

## Academic Programs Committee of Council

### University Course Challenge

Scheduled posting: **September 2024**

Date of circulation: **September 16, 2024**

Date approval is effective if no challenge received: **September 30, 2024**

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Curricular and program changes approved by University Course Challenge include additions and deletions of courses, lower levels of study and program options; straightforward program changes; and curricular changes which affect other colleges.

**Included are submissions for information and approval from the following colleges and schools:**

**College of Arts and Science**

**College of Education**

**College of Graduate and Postdoctoral Studies**

The next scheduled posting will be **October 18, 2024**, with a submission deadline of **October 15, 2024**. Urgent items can be posted on request.

Please direct challenges to both of the following: [seanine.warrington@usask.ca](mailto:seanine.warrington@usask.ca) in the Registrar's Office and [danielle.rudulier@usask.ca](mailto:danielle.rudulier@usask.ca) in the Governance Office.

## University Course Challenge – September 2024

The curricular revisions listed below were approved through the Arts & Science College Course and Program Challenge, and by the relevant college-level Academic Programs Committee, and are now submitted to the University Course Challenge for approval.

Contact: Alexis Dahl ([alexis.dahl@usask.ca](mailto:alexis.dahl@usask.ca))

### **Biochemistry, Microbiology and Immunology**

#### **Minor program revisions**

#### **Bachelor of Science (Biomedical Science) Honours and Four-year in Biochemistry, Microbiology and Immunology**

In the M5 Major Requirement, add CMPT 140 as an alternate to BINF 151 and BINF 351, and add BMIS 317.3 and BMIS 325.3 to the list that requires student to choose 15 credit units of BMIS courses.

#### **Bachelor of Science (Biomedical Science) Honours [B.Sc. (BMSC) Honours] - Biochemistry, Microbiology and Immunology**

M5 Major Requirement (42 credit units)

- **BMIS 340.3** Introductory Molecular Biology
- **BMIS 400.0** Seminar in Biochemistry Microbiology and Immunology
- **BMSC 320.3** Nucleic Acids From Central Dogma to Human Disease

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

- **BMIS 310.3** Proteins and Enzymes
- **BMIS 390.3** Experimental Microbiology and Immunology

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

- **BINF 151.3** Computing in the Biological Sciences
- **BINF 351.3** Introduction to Bioinformatics
- **CMPT 140.3** Introduction to Creative Computing

Choose **15 credit units** from the following including at least 9 credit units at the 400-level:

- **BMIS 308.3** An Introduction to Microbial Pathogens
- **BMIS 317.3** Introductory Virology
- **BMIS 319.3** Vaccinology Principles and Practice.
- **BMIS 321.3** Introduction to Immunology
- **BMIS 325.3** Fundamentals of Bacteriology
- **BMIS 380.3** Team Based Experimental Microbiology
- **BMIS 398.3** Special Topics
- **BMIS 405.3** Structure and Function of Biomolecules
- **BMIS 412.3** Protein Structure Function and Engineering
- **BMIS 417.3** Molecular Virology
- **BMIS 423.3** Immunopathogenesis
- **BMIS 425.3** Molecular Basis of Microbial Pathogenesis
- **BMIS 430.3** Biochemistry of Cancer
- **BMIS 435.3** Human Metabolism and Disease

- [BMIS 436.3](#) Advanced Molecular Biology
- [BMIS 487.3](#) Microbial Genetic Systems
- [BMIS 489.6](#) Research Project in Biochemistry Microbiology and Immunology
- [BMIS 498.3](#) Special Topics

Choose **15 credit units** from the following:

- [BIOL 226.3](#) Genes to Genomics
- [BIOL 316.3](#) Genetic Analysis of Eukaryotes
- [BIOL 331.3](#) Plant Physiology
- ...
- FABS 450.3
- [NEUR 301.3](#) Fundamental Neuroscience Intercellular Communication
- [STAT 345.3](#) Design and Analysis of Experiments
- Any BMSC, BMIS, BIOC or MCIM course at the 300 or 400 level

**Bachelor of Science (Biomedical Science) Four-year [B.Sc. (BMSC) Four-year] - Biochemistry, Microbiology and Immunology**

