly Practitioner & Program Evaluation in Occupational Therapy **Course Career** Graduate **Units** 3 **Approved Hours** 2-1S-0 **Fee index** 6 **Faculty** Rehabilitation Medicine **Department** Occupational Therapy **Typically Offered** either term **Description** Students will learn strategies to critically integrate research and evaluation methods into everyday occupational therapy practice.

Reviewed/Approved by:

REQUIRED: Faculty Council (or delegate) and approval date.

OPTIONAL:

UNIVERSITY OF ALBERTA

Calendar Change Request Form
for Course Changes

See the Calendar Guide for tips on how to complete this form.

Faculty (& Department or Academic Unit):	School of Public Health
Contact Person:	Helen Starodub
Level of change: (choose one only) [?]	☑ Undergraduate
	☐ Graduate
For which term will this change take effect?	Upon Approval

Rationale

Things to consider (maximum 500 words): Why is this being changed; How will it benefit students/department/unit; How is this comparable to similar programs (internal or external); Historical context; Impacts to administration or program structure; Consultation with stakeholders

The School of Public Health is introducing these 300-level undergraduate courses for three major reasons: 1) an increasing demand from undergraduates at the University of Alberta for public health education, and 2) to generate new revenue through tuition as incentivized by the new Budget Model 2.0. 3) Strategic directions within the CHS to build undergraduate offerings that could align with a future BHSA set of 300-level courses on important public health topics fills a gap between our current SPH 200 and several 400-level courses. We expect that this series of courses will be an important pathway for undergraduate students who enroll in the highly anticipated Bachelors of Health Science being developed by the College of Health Sciences.

Course Template

Current: ~~Removed language~~	**Proposed:** New language
New*	**Subject & Number - SPH 301** **Title - Public Health in a Global World** **Course Career - Undergraduate** **Units - 3** **Approved Hours 3-0-0** **Fee index - 6** **Faculty - School of Public Health** **Typically Offered - Any term** **Description:** This course presents concepts of public health in the context of an increasingly global world. Globalization can be defined as “processes leading to the creation of a world as a single entity, relatively undivided by national borders or other types of boundaries.” The linkage between globalization and health is complex and involves an intricate web of factors. Understanding the multifaceted nature of global health challenges that influence health, students will critically analyze the complexities of health disparities, the impact of globalization and gain an understanding of how to influence the health of the public both positively and negatively. Students will explore

	innovative solutions, interventions and sustainable practices aimed at mitigating the impact of globalization on human health. Prerequisite: SPH 200 or consent of instructor.
	Subject & Number - SPH 302 **Title - Fighting Misinformation for Public Health** **Course Career - Undergraduate** **Units - 3** **Approved Hours 3-0-0** **Fee index - 6** **Faculty - School of Public Health** **Typically Offered - Any term** **Description:** This course confronts the growing challenge of misinformation and disinformation about interventions aimed at improving health, at the individual and population level. Through illustrative examples involving vaccinations, supplements, exercise and diet, you will learn to recognize common patterns and strategies through which misinformation is spread. We will also cover strategies to fight misinformation, including debunking, crafting counter messages and regulatory responses at the systemic level. Prerequisite: SPH 200 or consent of instructor.

Reviewed/Approved by:

REQUIRED: Faculty Council (or delegate) and approval date. SPH Faculty Council Approval - January 29, 2024
OPTIONAL: Other internal faculty approving bodies, consultation groups, or departments, and approval dates. Committee on Educational Policy and Programs (CEPP) - January 22, 2024

UNIVERSITY OF ALBERTA

Calendar Change Request Form for Course Changes

See the Calendar Guide for tips on how to complete this form.

Faculty (& Department or Academic Unit):	School of Public Health
Contact Person:	Patrick Hanington/Helen Starodub
Level of change (choose one only) [?]	• Undergraduate
For which term will this change take effect?	Upon approval

Rationale

This proposal to cross-list SPH 512 as SPH 412/512 aligns with continued efforts by the School of Public Health to offer undergraduate-level courses in the area of environment and public health. As SPH works to develop an Undergraduate Embedded Certificate in Planetary Health, courses that are prioritized as offerings in this UEC are being made accessible to undergraduate students in all faculties at the U of A. Understanding the assessment and management of risk is a core theoretical and practical dimension of environmental health. Translating basic science related to toxicology, epidemiology and infectious diseases into assessments of risk posed to populations by these hazards is the focus of SPH 412/512.

The content of SPH 412/512 will be the same for both student levels. However, assessment for graduate students enrolled in SPH 512 will differ slightly from the undergraduate students in SPH 412. Marking rubrics will be adjusted for SPH 512 students to assess the higher-level learning objectives expected of graduate students taking this course. Additionally, SPH 512 students must complete one more comprehensive assignment above the common assessments shared between SPH 412 and SPH 512.

