

Refer to [Making Changes](#) on the University Secretariat's website for information about the DAP process.

Courses - New, Revised, Discontinued

FACULTY OF ARTS AND HUMANITIES

ENGLISH AND WRITING STUDIES

Effective **September 1, 2022**, the following course be introduced.

ENGLISH 2112F/G - ADAPTING ACROSS PAGE, STAGE, AND SCREEN

How does the shape an artwork takes contribute to its aesthetic and political power? When artworks flex across form and media how do their messages change? What did Marshall McLuhan mean when he said “the medium is the message”? How do genre and form shape social and political discourse? In this course, students explore these questions and more as they investigate texts that assume multiple cultural forms and represent a diversity of perspectives.

Antirequisite(s): Film 2212F/G, Theatre Studies 2212F/G.

Prerequisite(s): At least 60% in 1.0 of either English 1020-1999 or Film Studies 1000-1999, or permission of the department.

Extra Information: 3 hours

Course Weight: 0.5 course.

Effective **September 1, 2022**, the following course be introduced.

FILM 2212F/G - ADAPTING ACROSS PAGE, STAGE, AND SCREEN

How does the shape an artwork takes contribute to its aesthetic and political power? When artworks flex across form and media how do their messages change? What did Marshall McLuhan mean when he said “the medium is the message”? How do genre and form shape social and political discourse? In this course, students explore these questions and more as they investigate texts that assume multiple cultural forms and represent a diversity of perspectives.

Antirequisite(s): English 2112F/G, Theatre Studies 2212F/G.

Prerequisite(s): At least 60% in 1.0 of either English 1020-1999 or Film Studies 1000-1999, or permission of the department.

Extra Information: 3 hours

Course Weight: 0.5 course

Effective **September 1, 2022**, the following course be introduced.

THEATRE STUDIES 2112F/G - ADAPTING ACROSS PAGE, STAGE, AND SCREEN

How does the shape an artwork takes contribute to its aesthetic and political power? When artworks flex across form and media how do their messages change? What did Marshall McLuhan mean when he said “the medium is the message”? How do genre and form shape social and political discourse? In this course, students explore these questions and more as they investigate texts that assume multiple cultural forms and represent a diversity of perspectives.

Antirequisite(s): Film 2212F/G, English 2112F/G.

Prerequisite(s): At least 60% in 1.0 of either English 1020-1999 or Film Studies 1000-1999, or permission of the department.

Extra Information: 3 hours

Course Weight: 0.5 course

LANGUAGES AND CULTURES

Effective **September 1, 2022**, the following course be introduced.

SPANISH 2120A/B - LANGUAGE AND SOCIETY IN HISPANIC, CANADIAN, AND ASIAN CULTURES

This course is an introduction to the study of the relationship between language and culture with the goal of understanding social structure. In this course, we focus on three cultures: Hispanic, Canadian, and Asian. Topics include perception and identity development, (non)verbal communication, language use, power, and social networks.

Extra Information: 3 lecture hours. Taught in English.

Course Weight: 0.50

Effective **September 1, 2022**, the following course be introduced.

SPANISH 3340F/G - MEDICAL SPANISH, HEALTH, AND HEALING

Students will learn discipline specific language from different fields of medicine in the Spanish-speaking world. Students will also carry out scenarios based on practical tutorials made in collaboration with medical professionals.

Prerequisite(s): Spanish 2200 or permission of the Department.

Pre-or Corequisite(s): Spanish 3300.

Extra Information: 3 lecture hours

Course Weight: 0.50

BRESCIA UNIVERSITY COLLEGE

PSYCHOLOGY

Effective **September 1, 2022**, the following course be introduced.

PSYCHOLOGY 3850F/G - STATISTICS FOR PSYCHOLOGY III

Building on skills acquired in Statistics for Psychology I and II, this course introduces students to more advanced statistical techniques and contemporary data analysis software. In addition, the course will focus on data visualization and written communication of statistical results in psychology. Analyses covered may include factor analysis, mediation and moderation, hierarchical regression, multi-way ANOVA designs, linear mixed models, and Bayesian methods.

Antirequisite(s): Psychology 3800F/G, Psychology 3830F/G, Psychology 3891F/G, Psychology 3892F/G.

Prerequisite(s): Both Psychology 2850A/B and Psychology 2851A/B and both Psychology 2855F/G and Psychology 2856F/G or both Psychology 2800E and Psychology 2810.

Extra Information: 2 lecture hours, 2 laboratory hours, 0.5 course.

FACULTY OF ENGINEERING

CHEMICAL AND BIOCHEMICAL ENGINEERING

Effective **September 1, 2022**, the following course be revised.

CHEMICAL AND BIOCHEMICAL ENGINEERING 4413Y A/B - SELECTED TOPICS IN CHEMICAL ENGINEERING

INTEGRATED ENGINEERING

Effective **September 1, 2022**, the following course be introduced.