**M5 Major Requirement (36 credit units)**

- [BMIS 340.3](#) Introductory Molecular Biology
- [BMIS 400.0](#) Seminar in Biochemistry Microbiology and Immunology
- [BMSC 320.3](#) Nucleic Acids From Central Dogma to Human Disease

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

- [BMIS 310.3](#) Proteins and Enzymes
- [BMIS 390.3](#) Experimental Microbiology and Immunology

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

- [BINF 151.3](#) Computing in the Biological Sciences
- [BINF 351.3](#) Introduction to Bioinformatics
- [CMPT 140.3](#) Introduction to Creative Computing

Choose **15 credit units** from the following including at least 9 credit units at the 400-level:

- [BMIS 308.3](#) An Introduction to Microbial Pathogens
- [BMIS 317.3](#) Introductory Virology
- [BMIS 319.3](#) Vaccinology Principles and Practice.
- [BMIS 321.3](#) Introduction to Immunology
- [BMIS 325.3](#) Fundamentals of Bacteriology
- [BMIS 380.3](#) Team Based Experimental Microbiology
- [BMIS 398.3](#) Special Topics
- [BMIS 405.3](#) Structure and Function of Biomolecules
- [BMIS 412.3](#) Protein Structure Function and Engineering
- [BMIS 417.3](#) Molecular Virology
- [BMIS 423.3](#) Immunopathogenesis
- [BMIS 425.3](#) Molecular Basis of Microbial Pathogenesis
- [BMIS 430.3](#) Biochemistry of Cancer

- [BMIS 435.3](#) Human Metabolism and Disease
- [BMIS 436.3](#) Advanced Molecular Biology
- [BMIS 487.3](#) Microbial Genetic Systems
- [BMIS 489.6](#) Research Project in Biochemistry Microbiology and Immunology
- [BMIS 498.3](#) Special Topics

Choose **9 credit units** from the following:

- [BIOL 226.3](#) Genes to Genomics
- [BIOL 316.3](#) Genetic Analysis of Eukaryotes
- [BIOL 331.3](#) Plant Physiology
- ...
- FABS 450.3
- [NEUR 301.3](#) Fundamental Neuroscience Intercellular Communication
- [STAT 345.3](#) Design and Analysis of Experiments
- Any BMSC, BMIS, BIOC or MCIM course at the 300 or 400 level

Rationale: BMIS 317 and 325 are two new courses that have been added to replace BMIS 308. The department of Computer Science does not always offer BINF 151 and they consider CMPT 140 to cover the same content, but using different examples. This course would still offer an introduction into the basic of bioinformatics, but from a wider computing perspective. It also has the same requirements, namely that students do not need any previous computer science classes.

### **Cellular, Physiological and Pharmacological Sciences**

#### **Minor course revisions**

#### **CPPS 331.3 Methods in Cell and Developmental Biology**

Prerequisite change:

Current prerequisite: Permission of the department required. Students with credit for ACB 331.3 cannot take CPPS 331.3 for credit.

Proposed prerequisite: Students with credit for ACB 331.3 cannot take CPPS 331.3 for credit.

Rationale: Permission of the department was required to ensure that students in the old Anatomy and Cell Biology major, that required the course, would receive a seat. These is no longer necessary as almost all of these students have already taken the class and the remaining students can be managed by the department.

### **Classical, Medieval and Renaissance Studies**

#### **Minor program revisions**

#### **Bachelor of Arts Honours, Four-year, Double Honours and Minor in Classical, Medieval and Renaissance Studies**

In the A4 Major Requirement remove CLAS 110 and CLAS 111 as options; replace HIST 331 with HIST 439; and add HIST 240, HIST 326, HIST 411, HIST 439, HIST 470 and PHIL 304 as shown below.

#### **Bachelor of Arts Honours (B.A. Honours) - Classical, Medieval & Renaissance Studies**

**A4 Major Requirement (66 credit units)**

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

**Note:** CMRS 433 may only be counted if the object of study is a historical document.

**Recommendations:** Honours students working toward specific careers (e.g. Law, Museum & Archives, Teaching and Academics, Public History and Digital Humanities) are strongly encouraged to consult with the CMRS Director to ensure that their selection of courses will support their goals.