SPH 512 has been consistently offered as an elective course through the School of Public Health for many years. It has consistently attracted students in the Masters of Public Health (MPH) and MSc programs offered by the School of Public Health and Environmental Engineering. We anticipate that an undergraduate offering of SPH 412 will also be attractive to students in the fourth year of the science or engineering undergraduate degrees. We expect ~50 undergraduate students to enroll in SPH 412 annually.

The SPH 412/512 course description has been updated as part of this proposal to reflect new knowledge and concepts relevant to risk assessment and management.

Course Template

Current	**Proposed**
~~Removed language~~	New language
Subject & Number	**Subject & Number**
SPH 512	**SPH 512**
Title	**Title : Environmental Risk Assessment and Management**
Environmental Risk Assessment and Management	**Course Career - Graduate**
Course Career	**Units - 3**

Units - 3 **Approved Hours** **Fee index - 6** **Faculty – School of Public Health** **Department** **Typically Offered - Fall Term** **Description:** **Concepts of risk to health and environment, assessment, management and communication of risk, hazard identification, links to exposure assessment, ~~toxicology and epidemiology~~, dose response assessment, risk characterization, regulatory and policy science. Note: Credit may not be obtained for both PHS 512 and SPH 512.**	**Approved Hours 3-0-0** **Fee index - 6** **Faculty – School of Public Health** **Department** **Typically Offered – Any Term** **Description** **This course will introduce students to the frameworks of environmental risk analysis in the context of human, ecosystem, and planetary health. Concepts include problem formulation, risk assessment, risk characterization, risk management and the communication of risk. A special emphasis is placed on the science of risk assessment including hazard identification, exposure assessment, effects assessment, dose response assessment/modeling and the characterization of risk. The art of public engagement in risk analysis and how regulations and policy science are also discussed in brief. Note: Credit may not be obtained for both PHS 512 and SPH 512.**
New	**SPH 412** **Title: Environmental Risk Assessment and Management** **Course Career - Undergraduate** **Units - 3** **Approved Hours 3-0-0** **Fee index - 6** **Faculty – School of Public Health** **Department** **Typically Offered – Any Term** **Description** **This course will introduce students to the frameworks of environmental risk analysis in the context of human, ecosystem, and planetary health. Concepts include problem formulation, risk assessment, risk characterization, risk management and the communication of risk. A special emphasis is placed on the science of risk assessment including hazard identification, exposure assessment, effects assessment, dose response assessment/modeling and the characterization of risk. The art of public engagement in risk analysis and how regulations and policy science are also discussed in brief. Note: Credit may not be obtained for both SPH 412 and SPH 512.**

Reviewed/Approved by:

Approved by SPH Faculty Council - December 12, 2023
Committee on Educational Policy and Programs - Approved on November 10, 2023

UNIVERSITY OF ALBERTA

Calendar Change Request Form for Course Changes

See the Calendar Guide for tips on how to complete this form.

Faculty (& Department or Academic Unit):	School of Public Health
Contact Person:	Patrick Hanington/Helen Starodub
Level of change (choose one only) [?]	• Undergraduate
For which term will this change take effect?	Upon Approval

Rationale

The proposal to cross-list SPH 556 as SPH 456/556 aligns with continued efforts by the School of Public Health to offer undergraduate-level course offerings in the area of environment and public health. As SPH works to develop an Undergraduate Embedded Certificate in Planetary Health, courses that are prioritized as offerings in this UEC are being made accessible to undergraduate students in all faculties at the U of A. The topic of Climate Change and Human Health is of high interest to undergraduate students (who are already taking this class with the approval of the instructor), and the topic of the class aligns closely with the vision for the Planetary Health UEC.

The content for SPH 456/556 will remain the same for both student levels. However, assessment will differ slightly for students in the 556 offering: (1) when undergraduate and graduate students will complete the same assignments, the marking rubrics for these assignments will differ between the groups, with students enrolled in SPH 556 having a more comprehensive assessment focused on assessing their understanding of core concepts and knowledge related to the impact of climate change on human health; and/or (2) the assignments may differ for undergraduate and graduate students, with graduate students having more comprehensive assignments.

SPH 556 was first offered in Winter 2023 and has already become a popular course. We anticipate substantial interest from undergraduate students in this class, expecting ~100 more students to be enrolled in the course each year above the current 30 graduate students.

Understanding how climate change impacts human health and will impact human health in the future is a National and international priority. The University of Alberta is a world leader in this space and is one of the only Canadian institutions with courses (including SPH 456/556) that focus on the impact of climate change on human health.

