



The following proposals, received on DAP between the dates listed below, have been approved.

DAP Submission Period: October 16-31, 2020 **DAP Approval Date:** November 16, 2020

[For more information on the DAP process, see the Secretariat's website.](#)

Approval Route: DAP

Faculty of Arts and Humanities

ART HISTORY

Effective September 1, 2020, the following change(s) be made: Course Pre or Corequisite Revision.

Art History 3620F/G RACE AND GENDER IN THE PRE-MODERN WORLD

Prerequisite(s): 1.0 from Art History 1640 or the former VAH 1040 or two of Art History 1641A/B-1648A/B or the former VAH 1041A/B – 1045A/B, or the former VAH 1040 or two of the former VAH 1041A/B–1045A/B, or 1.0 essay course from Arts and Humanities, FIMS, or Social Science, or permission of the Department.

Effective September 1, 2020, the following change(s) be made: Course Pre or Corequisite Revision.

Art History 3642F/G COLD WAR ART AND POLITICS

Prerequisite(s): 1.0 from Art History 1640 or the former VAH 1040 or two of Art History 1641A/B-1648A/B or the former VAH 1041A/B – 1045A/B, or the former VAH 1040 or two of the former VAH 1041A/B–1045A/B, or 1.0 essay course from Arts and Humanities, FIMS, or Social Science, or permission of the Department.

Effective September 1, 2020, the following change(s) be made: Course Pre or Corequisite Revision.

Art History 3644F/G DADA AND NEO-DADA

Prerequisite(s): 1.0 from Art History 1640 or the former VAH 1040 or two of Art History 1641A/B-1648A/B or the former VAH 1041A/B – 1045A/B, or the former VAH 1040 or two of the former VAH 1041A/B–1045A/B, or 1.0 essay course from Arts and Humanities, FIMS, or Social Science, or permission of the Department.

Effective September 1, 2020, the following change(s) be made: Course Pre or Corequisite Revision.

Art History 3650F/G TOPICS IN PHOTOGRAPHY

Prerequisite(s): 1.0 from Art History 1640 or the former VAH 1040 or two of Art History 1641A/B-1648A/B or the former VAH 1041A/B – 1045A/B, or the former VAH 1040 or two of the former VAH 1041A/B–1045A/B, or 1.0 essay course from Arts and Humanities, FIMS, or Social Science, or permission of the Department.

Effective September 1, 2020, the following change(s) be made: Course Pre or Corequisite Revision.

Art History 3660F/G HOLLYWOOD AND ART

Prerequisite(s): 1.0 from Art History 1640 or the former VAH 1040 or two of Art History 1641A/B-1648A/B or the former VAH 1041A/B – 1045A/B, or the former VAH 1040 or two of the former VAH 1041A/B–1045A/B, or 1.0 essay course from Arts and Humanities, FIMS, or Social Science, or permission of the Department.

Effective September 1, 2020, the following change(s) be made: Course Pre or Corequisite Revision.

Art History 3670F/G TOPICS IN ARCHITECTURE AND URBANISM

Antirequisite(s): the former VAH 3388F/G.

Prerequisite(s): 1.0 from Art History 1640 or the former VAH 1040 or two of Art History 1641A/B-1648A/B or the former VAH 1041A/B – 1045A/B, or the former VAH 1040 or two of the former VAH 1041A/B–1045A/B, or 1.0 essay course from Arts and Humanities, FIMS, or Social Science, or permission of the Department.

Effective September 1, 2020, the following change(s) be made: Course Pre or Corequisite Revision.

Art History 3674F/G SUSTAINABILITY AND ART

Prerequisite(s): 1.0 from Art History 1640 or the former VAH 1040 or two of Art History 1641A/B-1648A/B or the former VAH 1041A/B – 1045A/B, or the former VAH 1040 or two of the former VAH 1041A/B–1045A/B, or 1.0 essay course from Arts and Humanities, FIMS, or Social Science, or permission of the Department.

Effective September 1, 2020, the following change(s) be made: Course Pre or Corequisite Revision.

Art History 3676F/G LESSONS BY DESIGN

Antirequisite(s): the former VAH 3387F/G.
Prerequisite(s): 1.0 from Art History 1640 or the former VAH 1040 or two of Art History 1641A/B-1648A/B or the former VAH 1041A/B – 1045A/B, or the former VAH 1040 or two of the former VAH 1041A/B–1045A/B, or 1.0 essay course from Arts and Humanities, FIMS, or Social Science, or permission of the Department.

MUSEUM AND CURATORIAL STUDIES

Effective September 1, 2020, the following change(s) be made: Course Pre or Corequisite Revision.