\*A shell course that may be taken more than once must have its content confirmed by Program Director

- [ANTH 116.3](#) Introduction to Near Eastern and Classical Archaeology
- [ANTH 241.3](#) Archaeology and Cultural Development Ancient Israel and Syria Late Bronze Age to Hellenistic Period
- [ANTH 252.3](#) Near Eastern Archaeological Field Work
- [ANTH 257.3](#) Archaeology of Ancient Egypt
- [ANTH 258.3](#) Archaeology of Ancient Mesopotamia
- [ANTH 356.3](#) Development of Complex Cultures in Eastern Mediterranean and Near Eastern Regions
  
- [ARTH 120.3](#) Art and Visual Culture I
- [ARTH 306.3](#) Medieval Art and Architecture
- [ARTH 308.3](#) Art of High Renaissance and Reformation Era 1500 to 1550
  
- ~~[CLAS 110.3](#) Greek Civilization-~~
- ~~[CLAS 111.3](#) Roman Civilization-~~
- [CLAS 207.3](#) Greek Tragedy and the Culture of Fifth Century Athens
- [CLAS 220.3](#) Daily Life in Ancient Greece and Rome
- [CLAS 225.3](#) Women in Antiquity
- [CLAS 240.3](#) Ancient Art and Architecture I Bronze Age to Classical Greece
- [CLAS 242.3](#) Ancient Art and Architecture II Graeco Roman World

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- [HIST 115.3](#) History Matters Ideas and Culture \* (only when a CMRS approved topic)
- [HIST 145.3](#) History Matters War Violence and Politics \* (only when a CMRS approved topic)
- [HIST 185.3](#) History Matters Conflict Law Politics and the State \* (only when a CMRS approved topic)
- [HIST 194.3](#) History Matters Topics in European History \* (only when a CMRS approved topic)
- [HIST 202.3](#) Formation of Europe 300 to 1000
- [HIST 203.3](#) Ancient Greece Politics Society and Culture
- [HIST 204.3](#) Animals in the Greek and Roman World
- [HIST 205.3](#) Medieval Europe 1000 to 1400
- [HIST 208.3](#) The Roman Republic Growth of a Mediterranean State 753 to 27 BCE
- [HIST 209.3](#) The Roman Empire Politics Society and Culture Augustus to Constantine
- [HIST 211.3](#) Martyrs Mystics and Madmen Making the Medieval Saint
- [HIST 214.3](#) History in Film \* (only when a CMRS approved topic)
- [HIST 217.3](#) The Later Roman Empire Crisis and Continuity from Constantine to Justinian
- [HIST 221.3](#) Sub Roman Anglo Saxon and Viking Britain 400 to 1066
- [HIST 222.3](#) Medieval England 1000 to 1500
- [HIST 223.3](#) Age of the Renaissance
- ~~[HIST 240.3](#) Early Modern Britain and its Empire~~
- [HIST 273.3](#) History of Ancient Medicine
- [HIST 301.3](#) Greek and Roman Historians
- [HIST 305.3](#) Greek and Roman Satire
- [HIST 307.3](#) Seminar in Ancient Medieval and Renaissance Biography
- [HIST 308.6](#) Rome Building and Living in the Ancient City
- [HIST 309.3](#) Crusades and Aftermath
- [HIST 320.3](#) Pagans Christians Barbarians Identity and Empire in the Roman World
- ~~[HIST 326.3](#) Healers Cunning Folk and Quacks in Pre Modern England 1300 to 1600~~

- ~~HIST 331.3~~
- [HIST 335.3](#) Spectacles of Death in the Roman World
- [HIST 402.3](#) Aspects of Late Antiquity
- [HIST 403.3](#) Topics in the History of Early Medieval England The Anglo Saxon Renaissance
- [HIST 411.3](#) Topics in Medieval History 1000 to 1500
- [HIST 414.3](#) Gender Sexuality and Masculinity in the Middle Ages and Renaissance
- [HIST 439.3](#) Magic and Occult in PreModern Europe
- [HIST 470.3](#) War and Religion in Early Modern Europe
- [HIST 473.3](#) The Life and Legend of Alexander the Great