Course Template

Current	**Proposed**
~~Removed language~~	New language
*** New Course**	**Subject & Number** **SPH 456** **Title** **Climate Change and Human Health** **Course Career - Undergraduate** **Units - 3** **Approved Hours 3-0-0**

	Fee index - 6 **Faculty – School of Public Health** **Department** **Typically Offered – Winter Term** **Description** **Climate change has severe and wide-sweeping consequences for humanity with important threats to human health and wellness. With health impacts ranging from heat-related deaths to infectious diseases (e.g., waterborne, foodborne, vector borne, and zoonotic diseases) to malnutrition to mental health to health service disruption and beyond, climate change is considered one of the biggest health challenges of the 21st century. This course focuses on how climate change is already impacting our health, and how we can diminish those impacts. Students will examine how past and future climate change hazards, exposures, and vulnerabilities shape health risks. Case studies will demonstrate how health equity, intersectionality, and social determinants of health can mediate or amplify risks. Students will apply vulnerability assessment tools to identify and prioritize effective and feasible adaptation and mitigation actions. Through discussion, teamwork, and real-world examples, students will apply principles of transdisciplinary systems thinking, equity and justice, sustainability, complexity, Indigenous Peoples' Rights, and community engagement to not only understand climate change impacts on health but to also move into the solution space. Credit may not be obtained for both SPH 456 and SPH 556.**

Reviewed/Approved by:

Approved by SPH Faculty Council on December 12, 2023
Committee on Educational Policy and Programs - Approved on November 10, 2023

UNIVERSITY OF ALBERTA

Calendar Change Request Form for Course Changes

See the Calendar Guide for tips on how to complete this form.

Faculty (& Department or Academic Unit):	School of Public Health
Contact Person:	Patrick Hanington/Helen Starodub
Level of change (choose one only) [?]	• Undergraduate
For which term will this change take effect?	Upon approval

Rationale

This proposal to cross-list SPH 512 as SPH 412/512 aligns with continued efforts by the School of Public Health to offer undergraduate-level courses in the area of environment and public health. As SPH works to develop an Undergraduate Embedded Certificate in Planetary Health, courses that are prioritized as offerings in this UEC are being made accessible to undergraduate students in all faculties at the U of A. Understanding the assessment and management of risk is a core theoretical and practical dimension of environmental health. Translating basic science related to toxicology, epidemiology and infectious diseases into assessments of risk posed to populations by these hazards is the focus of SPH 412/512.

The content of SPH 412/512 will be the same for both student levels. However, assessment for graduate students enrolled in SPH 512 will differ slightly from the undergraduate students in SPH 412. Marking rubrics will be adjusted for SPH 512 students to assess the higher-level learning objectives expected of graduate students taking this course. Additionally, SPH 512 students must complete one more comprehensive assignment above the common assessments shared between SPH 412 and SPH 512.

SPH 512 has been consistently offered as an elective course through the School of Public Health for many years. It has consistently attracted students in the Masters of Public Health (MPH) and MSc programs offered by the School of Public Health and Environmental Engineering. We anticipate that an undergraduate offering of SPH 412 will also be attractive to students in the fourth year of the science or engineering undergraduate degrees. We expect ~50 undergraduate students to enroll in SPH 412 annually.

The SPH 412/512 course description has been updated as part of this proposal to reflect new knowledge and concepts relevant to risk assessment and management.

Course Template

Current	**Proposed**
~~Removed language~~	New language
Subject & Number	**Subject & Number**
SPH 512	**SPH 512**
Title	**Title : Environmental Risk Assessment and Management**
Environmental Risk Assessment and Management	

Course Career **Units - 3** **Approved Hours** **Fee index - 6** **Faculty – School of Public Health** **Department** **Typically Offered - Fall Term** **Description:** **Concepts of risk to health and environment, assessment, management and communication of risk, hazard identification, links to exposure assessment, ~~toxicology and epidemiology~~, dose response assessment, risk characterization, regulatory and policy science. Note: Credit may not be obtained for both PHS 512 and SPH 512.**	**Course Career - Graduate** **Units - 3** **Approved Hours 3-0-0** **Fee index - 6** **Faculty – School of Public Health** **Department** **Typically Offered – Any Term** **Description** **This course will introduce students to the frameworks of environmental risk analysis in the context of human, ecosystem, and planetary health. Concepts include problem formulation, risk assessment, risk characterization, risk management and the communication of risk. A special emphasis is placed on the science of risk assessment including hazard identification, exposure assessment, effects assessment, dose response assessment/modeling and the characterization of risk. The art of public engagement in risk analysis and how regulations and policy science are also discussed in brief. Note: Credit may not be obtained for both PHS 512 and SPH 512.**
New	**SPH 412** **Title: Environmental Risk Assessment and Management** **Course Career - Undergraduate** **Units - 3** **Approved Hours 3-0-0** **Fee index - 6** **Faculty – School of Public Health** **Department** **Typically Offered – Any Term** **Description** **This course will introduce students to the frameworks of environmental risk analysis in the context of human, ecosystem, and planetary health. Concepts include problem formulation, risk assessment, risk characterization, risk management and the communication of risk. A special emphasis is placed on the science of risk assessment including hazard identification, exposure assessment, effects assessment, dose response assessment/modeling and the characterization of risk. The art of public engagement in risk analysis and how regulations and policy science are also discussed in brief. Note:**

	Credit may not be obtained for both SPH 412 and SPH 512.