IE 4490A/B – INTEGRATED ENGINEERING UNDERGRADUATE RESEARCH

Independent research conducted under the guidance of a faculty member. Offered: Fall, Spring, Summer. IE 4490A/B can be repeated for credit as IE 4491A/B.

Prerequisite(s): Permission of instructor and minimum cumulative grade average of 75% at time of registration.

Extra Information: 1 lecture hour, 6 laboratory hours. Accreditation units Engineering Science = 100%, Engineering Design = 0%.

Course weight: 0.5 course.

Effective **September 1, 2022**, the following course be introduced.

IE 4491A/B – INTEGRATED ENGINEERING UNDERGRADUATE RESEARCH

Independent research conducted under the guidance of a faculty member. Offered: Fall, Spring, Summer.

Prerequisite(s): IE 4490A/B.

Extra Information: 1 lecture hour, 6 laboratory hours. Accreditation units Engineering Science = 100%, Engineering Design = 0%.

Course weight: 0.5 course.

FACULTY OF SCIENCE, SCHULICH SCHOOL OF MEDICINE & DENTISTRY

ANATOMY AND CELL BIOLOGY

Effective **September 1, 2022**, the following course be revised.

ANATOMY AND CELL BIOLOGY 4200A – CADAVERIC ANATOMY: MUSCULOSKELETAL

Advanced human anatomy course which integrates lecture material with cadaveric laboratory dissections to explain how physical injuries and clinical impairments are associated with the spatial and functional relationships between the major structures of the upper and lower limbs (bones, muscles, ligaments, innervation and vasculature).

Antirequisite(s): The former Anatomy and Cell Biology 2221.

Prerequisite(s): ~~0.5 course with a minimum mark of 80% from: Anatomy and Cell Biology 2200A/B, Health Sciences 2300A/B, Kinesiology 2222A/B; and 0.5 course with a minimum mark of 80% from: Anatomy and Cell Biology 3200A/B, Health Sciences 3300A/B, Kinesiology 3222A/B~~ either (a minimum mark of 80% in Anatomy and Cell Biology 2200A/B) or (a minimum mark of 80% in one of Health Sciences 2300A/B, Kinesiology 1060A/B or Kinesiology 2222A/B; plus a minimum mark of 80% in one of Health Sciences 3300A/B or Kinesiology 3222A/B).

Extra Information: 2 lecture hours, 3 laboratory hours. Restricted to **Year 4** students in ~~Year 4~~ Honours Specialization modules in Kinesiology and ~~students in~~ basic medical science modules.
Course Weight: 0.50

Effective **September 1, 2022**, the following course be revised.

ANATOMY AND CELL BIOLOGY 4201B – CADAVERIC ANATOMY: ORGANS & SYSTEMS

An advanced human anatomy course which integrates lecture material with cadaveric laboratory dissections to explain the structural and functional relationships between the various organs that comprise the cardiovascular, respiratory, digestive, urogenital and central nervous systems. Special attention is given to clinical conditions associated with these anatomical systems.

Antirequisite(s): The former Anatomy and Cell Biology 2221.

Prerequisite(s): ~~0.5 course with a minimum mark of 80% from: Anatomy and Cell Biology 2200A/B, Health Sciences 2300A/B, Kinesiology 2222A/B; and 0.5 course with a minimum mark of 80% from: Anatomy and Cell Biology 3200A/B, Health Sciences 3300A/B, Kinesiology 3222A/B~~ either (a minimum mark of 80% in Anatomy and Cell Biology 2200A/B) or (a minimum mark of 80% in one of Health Sciences 2300A/B, Kinesiology 1060A/B or Kinesiology 2222A/B); plus a minimum mark of 80% in one of Health Sciences 3300A/B or Kinesiology 3222A/B).

Extra Information: 2 lecture hours, 3 laboratory hours. Restricted to **Year 4** students in ~~Year 4~~ Honours Specialization modules in Kinesiology and ~~students in~~ basic medical science modules.
Course Weight: 0.50

Effective **September 1, 2022**, the following course be revised.

ANATOMY AND CELL BIOLOGY 4452A/B – NEUROBIOLOGY OF MENTAL ILLNESS

An introduction to common mental health disorders focusing on anatomical, clinical, biological, genetic and epidemiological aspects of psychiatric disorders including schizophrenia, addiction, depression, phobias, panic/anxiety, post-traumatic stress disorder, OCD, paranoia, attention-deficit hyperactivity disorder, suicide and autism. In addition to lectures and tutorials, students will debate important ethical issues in psychiatry.

Prerequisite(s): a minimum mark of 70% in one of the following: ~~(both Anatomy and Cell Biology 2200A/B and~~ Anatomy and Cell Biology 3200A/B), Neuroscience 2000, or the former Anatomy and Cell Biology 3319.

Extra Information: 2 lecture hours, 2 tutorial hours.

Course Weight: 0.50

Effective **September 1, 2022**, the following course be revised.