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- [PHIL 208.3](#) Ancient Philosophy Presocratics to Plato
- [PHIL 209.3](#) Ancient Philosophy Aristotle to Plotinus
- [PHIL 210.3](#) Medieval Philosophy I From Rome to Baghdad and Paris
- [PHIL 211.3](#) Philosophy and Faith Medieval Philosophy II
- [PHIL 304.3](#) Aquinas Moral Political and Legal Philosophy
- [PHIL 412.3](#)

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**Bachelor of Arts Four-year (B.A. Four-year) - Classical, Medieval and Renaissance Studies**  
**A4 Major Requirement (51 credit units)**

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Choose **33 credit units** from any of the following:

CMRS 433 may only be counted if the object of study is a historical document.

**Recommendations:** Honours students working toward specific careers (e.g. Law, Museum & Archives, Teaching and Academics, Public History and Digital Humanities) are strongly encouraged to consult with the CMRS Director to ensure that their selection of courses will support their goals.

\*A shell course that may be taken more than once must have its content confirmed by Program Director

- [ANTH 116.3](#) Introduction to Near Eastern and Classical Archaeology
- [ANTH 241.3](#) Archaeology and Cultural Development Ancient Israel and Syria Late Bronze Age to Hellenistic Period
- [ANTH 252.3](#) Near Eastern Archaeological Field Work
- [ANTH 257.3](#) Archaeology of Ancient Egypt
- [ANTH 258.3](#) Archaeology of Ancient Mesopotamia
- [ANTH 356.3](#) Development of Complex Cultures in Eastern Mediterranean and Near Eastern Regions
- [ARTH 120.3](#) Art and Visual Culture I
- [ARTH 306.3](#) Medieval Art and Architecture
- [ARTH 308.3](#) Art of High Renaissance and Reformation Era 1500 to 1550
- ~~CLAS 110.3~~ ~~Greek Civilization~~
- ~~CLAS 111.3~~ ~~Roman Civilization~~
- [CLAS 207.3](#) Greek Tragedy and the Culture of Fifth Century Athens
- [CLAS 220.3](#) Daily Life in Ancient Greece and Rome

- [CLAS 225.3](#) Women in Antiquity
- [CLAS 240.3](#) Ancient Art and Architecture I Bronze Age to Classical Greece
- [CLAS 242.3](#) Ancient Art and Architecture II Graeco Roman World

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- [HIST 115.3](#) History Matters Ideas and Culture \* (only when a CMRS approved topic)
- [HIST 145.3](#) History Matters War Violence and Politics \* (only when a CMRS approved topic)
- [HIST 185.3](#) History Matters Conflict Law Politics and the State \* (only when a CMRS approved topic)
- [HIST 194.3](#) History Matters Topics in European History \* (only when a CMRS approved topic)
- [HIST 202.3](#) Formation of Europe 300 to 1000
- [HIST 203.3](#) Ancient Greece Politics Society and Culture
- [HIST 204.3](#) Animals in the Greek and Roman World
- [HIST 205.3](#) Medieval Europe 1000 to 1400
- [HIST 208.3](#) The Roman Republic Growth of a Mediterranean State 753 to 27 BCE
- [HIST 209.3](#) The Roman Empire Politics Society and Culture Augustus to Constantine
- [HIST 211.3](#) Martyrs Mystics and Madmen Making the Medieval Saint
- [HIST 214.3](#) History in Film \* (only when a CMRS approved topic)
- [HIST 217.3](#) The Later Roman Empire Crisis and Continuity from Constantine to Justinian
- [HIST 221.3](#) Sub Roman Anglo Saxon and Viking Britain 400 to 1066
- [HIST 222.3](#) Medieval England 1000 to 1500
- [HIST 223.3](#) Age of the Renaissance
- [HIST 240.3](#) Early Modern Britain and its Empire
- [HIST 273.3](#) History of Ancient Medicine
- [HIST 301.3](#) Greek and Roman Historians
- [HIST 305.3](#) Greek and Roman Satire
- [HIST 307.3](#) Seminar in Ancient Medieval and Renaissance Biography
- [HIST 308.6](#) Rome Building and Living in the Ancient City
- [HIST 309.3](#) Crusades and Aftermath
- [HIST 320.3](#) Pagans Christians Barbarians Identity and Empire in the Roman World
- [HIST 326.3](#) Healers Cunning Folk and Quacks in Pre Modern England 1300 to 1600
- ~~[HIST 331.3](#)~~
- [HIST 335.3](#) Spectacles of Death in the Roman World
- [HIST 402.3](#) Aspects of Late Antiquity
- [HIST 403.3](#) Topics in the History of Early Medieval England The Anglo Saxon Renaissance
- [HIST 411.3](#) Topics in Medieval History 1000 to 1500
- [HIST 414.3](#) Gender Sexuality and Masculinity in the Middle Ages and Renaissance
- [HIST 439.3](#) Magic and Occult in PreModern Europe
- [HIST 470.3](#) War and Religion in Early Modern Europe
- [HIST 473.3](#) The Life and Legend of Alexander the Great