Reviewed/Approved by:

Approved by SPH Faculty Council - December 12, 2023
Committee on Educational Policy and Programs - Approved on November 10, 2023

UNIVERSITY OF ALBERTA

Calendar Change Request Form for Course Changes

See the Calendar Guide for tips on how to complete this form.

Faculty (& Department or Academic Unit):	Engineering, Mechanical Engineering
Contact Person:	Mahdi Hamidi
Level of change (choose one only) [?]	• Graduate
For which term will this change take effect?	Fall 2025

Rationale

The inspiration behind introducing this course comes from recognizing the high potential of advanced nanofabrication techniques and the unique behavior of materials at the nanoscale. In recent years, nanotechnology has emerged as a driving force behind innovation across various industries. Materials exhibit different properties when operating at the nanoscale, which are strongly influenced by their dimensions. This crucial fact highlights the importance of integrating nanoscale fabrication and characterization into our curriculum, equipping students with the skills needed for the future of engineering and materials design.

This course can offer the followings to our students: (i) This course explores the latest nanofabrication and techniques, empowering students to stay at the forefront of technological advancements. They gain expertise in various fabrication methods for nanostructures and 3D nanoarchitected materials which are highly relevant in modern industries. (ii) It emphasizes the application of experimental nanoscale characterization methods, both in-situ and ex-situ, to investigate the mechanics and physics of nanostructures. This foundational knowledge enables students to deeply understand the mechanisms governing nanoscale phenomena in fabricated materials. (iii) Graduates of this course not only gain expertise in nanoscale fabrication and characterization but also learn to identify and apply principles of nanoscale material design to emerging applications. This prepares students for dynamic roles in modern industries, bridging the gap between theory and practical nanotechnology applications.

Importantly, this course has the potential to elevate the reputation of our department and the faculty as one of the leading Canadian universities in emerging technological fields. It complements existing curricula, enhancing students' education by merging theory and application in nanotechnology, ultimately raising the overall quality of our educational offerings. Additionally, it seamlessly aligns with existing nanotechnology resources at the University of Alberta, such as NINT and nanoFAB, amplifying our capabilities and capitalizing on our institutional strengths. This alignment fosters innovation to nanomanufacturing and nanoscale material design.

Comparatively, similar courses are already integrated into the graduate curricula of various international institutions, including ESE536 at the University of Pennsylvania, ME598 at the University of Illinois Urbana-Champaign, Nanofabrication Methods at the University of Cambridge, 2.S981 at MIT, and 402-0595-00V at ETH. While some Canadian courses touch upon related topics (e.g., UofT MIE1744H, Western MME9620, Waterloo NE226 and NE461, UBC ELEC546), this course distinguishes itself through its specific focus on areas that set it apart:

(i) Unique Skill Set: Graduates from this course possess a distinctive nanomanufacturing skill set not commonly found in other Canadian institutions. It emphasizes the development of 3D nanoarchitected materials tailored for emerging applications, such as nanosensors, microactuators, and microdevices.

(ii) Nanoscale Characterization: Unlike traditional nanocharacterization courses, this one explores atomic force microscopy-based methods and in-situ nanomechanical testing, providing students with specialized expertise in these crucial areas.

By offering this specialized course, our department stands out in Canada, providing graduates with sought-after skills that align with the latest advancements in nanotechnology, ensuring that our graduates are well-prepared for the demands of modern industries and research.

Course Template

***** New Course *****	**Proposed** **Subject & Number: MEC E 661** **Title: Nanomanufacturing & Nanocharacterization** **Course Career: Graduate** **Units: 3** **Approved Hours: 3-0-0** **Fee index: 6** **Faculty: Engineering** **Department: Mechanical Engineering** **Typically Offered: Either term** **Description:** An introduction to advanced nanomanufacturing techniques and their physics. A review of nanocharacterization techniques with a focus on experimental nanomechanical analysis. An outline of the mechanics and physics of nanostructures.

Reviewed/Approved by:

REQUIRED: Approved by Faculty APC on Oct 12, 2023 Approved by the MECE Department Council on Sept 28, 2023; Approved by GPC on Oct 4, 2023 Approved by Faculty Execute Coordinating Committee (ECC) on Oct 24, 2023
OPTIONAL: Reviewed by Department GPC and APC.

Course description and justification

1. Calendar description (as above)

An introduction into advanced nanomanufacturing techniques and their physics. A review of nanocharacterization techniques with a focus on experimental nanomechanical analysis. An outline of the mechanics and physics of nanostructures.

2. Course justification

The inspiration behind introducing this course comes from recognizing the high potential of advanced nanofabrication techniques and the unique behavior of materials at the nanoscale. In recent years, nanotechnology has emerged as a driving force behind innovation across various industries. Materials exhibit different properties when operating at the nanoscale, which are strongly influenced by their dimensions. This crucial fact highlights the importance of integrating nanoscale fabrication and characterization into our curriculum, equipping students with the skills needed for the future of engineering and materials design.