Museum and Curatorial Studies 2620F/G INTRODUCTION TO GALLERY, MUSEUM & CURATORIAL STUDIES

Antirequisite(s): the former VAH 2292F/G.
Prerequisite(s): 1.0 from Art History 1640 or the former VAH 1040 or two of Art History 1641A/B-1648A/B or the former VAH 1041A/B – 1045A/B, or the former VAH 1040 or two of the former VAH 1041A/B–1045A/B, or 1.0 essay course from Arts and Humanities, FIMS, or Social Science, or permission of the Department.

Faculty of Engineering

CHEMICAL AND BIOCHEMICAL ENGINEERING

Effective September 1, 2021, the following change(s) be made: Course Introduction.

Chemical and Biochemical Engineering 4411A/B - ENGINEERING COFFEE

This course combines and demonstrates chemical engineering principles using coffee as a teaching tool. Experiential learning will include hands-on applications of concepts through multiple lab activities and an examination of a local café through a case-based learning activity.
Prerequisite(s): CBE 2220A/B, CBE 2221A/B, CBE 3324A/B, CBE 3322A/B, CBE 3323A/B.
Extra information: 3 lab hours, 1 tutorial hour.
0.5 course.

Effective September 1, 2021, the following change(s) be made: Course Pre or Corequisite Revision.

Chemical and Biochemical Engineering 2220A/B – CHEMICAL ENGINEERING THERMODYNAMIC

Prerequisite(s): Applied Mathematics 1411A/B, Applied Mathematics 1414A/B Applied Mathematics 1413, Chemistry 1302A/B or the former Chemistry 1024A/B, Physics 1401A/B and Physics 1402A/B.

Effective September 1, 2021, the following change(s) be made: Course Pre or Corequisite Revision.

Chemical and Biochemical Engineering 2221A/B – FLUID FLOW

Prerequisite(s): Applied Mathematics 1413, Applied Mathematics 1414A/B.

Effective September 1, 2021, the following change(s) be made: Course Pre or Corequisite Revision.

Chemical and Biochemical Engineering 2224A/B – CHEMICAL ENGINEERING THERMODYNAMICS

Prerequisite(s): CBE 2214A/B or MME 2204A/B, Applied Mathematics 1414A/B, Applied Mathematics 1413.

Effective September 1, 2021, the following change(s) be made: Course Pre or Corequisite Revision.

Chemical and Biochemical Engineering 3315A/B – REACTION ENGINEERING

Prerequisite(s): Applied Mathematics 1414A/B, Applied Mathematics 1413, CBE 2224A/B, and Chemistry 1302A/B or the former Chemistry 1024A/B.

Effective September 1, 2021, the following change(s) be made: Course Pre or Corequisite Revision.

Chemical and Biochemical Engineering 3395Y - CHEMICAL ENGINEERING LABORATORY

Antirequisite(s): GPE 3395Y or CBE 3396Y.
Corequisite(s): CBE 3322A/B, CBE 3323A/B, CBE 3324A/B, CBE 3325A/B.

Effective September 1, 2021, the following change(s) be made: Course Pre or Corequisite Revision.

Chemical and Biochemical Engineering 3396Y - BIOCHEMICAL ENGINEERING LABORATORY

Antirequisite(s): CBE 3395Y.
Corequisite(s): CBE 3322A/B, CBE 3323A/B, CBE 3324A/B, CBE 3325A/B, CBE 3330A/B.

Effective September 1, 2021, the following change(s) be made: Course Pre or Corequisite Revision.

Chemical and Biochemical Engineering 4404A/B - DOWNSTREAM PROCESSING IN PHARMACEUTICAL MANUFACTURING

Prerequisite(s): CBE 3322A/B, CBE 3323A/B, CBE 3324A/B, CBE 3325A/B.

Effective September 1, 2021, the following change(s) be made: Course Pre or Corequisite Revision.

Chemical and Biochemical Engineering 4407A/B - SOLID WASTE TREATMENT

Prerequisite(s): CBE 3323A/B, CBE 2220A/B, CBE 3315A/B or GPE 3315A/B, CBE 3322A/B, CBE 3325A/B.

Effective September 1, 2021, the following change(s) be made: Course Pre or Corequisite Revision.

Chemical and Biochemical Engineering 4497 - CHEMICAL PROCESS AND PLANT DESIGN

Antirequisite(s): GPE 4497, CEE 4441, ECE 4416, MME 4499, SE 4450, ES 4499, MSE 4499, ECE 4415.
Prerequisite(s): CBE 2220A/B, CBE 2224A/B, CBE 3315A/B, CBE 3322A/B, CBE 3323A/B, CBE 3324A/B, CBE 3325A/B, and CBE 3318A/B and CBE 3319A/B.