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- [PHIL 208.3](#) Ancient Philosophy Presocratics to Plato
- [PHIL 209.3](#) Ancient Philosophy Aristotle to Plotinus
- [PHIL 210.3](#) Medieval Philosophy I From Rome to Baghdad and Paris
- [PHIL 211.3](#) Philosophy and Faith Medieval Philosophy II
- [PHIL 304.3](#) Aquinas Moral Political and Legal Philosophy
- [PHIL 412.3](#)

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**Bachelor of Arts Double Honours - Classical, Medieval & Renaissance Studies - Major 1**  
**A4 Major Requirement (39 credit units)**

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Choose **15 credit units** from any of the following:

CMRS 433 may only be counted if the object of study is a historical document.

**Recommendations:** Double Honours students working toward specific careers (e.g. Law, Museum & Archives, Teaching and Academics, Public History and Digital Humanities) are strongly encouraged to consult with the CMRS Director to ensure that their selection of courses will support their goals.

\*A shell course that may be taken more than once must have its content confirmed by Program Director

- [ANTH 116.3](#) Introduction to Near Eastern and Classical Archaeology
- [ANTH 241.3](#) Archaeology and Cultural Development Ancient Israel and Syria Late Bronze Age to Hellenistic Period
- [ANTH 252.3](#) Near Eastern Archaeological Field Work
- [ANTH 257.3](#) Archaeology of Ancient Egypt
- [ANTH 258.3](#) Archaeology of Ancient Mesopotamia
- [ANTH 356.3](#) Development of Complex Cultures in Eastern Mediterranean and Near Eastern Regions
  
- [ARTH 120.3](#) Art and Visual Culture I
- [ARTH 306.3](#) Medieval Art and Architecture
- [ARTH 308.3](#) Art of High Renaissance and Reformation Era 1500 to 1550
  
- ~~[CLAS 110.3](#) Greek Civilization~~
- ~~[CLAS 111.3](#) Roman Civilization~~
- [CLAS 207.3](#) Greek Tragedy and the Culture of Fifth Century Athens
- [CLAS 220.3](#) Daily Life in Ancient Greece and Rome
- [CLAS 225.3](#) Women in Antiquity
- [CLAS 240.3](#) Ancient Art and Architecture I Bronze Age to Classical Greece
- [CLAS 242.3](#) Ancient Art and Architecture II Graeco Roman World

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- [HIST 115.3](#) History Matters Ideas and Culture \* (only when a CMRS approved topic)
- [HIST 145.3](#) History Matters War Violence and Politics \* (only when a CMRS approved topic)
- [HIST 185.3](#) History Matters Conflict Law Politics and the State \* (only when a CMRS approved topic)
- [HIST 194.3](#) History Matters Topics in European History \* (only when a CMRS approved topic)
- [HIST 202.3](#) Formation of Europe 300 to 1000
- [HIST 203.3](#) Ancient Greece Politics Society and Culture
- [HIST 204.3](#) Animals in the Greek and Roman World
- [HIST 205.3](#) Medieval Europe 1000 to 1400
- [HIST 208.3](#) The Roman Republic Growth of a Mediterranean State 753 to 27 BCE
- [HIST 209.3](#) The Roman Empire Politics Society and Culture Augustus to Constantine
- [HIST 211.3](#) Martyrs Mystics and Madmen Making the Medieval Saint
- [HIST 214.3](#) History in Film \* (only when a CMRS approved topic)
- [HIST 217.3](#) The Later Roman Empire Crisis and Continuity from Constantine to Justinian
- [HIST 221.3](#) Sub Roman Anglo Saxon and Viking Britain 400 to 1066