This course can offer the following to our students: (i) This course explores the latest nanofabrication and techniques, empowering students to stay at the forefront of technological advancements. They gain expertise in various fabrication methods for nanostructures and 3D nanoarchitected materials which are highly relevant in modern industries. (ii) It emphasizes the application of experimental nanoscale characterization methods, both in-situ and ex-situ, to investigate the mechanics and physics of nanostructures. This foundational knowledge enables students to deeply understand the mechanisms governing nanoscale phenomena in fabricated materials. (iii) Graduates of this course not only gain expertise in nanoscale fabrication and characterization but also learn to identify and apply principles of nanoscale material design to emerging applications. This prepares students for dynamic roles in modern industries, bridging the gap between theory and practical nanotechnology applications.

Importantly, this course has the potential to elevate the reputation of our department and the faculty as one of the leading Canadian universities in emerging technological fields. It complements existing curricula, enhancing students' education by merging theory and application in nanotechnology, ultimately raising the overall quality of our educational offerings. Additionally, it seamlessly aligns with existing nanotechnology resources at the University of Alberta, such as NINT and nanoFAB, amplifying our capabilities and capitalizing on our institutional strengths. This alignment fosters innovation to nanomanufacturing and nanoscale material design.

Comparatively, similar courses are already integrated into the graduate curricula of various international institutions, including ESE536 at the University of Pennsylvania, ME598 at the University of Illinois Urbana-Champaign, Nanofabrication Methods at the University of Cambridge, 2.S981 at MIT, and 402-0595-00V at ETH. While some Canadian courses touch upon related topics (e.g., UofT MIE1744H, Western MME9620, Waterloo NE226 and NE461, UBC ELEC546), this course distinguishes itself through its specific focus on areas that set it apart:

(i) Unique Skill Set: Graduates from this course possess a distinctive nanomanufacturing skill set not commonly found in other Canadian institutions. It emphasizes the development of 3D nanoarchitected materials tailored for emerging applications, such as nanosensors, microactuators, and microdevices.

(ii) Nanoscale Characterization: Unlike traditional nanocharacterization courses, this one explores atomic force microscopy-based methods and in-situ nanomechanical testing, providing students with specialized expertise in these crucial areas.

By offering this specialized course, our department stands out in Canada, providing graduates with sought-after skills that align with the latest advancements in nanotechnology, ensuring that our graduates are well-prepared for the

demands of modern industries and research.

Complementary courses within the university include:

MECE 669 – Multifunction Polymer-Based Composites

Multifunctional Polymer-based Composites (MFPC) manufacturing processes, micro- and nanoscale characterization; Modeling strategies for MFPC properties (continuum, atomistic, multiscale); Characteristics and synergistic effects of MFPC with hard and soft inclusions; Modeling, characterization and properties of MFPC with electrically conductive fillers, for enhanced thermal conductivity, with magnetic properties, for EMF shielding/reflection, with increased diffusion barrier properties.

Difference: MECE 669 touches on micro- and nanoscale characterization, with emphasis on polymer composites. The proposed course, alongside nanomanufacturing techniques, will establish a strong basis in nanocharacterization. It places a particular emphasis on experimental nanomechanics methods, including atomic AFM-based techniques such as FFM, TSM, and KPFM. Moreover, it includes in-situ TEM and SEM nanomechanical testing. Students will gain hands-on experience in characterizing materials at the nanoscale.

MECE 662 - Introduction to Polymer Microfabrication

MECE 662 explores microfabrication technologies, MEMS and microfluidics using polymers and plastics, introduction to soft-lithography, choosing polymers for microfabricated products, functional polymers and composites, characterization and testing of microstructured polymers, packaging and bonding of polymers.

Difference: MECE 662 covers the microfabrication of technologies for microfluidic devices, primarily centered around functional polymers and composites. This course also includes aspects of characterization and testing of microstructured polymers. In contrast, the proposed course places its main emphasis on the *nanoscale* fabrication and characterization of various materials, including polymers, ceramics, and metals.

MECE 644 – Multifunction Polymer-Based Composites

Formation, characterization, modelling and applications of polymeric and composite nanofibers. Emphasis on nanofibers produced using electrospinning.

Difference: MECE 644 covers the manufacturing and characterization of polymer composites, with a primary focus on nanofibers. However, the proposed course will concentrate on two main aspects: (i) nanomanufacturing with an emphasis on the development of 3D nanoarchitected materials and (ii) nanocharacterization with a focus on experimental nanomechanical testing.

MECE 664 - Advanced Design and Simulation of Micro and Nano Electromechanical Sensors (MEMS/NEMS)

Advanced topics dealing with MEMS technologies, transduction mechanisms, and microfabricated sensors and actuators. Sensors for acceleration, rotation rate, pressure, and different micro actuators. MEMS in microfluidics and biomedical applications. Chemical, gas, and biosensors.

Difference: MECE 664 touches on microfabrication of sensors. However, the proposed course explores a wide variety of advanced nanomanufacturing techniques such as micro/nano lithography, 2-photon laser lithography, nanoimprinting, nanomanipulation, and thin layer deposition methods.