CIVIL AND ENVIRONMENTAL ENGINEERING

Effective September 1, 2021, the following change(s) be made: Course Pre or Corequisite Revision.

Civil and Environmental Engineering 2202A/B – MECHANICS OF MATERIALS

Antirequisite: MME 2202A/B.
Prerequisite(s): Engineering Science 1022A/B/Y, Applied Mathematics 1412A/B, Applied Mathematics 1413.

Effective September 1, 2021, the following change(s) be made: Course Pre or Corequisite Revision.

Civil and Environmental Engineering 2219A/B – COMPUTATIONAL TOOLS FOR CIVIL ENGINEERS

Antirequisite(s): CBE 2291A/B, the former CEE 2218A/B.

Prerequisite(s): Engineering Science 1036A/B, Applied Mathematics 1411A/B, Applied Mathematics 1412A/B, Applied Mathematics 1413, Applied Mathematics 2270A/B.

Corequisite: Applied Mathematics 2277A/B.

Effective September 1, 2021, the following change(s) be made: Course Pre or Corequisite Revision.

Civil and Environmental Engineering 2220A/B – INTRODUCTION TO STRUCTURAL ENGINEERING

Prerequisite(s): Engineering Science 1022A/B/Y, Applied Mathematics 1412A/B, Applied Mathematics 1413.

Corequisite: Applied Mathematics 2270A/B; CEE 2202A/B or registration in Integrated Engineering.

ELECTRICAL AND COMPUTER ENGINEERING

Effective September 1, 2021, the following change(s) be made: Course Pre or Corequisite Revision.

Electrical and Computer Engineering 2205A/B – ELECTRIC CIRCUITS

Prerequisite(s): Physics 1302A/B or Physics 1402A/B, Applied Mathematics 1411A/B, Applied Mathematics 1412A/B, Applied Mathematics 1413, Engineering Science 1036A/B or Computer Science 1026A/B.

Corequisite(s): Applied Mathematics 2270A/B.

Effective September 1, 2021, the following change(s) be made: Course Pre or Corequisite Revision.

Electrical and Computer Engineering 4460A/B – REAL-TIME AND EMBEDDED SYSTEMS

Prerequisite(s): (Computer Science 1027A/B or Computer Science 1037A/B or SE 2205A/B) and ECE 3375A/B.

Effective September 1, 2021, the following change(s) be made: Course Pre or Corequisite Revision, Course Title or Description Revision.

Electrical and Computer Engineering 4455A/B – BIOMEDICAL SYSTEMS ANALYSIS

An introduction to biomedical engineering organized around applications of linear and control systems analysis to the dynamics of physiological systems and their responses to diagnostic and therapeutic interventions. Emphasis will be placed on respiratory, and cardiovascular, and neuromuscular physiology and interactions of those systems with medical devices.

Antirequisite(s): MEDBIO Medical Biophysics 4455A/B.

Prerequisite(s): (CBE 2221A/B, ECE 2208A/B or ECE 2233A/B or ECE 3374A/B or MSE 2233A/B) and (CBE 3310A/B or ECE 3330A/B or MME 3350A/B).

MECHANICAL AND MATERIALS ENGINEERING

Effective September 1, 2021, the following change(s) be made: Course Pre or Corequisite Revision.

Mechanical and Materials Engineering 2202A/B MECHANICS OF MATERIALS

Antirequisite(s): CEE 2202A/B, MSE 2212A/B.

Prerequisite(s): Engineering Science 1022A/B/Y, Applied Mathematics 1414A/B, Applied Mathematics 1413.

Effective September 1, 2021, the following change(s) be made: Course Pre or Corequisite Revision.

Mechanical and Materials Engineering 2204A/B THERMODYNAMICS

Antirequisite(s): CBE 2214A/B, MSE 2214A/B.

Prerequisite(s): Applied Mathematics 1414A/B, Applied Mathematics 1413.

Effective September 1, 2021, the following change(s) be made: Course Pre or Corequisite Revision.

Mechanical and Materials Engineering 2221A/B COMPUTATIONAL METHODS FOR MECHANICAL ENGINEERS

Antirequisite(s): CEE 2219A/B, CBE 2291A/B.

Prerequisite(s): ES 1036A/B, Applied Mathematics 1411A/B, Applied Mathematics 1414A/B, Applied Mathematics 1413.

Corequisite(s): Applied Mathematics 2270A/B or Applied Mathematics 2276A/B.

Effective September 1, 2021, the following change(s) be made: Course Pre or Corequisite Revision.

Mechanical and Materials Engineering 3350A/B SYSTEM MODELING & CONTROL

Antirequisite(s): CBE 3310A/B.