- [HIST 222.3](#) Medieval England 1000 to 1500
- [HIST 223.3](#) Age of the Renaissance
- [HIST 240.3](#) Early Modern Britain and its Empire
- [HIST 273.3](#) History of Ancient Medicine
- [HIST 301.3](#) Greek and Roman Historians
- [HIST 305.3](#) Greek and Roman Satire
- [HIST 307.3](#) Seminar in Ancient Medieval and Renaissance Biography
- [HIST 308.6](#) Rome Building and Living in the Ancient City
- [HIST 309.3](#) Crusades and Aftermath
- [HIST 320.3](#) Pagans Christians Barbarians Identity and Empire in the Roman World
- [HIST 326.3](#) Healers Cunning Folk and Quacks in Pre Modern England 1300 to 1600
- ~~[HIST 331.3](#)~~
- [HIST 335.3](#) Spectacles of Death in the Roman World
- [HIST 402.3](#) Aspects of Late Antiquity
- [HIST 403.3](#) Topics in the History of Early Medieval England The Anglo Saxon Renaissance
- [HIST 411.3](#) Topics in Medieval History 1000 to 1500
- [HIST 414.3](#) Gender Sexuality and Masculinity in the Middle Ages and Renaissance
- [HIST 439.3](#) Magic and Occult in PreModern Europe
- [HIST 470.3](#) War and Religion in Early Modern Europe
- [HIST 473.3](#) The Life and Legend of Alexander the Great

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- [PHIL 208.3](#) Ancient Philosophy Presocratics to Plato
- [PHIL 209.3](#) Ancient Philosophy Aristotle to Plotinus
- [PHIL 210.3](#) Medieval Philosophy I From Rome to Baghdad and Paris
- [PHIL 211.3](#) Philosophy and Faith Medieval Philosophy II
- [PHIL 304.3](#) Aquinas Moral Political and Legal Philosophy
- [PHIL 412.3](#)

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### **Bachelor of Arts Double Honours - Classical, Medieval & Renaissance Studies - Major 2** Requirements (39 credit units)

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Choose **15 credit** units from the following:

CMRS 433 may only be counted if the object of study is a historical document.

\*A shell course that may be taken more than once must have its content confirmed by Program Director

- [ANTH 116.3](#) Introduction to Near Eastern and Classical Archaeology
- [ANTH 241.3](#) Archaeology and Cultural Development Ancient Israel and Syria Late Bronze Age to Hellenistic Period
- [ANTH 252.3](#) Near Eastern Archaeological Field Work
- [ANTH 257.3](#) Archaeology of Ancient Egypt
- [ANTH 258.3](#) Archaeology of Ancient Mesopotamia
- [ANTH 356.3](#) Development of Complex Cultures in Eastern Mediterranean and Near Eastern Regions
- [ARTH 120.3](#) Art and Visual Culture I
- [ARTH 306.3](#) Medieval Art and Architecture

- [ARTH 308.3](#) Art of High Renaissance and Reformation Era 1500 to 1550

• ~~[CLAS 110.3](#) Greek Civilization~~

• ~~[CLAS 111.3](#) Roman Civilization~~

- [CLAS 207.3](#) Greek Tragedy and the Culture of Fifth Century Athens
- [CLAS 220.3](#) Daily Life in Ancient Greece and Rome
- [CLAS 225.3](#) Women in Antiquity
- [CLAS 240.3](#) Ancient Art and Architecture I Bronze Age to Classical Greece
- [CLAS 242.3](#) Ancient Art and Architecture II Graeco Roman World