MECE 682 – Nanomechanics

MECE 662 focusses on physical modelling of nanoscale forces and systems. Surface forces, van der Waals forces, electrostatic forces, Poisson-Boltzmann equation, capillary forces, adhesion contact mechanics, surface energy, tip-surface interaction, adhesion of micro-cantilevers, microbeam arrays, carbon nanotubes, dissipation in MEMS/NEMS, fluid flow with slip, mechanical models for cells, biomembranes, cellular filaments, microtubules, molecular dynamics (MD) simulation.

Difference: The proposed course would be a valuable complement to the theoretical nanomechanics taught in MECE 682. In contrast to MECE 682, this proposed course not only covers nanomanufacturing techniques but also places a strong emphasis on experimental methods for nanomechanical testing. These methods include atomic

AFM-based techniques such as FFM, TSM, and nanoindentation. Additionally, it incorporates in-situ TEM and SEM nanomechanical testing.

CHEM 544 - Characterization Methods in Nanoscience

Introduction to techniques in determining the composition and structure of materials on the nanometer scale. Characterization of atomic, meso-, and micro-structure of materials including impurities and defects. Major topics will include electron microscopy (transmission, scanning, and Auger) and associated spectroscopies (EDX, EELS), surface sensitive spectroscopies (e.g., XPS, AES, IR) and spectrometry (SIMS), synchrotron techniques, X-ray absorption, fluorescence and emission, and scanned probe microscopies (AFM, STM, etc.). The techniques will be examined through real-world nanotechnology case studies.

Difference: CHEM 544 primarily focuses on the characterization of the chemistry, composition, and structure of materials at the nanoscale. However, in the proposed course, the nanocharacterization component places a special emphasis on nanomechanical characterization methods, including atomic AFM-based techniques and in-situ TEM and SEM nanomechanical testing, aiming to better understand the mechanics and physics of materials at the nanoscale.

ECE 559 - Microfabrication and Nanofabrication Topics II

The fabrication process for microelectronics and MEMs applications. Overview of processing steps: silicon wafer material, oxidation, lithography, diffusion, etching and ion implantation, chemical and physical vapor deposition, metallization. Process model. Yield, packaging, and assembly.

Difference: ECE 559 primarily focuses on nanofabrication of microelectronics and semiconductors, with a particular emphasis on batch silicon wafer processes. However, in the proposed course, in addition to the nanocharacterization component, the nanomanufacturing component explores the development of a wide range of 3D nanoarchitected materials tailored for emerging applications, such as nanosensors, microactuators, and microdevices.

MATE 494 - Nanostructured Materials

Fabrication and application of 1D, 2D, and 3D nanostructured materials. Nanoparticles, carbon nanotubes, graphene, thin films, and nanocomposites. Optical, electrical, and mechanical properties and characterization techniques.

Difference: The proposed course complements the material covered in MATE 494. While MATE 494 focuses on nanoparticle synthesis and characterization, the proposed course emphasizes the organization and fabrication of nanomaterials into 3D structures through advanced nanomanufacturing techniques. Additionally, the proposed course provides training in nanomechanical characterization methods, such as atomic AFM-based techniques and in-situ TEM and SEM nanomechanical testing, which complements the materials covered in MATE 494.

Graduate Student Feedback:

The course was offered in Winter 2023 under MECE 788 and proved to be a great source of motivation for students, enabling them to develop a deeper understanding of various subject areas including nanofabrication, nano characterization, atomic force microscopy, and nanotribology. The students' expressed desire for similar courses shows the significance of offering this course on a regular basis. Here the students' feedback is cited for reference:

	Instructions: *I am motivated to learn more about these subject areas.*
1	It was a complete package that give us a background and a new perspective to understand any research paper in the field.
2	Dr. Hamidinejad is really knowledgeable and he selected current hot topics to teach.
3	Although the course was not related to my research background, I have learned a lot in this course and it motivates me to learn more and try harder in the future.
	The subject of the course was high-tech and all the references were from high-impact journals

	Instructions: *I increased my knowledge of the subject areas in this course.*
1	The reference from papers were really helpful for a deeper understanding especially nanotribology and the guest lecture on MD simulation
2	No matter how many questions students tried to ask, he was always more than welcome to address them. I was surprised by the level of the knowledge he has on every single topic and refences he was presenting.
3	100 %
	Not only the knowledge of the course but also the way to do research and find papers and read them

	Instructions: *Overall the quality of the course content was excellent.*
1	Perfect
2	It opened a new window to the concept of nanomechanics, nanomaterials, and nano-characterization.

3. Learning outcomes and graduate attributes

Upon completing this course, students will be able to:

1) Explain the fundamental principles and physics underlying various nanomanufacturing methods.
2) Evaluate and select appropriate micro/nanofabrication methods for specific applications.
3) Explain the fundamental principles behind various nanocharacterization methods.
4) Evaluate and select appropriate characterization methods for different nanostructures.
5) Explain nanoscale elasticity, strength, tribology of materials.
6) Formulate and apply relevant nanoscale fabrication and/or characterization methods to address specific problems based on nanostructures.