Prerequisite(s): Applied Mathematics 2270A/B, ECE 2274A/B, MME 2273A/B, MME 3381A/B.

Effective September 1, 2021, the following change(s) be made: Course Pre or Corequisite Revision.

Mechanical and Materials Engineering 4487A/B MECHATRONIC SYSTEM DESIGN

Prerequisite(s): MME 2213A/B or MME 2234A/B, and (ECE 2274A/B and ECE 3374A/B), or (ECE 2233A/B and ECE 2277A/B), or (ECE 2238A/B and ECE 2277A/B).

MECHATRONIC SYSTEMS ENGINEERING

Effective September 1, 2021, the following change(s) be made: Course Pre or Corequisite Revision.

Mechatronic Systems Engineering 3301A/B – MATERIALS SELECTION AND MANUFACTURING PROCESSES

Antirequisite(s): MME 3379A/B.

Prerequisite(s): MSE 2202A/B or ES 2297A/B.

Faculty of Science

APPLIED MATHEMATICS

Effective September 1, 2020, the following change(s) be made: Course Withdrawal.

Applied Mathematics 1413 – APPLIED MATHEMATICS FOR ENGINEERS I

BIOLOGY

Effective September 1, 2020, the following change(s) be made: Course Antirequisite Revision.

Biology 3415F/G AQUATIC ECOLOGY

Antirequisite(s): Biology 3222F/G.

Prerequisite(s): Biology 2483A/B.

Effective September 1, 2020, the following change(s) be made: Course Pre or Corequisite Revision.

Biology 2244A/B STATISTICS FOR SCIENCE

Antirequisite(s): Economics 2122A/B, Economics 2222A/B, Geography 2210A/B, Health Sciences 3801A/B, MOS 2242A/B, Psychology 2810, Psychology 2820E, Psychology 2830A/B, Psychology 2850A/B, Psychology 2851A/B, Social Work 2207A/B, Sociology 2205A/B, Statistical

Sciences 2035, Statistical Sciences 2141A/B, Statistical Sciences 2143A/B, Statistical Sciences 2244A/B, Statistical Sciences 2858A/B, Statistical Sciences 2037A/B if taken prior to Fall 2010, former Psychology 2885 (Brescia), former Statistical Sciences 2122A/B, former Social Work 2205.

Prerequisite(s): 1.0 Mathematics course or equivalent numbered 1000 or above. Statistical Sciences 1024A/B or Integrated Science 1001X can be used to meet 0.5 of the 1.0 mathematics course requirement

Extra Information: 2 lecture hours, 3 laboratory hours. It may NOT be used in any degree as a 2000-level half course in Biology with a laboratory component. Biology 2244A/B and Statistics Statistical Sciences 2244A/B are the same, cross-listed courses.

STATISTICAL SCIENCES

Effective September 1, 2020, the following change(s) be made: Course Pre or Corequisite Revision.

Statistical Sciences 2244A/B STATISTICS FOR SCIENCE

Antirequisite(s): All other courses in Introductory Statistics (except Statistical Sciences 1023A/B, Statistical Sciences 1024A/B): Biology 2244A/B, Economics 2122A/B, Economics 2222A/B, Geography 2210A/B, Health Sciences 3801A/B, MOS 2242A/B, Psychology 2810, Psychology 2820E, Psychology 2830A/B, Psychology 2850A/B, Psychology 2851A/B, Social Work 2207A/B, Sociology 2205A/B, Statistical Sciences 2035, Statistical Sciences 2141A/B, Statistical Sciences 2143A/B, Statistical Sciences 2858A/B, Statistical Sciences 2037A/B if taken prior to Fall 2010, former Psychology 2885 (Brescia), former Statistical Sciences 2122A/B, former Social Work 2205.

Prerequisite(s): A full mathematics course, or equivalent, numbered 1000 or above. Statistical Sciences 1024A/B or Integrated Science 1001X can be used to meet 0.5 of the 1.0 mathematics course requirement.

Faculty of Science/Schulich School of Medicine & Dentistry; including BMSc and Neuroscience

MEDICAL HEALTH INFORMATICS

Effective September 1, 2020, the following change(s) be made: Course Introduction.

Medical Health Informatics 4850G – GENOMIC DATA ANALYSIS

Basics of data analysis and visualization using the R statistical programming language with a main focus on next generation sequencing (NGS) data. Topics include: fundamentals of NGS technologies; data formats and structures of sequencing data; effective analysis of different types of sequencing data (RNAseq, ATAC-seq and ChIP-seq) using R.

Prerequisite(s): Biology 2581A/B; one of Biology 2244A/B, Statistical Sciences 2244A/B, Statistical Sciences 2858A/B; and registration in Year 4 of a BMSc, BHSc or BSc degree

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