ANATOMY AND CELL BIOLOGY 4451F/G - INTEGRATIVE NEUROSCIENCE

This course focuses on the link between cellular/molecular mechanisms in the brain and behaviour. Topics include fundamental brain functions such as learning and memory, circadian rhythms and sleep, sexual behaviour, motivation and reward, addiction, fear and anxiety, pain, stress, and the neurobiology of neurological and neuropsychiatric disorders.

Prerequisite(s): ~~One of Neuroscience 2000, Physiology 3120 or Physiology 3140A~~ **Biochemistry 2280A, Biology 2382A/B and registration in Year 4 of a basic medical science module.**

Extra Information: 2 lecture hours, 2 laboratory hours.

Course Weight: 0.50

Revisions to Established Programs/Modules

FACULTY OF ENGINEERING

INTEGRATED ENGINEERING

Effective **September 1, 2022**, the following program be revised:

INTEGRATED ENGINEERING PROGRAM

Fourth Year Program

ELI 4100A/B or the former ES 4480A/B, ELI 4200A/B or the former ES 4481A/B, IE 4499 or the former ES 4499, six 0.5 technical electives**.

**The following are recommended technical electives from each department. Other courses may be taken if prerequisite requirements are satisfied. Students may elect to substitute up to two 0.5 courses from the Faculty of Science as technical electives. These technical electives must be approved by the Integrated Engineering Curriculum Committee.

Chemical and Biochemical Engineering:

CBE 2290A/B, CBE 3310A/B, CBE 3324A/B, CBE 4421A/B, CBE 4409A/B.

Civil and Environmental Engineering:

CEE 3348A/B, CEE 3362A/B, CEE 4405A/B, CEE 4418A/B, CEE 4458A/B, CEE 4465A/B, CEE 4477A/B.

Electrical and Computer Engineering:

ECE 3349A/B, ECE 3375A/B, ECE 4436A/B, ECE 4468A/B, SE 3314A/B.

Mechanical and Materials Engineering:

MME 3381A/B, MME 4452A/B, MME 4473A/B, MME 4487A/B, MME 4492A/B.

Additional technical electives: IE 4990A/B, IE 4491A/B

Effective **September 1, 2022**, the following program be revised:

INTEGRATED ENGINEERING/HBA

Fifth Year Program

ELI 4100A/B or the former ES 4480A/B, IE 4499 or the former ES 4499, three 0.5 technical electives (see list below).

3.0 Business Administration courses:

- 0.5 course: International Perspective Requirement: Business Administration 4505A/B.
- 0.5 course: Corporations and Society Perspective Requirement: At least one 0.5 course from Business Administration - Corporations and Society designated electives offered during the academic year (Business Administration 4538A/B, Business Administration 4539A/B, Business Administration 4588A/B, Business Administration 4625A/B) or other business elective as determined and approved by the HBA Program Director to satisfy this requirement.
- 0.5 course: Managerial Accounting Requirement: Business Administration 4624A/B.
- 1.5 elective courses chosen from 4000 level Business courses.

Chemical and Biochemical Engineering:

CBE 2290A/B, CBE 3310A/B, CBE 3324A/B, CBE 4421A/B, CBE 4409A/B.

Civil and Environmental Engineering:

CEE 3348A/B, CEE 3362A/B, CEE 4405A/B, CEE 4418A/B, CEE 4458A/B, CEE 4465A/B, CEE 4477A/B.

Electrical and Computer Engineering:

ECE 3349A/B, ECE 3375A/B, ECE 4436A/B, ECE 4468A/B, SE 3314A/B.

Mechanical and Materials Engineering:

MME 3379A/B, MME 3381A/B, MME 4452A/B, MME 4473A/B, MME 4487A/B, MME 4492A/B.

Additional technical electives: IE 4990A/B, IE 4491A/B

FACULTY OF SCIENCE

EARTH SCIENCES

Effective **September 1, 2022**, the following module be revised:

MINOR IN PLANETARY SCIENCE AND SPACE EXPLORATION

Admission Requirements

Completion of 5.0 first-year courses.

Module

4.0 courses:

0.5 course: Earth Sciences 2232F/G or Astronomy 2201A/B, Astronomy 2232F/G or the former Earth Sciences 2001F/G.

0.5 course: Geography 2090A/B.

3.0 courses from: Earth Sciences 2200A/B, Earth Sciences 2206A/B, Earth Sciences 2240F/G, Earth Sciences 2250Y, Earth Sciences 3001A/B, Earth Sciences 3312A/B, **Earth Sciences 3321A/B**; Earth Sciences 4001Y, **Earth Sciences 4435A/B, Earth Sciences 4606Y**, Astronomy 2021A/B, **Astronomy 2801A/B**, Physics 2070A/B, Geography 2220A/B, Geography 2230A/B, ~~the former Earth Sciences 2231A/B, the former Earth Sciences 4002A/B.~~

Note: Some courses listed in this module have prerequisites not included in the module.

Students in the Faculty of Science cannot take ~~Astronomy 2021A/B and~~ Physics 2070A/B for credit.