4. Relation between learning outcomes and graduate attributes

Not applicable to 600-level courses.

5. Suggested Reading Sources:

There will be no mandatory textbook for this course. Required readings will be sourced from a variety of outlets, including journal articles and freely available online resources. Additionally, the following texts are suggested as recommended resources.

1. Andrew N. Cleland, Foundations of nanomechanics: from solid-state theory to device applications. ISBN 978-3-642-07821-7 ISBN 978-3-662-05287-7 (eBook)
2. Nanostructures and Nanomaterials: Synthesis, Properties and Applications, G. Gao, Imperial College Press, 2004
3. Three-Dimensional Microfabrication Using Two-Photon Polymerization, 2nd Edition, Editor: Tommaso Baldacchini, eBook ISBN: 9780128178287, Paperback ISBN: 9780128178270
4. Meyer, Hug, Bennewitz, Scanning probe microscopy. ISBN 978-3-642-07737-1 ISBN 978-3-662-09801-1 (eBook)

6. Course outline and schedule

Week	Section	Topic	Deliverables (tentative)
1	Introduction to Nanomanufacturing and Nanocharacterization	● Course introduction and overview ● Introduction to Nanoengineering ● Introduction to Nanostructures and Nanoarchitected Materials	
2	Atomic/Molecular Structure of Materials, Surfaces, and Forces	● Intra- and intermolecular forces ● Crystal structure and defects ● Molecular structure of polymers ● 0D-3D nanostructures	
3	Nanofabrication of Materials	● Micro/nano lithography, ● 2-photon laser lithography,	
4		● 2-photon laser lithography, ● nanoimprinting, nanomanipulation, self-assembly	
5		● Thin layer deposition (PVD, CVD, ALD)	Assignment 1 Due
6	Characterization and Properties of Nanostructures	● Atomic Force Microscopy (AFM) ● Friction force Microscopy (FFM),	
7		● Transverse Shear Microscopy (TSM) ● Kelvin Probe Force Microscopy	Assignment 2 Due
8		● In-situ SEM/TEM Nanomechanical Testing	
9	Mechanics and physics of nanostructures	● Nanoscale elasticity, ● Nanoscale strength	Assignment 3 Due
10		● Nanotribology ● Computational Nanomechanics (Guest Speaker: Dr. Farzin Najafi from GaN Systems Inc.)	
11	Nanostructures: Applications and Future	● Nanocomposites ● Bio-inspired nanoarchitectures	Project Phase 1 Due

12	Perspective	• Polymers • Paradigm shift offered by nanoarchitected materials	
13	Project presentations		Project Phase 2 due
Final Exam			

7. Expected and types of assessment and suggested grade weight:

Assessment Type	Weight
3 Assignments	30%
Project –Phase1	10%
Project Phase 2	20%
Final Project Presentation	10%
Final Exam	30%

Student performance will be evaluated through a combination of **individual** homework assignments, **group** course project and a final exam.

Assignment 1: Nanofabrication Methodology Assessment (10%)
Objective: Assess the ability to select appropriate micro/nanofabrication methods for specific applications. (Learning Outcome 1&2)
Description: Students will be presented with a set of hypothetical nanostructure fabrication challenges. They must match each challenge with the most suitable micro/nanofabrication method from a provided list. A brief explanation of their choices is required, focusing on factors influencing their decisions.

Assignment 2: Characterization Methodology Selection (10%)
Objective: Objective: Evaluate the capability to choose suitable characterization methods for diverse nanostructures. (Learning Outcome 3&4)
Description: Students will receive a list of nanostructures and a corresponding list of characterization tools. For each nanostructure, they will select the most appropriate characterization tool(s) and briefly justify their choices. This exercise tests their understanding of how to match characterization techniques with specific nanostructural properties.

Assignment 3: Case Study (10%)
Objective: Apply knowledge of micro/nanofabrication methods and characterization techniques in practical scenarios. (Learning Outcome 1-4)
Description: Students will analyze a real-world nanotechnology application or research paper, evaluating the underlying physics of the micro/nanofabrication methods and characterization techniques used. Their analysis should emphasize the suitability of these choices for the specific nanostructures involved, demonstrating their understanding of practical applications, and suggesting alternative approaches for addressing the problem of interest.

Course Project Description (40%):
This project challenges small teams of students (group of 2-3) to dive into nanoscale materials analysis and innovation. It is divided into two phases: analysis and innovation. Each phase contributes to the assessment of specific learning outcomes.

Phase 1: Nanoscale Materials Analysis (10%)

● Teams will select a real-world nanomaterial or nanotechnology-related problem. This could be related to a specific industry or field of interest, such as biomedical, electronics, or energy.

● They will conduct an extensive analysis of the chosen nanomaterial's properties (e.g., nanoscale elasticity, strength, and tribological). This analysis should involve reviewing relevant research papers, conducting simulations (if applicable), and exploring available data. Teams will prepare a written report summarizing their findings on the nanoscale properties of the chosen material.

Phase 2: Nanoscale Innovation (30%)

● Based on the nanoscale properties analyzed in Phase 1, teams will propose an innovative solution or application that leverages these properties to address the problem of interest.

● They will formulate a plan for fabricating and characterizing the necessary nanostructures for their proposed solution. This proposed plan should include selecting appropriate fabrication and characterization methods based on their analysis.

● Teams will work on implementing their plan and writing a proposal for the development and characterization of required nanostructures.

● Finally, teams will prepare a proposal (20%) and deliver a presentation (10%) summarizing their innovative solution, the fabrication process, characterization results, and the potential impact of their solution on the identified problem.

Project Assessment:

Phase 1 assesses the understanding of nanoscale properties of materials (Learning Outcome 5).

Phase 2 assesses the formulation and application of relevant nanoscale fabrication and characterization methods for a real-world problem (Learning Outcome 6).

This project encourages collaboration, practical application of knowledge, and innovative thinking while effectively assessing the specified learning outcomes.

Final exam (30%):

The final exam will evaluate students' proficiency in addressing all the course learning outcomes, complementing the assignments and the project.

8. Lab components

None.

9. Required resources

• No additional space is required.
• No additional staff is required.
• TA is not required for the class size smaller than 20 graduate students.

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Calendar Change Request Form
for Program and Regulation Changes

See the Calendar Guide for tips on how to complete this form.

Faculty (& Department or Academic Unit):	Science (Computing Science)
Contact Person:	Leslie Acker
Level of change: (choose one only)	☐ Undergraduate
	☑ Graduate
Type of change request: (check all that apply)	☐ Program
	☑ Regulation
For which term is this intended to take effect?	Fall 2024
Does this proposal have corresponding course changes? (Should be submitted at the same time)	No

Rationale

Things to consider (maximum 500 words): Why is this being changed; How will it benefit students/department/unit; How is this comparable to similar programs (internal or external); Historical context; Impacts to administration or program structure; Consultation with stakeholders

Requested for Early Implementation

Proposal 1: To change the wording for the application deadline to thesis-based M.Sc. and Ph.D. programs.

The current wording on the calendar is confusing. The majority of our students are international. The intention was to move our admissions deadline earlier to give accepted international students more time to successfully gain a visa and begin in the fall (which is much preferred to a late start). Furthermore, many of our competitor departments (both in Canada and US) have deadlines on December 1 or December 15. We expect an earlier deadline will not inconvenience many applicants and will additionally allow us to start processing the applications sooner and make offers at times similar to our competitors (currently, our offers often arrive later than other places, and sometime after applicants have already accepted a competitor's offer).

Proposal 2: We currently require English Language Test marks higher than minimum requirements of GPS (e.g. for TOEFL the minimum requirement of GPS is 90 overall with minimum 21 in each category, while we require minimum 100 overall and minimum 21 in each category; for IELTS GPS requires minimum 6.5 overall with minimum 6 in each test band; while we require minimum 7.0 overall but 6.0 in each test band). For the IELTS test, we propose to adjust our minimum in each band to be 6.5 (instead of 6) to correctly reflect the higher overall minimum 7.0 we require (and corresponds to minimum 20-22 in each category for TOEFL).

Calendar Copy

URL in current Calendar (or "New page")
https://calendar.ualberta.ca/preview_program.php?catoid=39&poid=47593&returnto=12424

Current Copy: ~~Removed language~~	**Proposed Copy:** New language

For all programs EXCEPT the MSc (course-based) with a specialization in Multimedia, the ~~early~~ application deadline is December 15. ~~Assessment of applications will begin on this date as well as consideration for funding and scholarships. Applications will continue to be accepted until Jan 15.~~	For all programs EXCEPT the MSc (course-based) with a specialization in Multimedia, the application deadline is December 15.
Where applicable, applicants must provide proof of English Language Proficiency (refer to English Language Requirement). Any one of the following is acceptable: • a minimum TOEFL score of 100 with a minimum score of 21 on each of the individual skill areas (internet-based), or equivalent • a minimum of ~~6.0~~ on each band on the IELTS with an overall minimum score of 7.0, • a minimum overall score of 70 on the CAEL with at least 60 on each subtest • a minimum overall score of 68 on the PTE.	Where applicable, applicants must provide proof of English Language Proficiency (refer to English Language Requirement). Any one of the following is acceptable: • a minimum TOEFL score of 100 with a minimum score of 21 on each of the individual skill areas (internet-based), or equivalent • a minimum of 6.5 on each band on the IELTS with an overall minimum score of 7.0, • a minimum overall score of 70 on the CAEL with at least 60 on each subtest • a minimum overall score of 68 on the PTE.

Reviewed/Approved by:

REQUIRED: Faculty Council (or delegate) and approval date.	Jan 23, 2024
GPST - Feb. 26, 2024 GPS Council - March 13, 2024 (Anticipated) Programs Committee - March 14, 2024 (Anticipated)	