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- [HIST 115.3](#) History Matters Ideas and Culture \* (only when a CMRS approved topic)
- [HIST 145.3](#) History Matters War Violence and Politics \* (only when a CMRS approved topic)
- [HIST 185.3](#) History Matters Conflict Law Politics and the State \* (only when a CMRS approved topic)
- [HIST 194.3](#) History Matters Topics in European History \* (only when a CMRS approved topic)
- [HIST 202.3](#) Formation of Europe 300 to 1000
- [HIST 203.3](#) Ancient Greece Politics Society and Culture
- [HIST 204.3](#) Animals in the Greek and Roman World
- [HIST 205.3](#) Medieval Europe 1000 to 1400
- [HIST 208.3](#) The Roman Republic Growth of a Mediterranean State 753 to 27 BCE
- [HIST 209.3](#) The Roman Empire Politics Society and Culture Augustus to Constantine
- [HIST 211.3](#) Martyrs Mystics and Madmen Making the Medieval Saint
- [HIST 214.3](#) History in Film \* (only when a CMRS approved topic)
- [HIST 217.3](#) The Later Roman Empire Crisis and Continuity from Constantine to Justinian
- [HIST 221.3](#) Sub Roman Anglo Saxon and Viking Britain 400 to 1066
- [HIST 222.3](#) Medieval England 1000 to 1500
- [HIST 223.3](#) Age of the Renaissance
- [HIST 240.3](#) Early Modern Britain and its Empire
- [HIST 273.3](#) History of Ancient Medicine
- [HIST 301.3](#) Greek and Roman Historians
- [HIST 305.3](#) Greek and Roman Satire
- [HIST 307.3](#) Seminar in Ancient Medieval and Renaissance Biography
- [HIST 308.6](#) Rome Building and Living in the Ancient City
- [HIST 309.3](#) Crusades and Aftermath
- [HIST 320.3](#) Pagans Christians Barbarians Identity and Empire in the Roman World
- [HIST 326.3](#) Healers Cunning Folk and Quacks in Pre Modern England 1300 to 1600
- ~~[HIST 331.3](#)~~
- [HIST 335.3](#) Spectacles of Death in the Roman World
- [HIST 402.3](#) Aspects of Late Antiquity
- [HIST 403.3](#) Topics in the History of Early Medieval England The Anglo Saxon Renaissance
- [HIST 411.3](#) Topics in Medieval History 1000 to 1500
- [HIST 414.3](#) Gender Sexuality and Masculinity in the Middle Ages and Renaissance
- [HIST 439.3](#) Magic and Occult in PreModern Europe
- [HIST 470.3](#) War and Religion in Early Modern Europe
- [HIST 473.3](#) The Life and Legend of Alexander the Great

...

- [PHIL 208.3](#) Ancient Philosophy Presocratics to Plato
- [PHIL 209.3](#) Ancient Philosophy Aristotle to Plotinus
- [PHIL 210.3](#) Medieval Philosophy I From Rome to Baghdad and Paris
- [PHIL 211.3](#) Philosophy and Faith Medieval Philosophy II

- **PHIL 304.3** Aquinas Moral Political and Legal Philosophy
- **PHIL 412.3**

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**Classical, Medieval & Renaissance Studies - Minor**  
Requirements (24 credit units)

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Choose **18 credit units** from one of the following, such that 12 credit units are at the 200-level or above:

CMRS 433 may only be counted if the object of study is a historical document.

\*A shell course that may be taken more than once must have its content confirmed by Program Director

- **ANTH 116.3** Introduction to Near Eastern and Classical Archaeology
- **ANTH 241.3** Archaeology and Cultural Development Ancient Israel and Syria Late Bronze Age to Hellenistic Period
- **ANTH 252.3** Near Eastern Archaeological Field Work
- **ANTH 257.3** Archaeology of Ancient Egypt
- **ANTH 258.3** Archaeology of Ancient Mesopotamia
- **ANTH 356.3** Development of Complex Cultures in Eastern Mediterranean and Near Eastern Regions
  
- **ARTH 120.3** Art and Visual Culture I
- **ARTH 306.3** Medieval Art and Architecture
- **ARTH 308.3** Art of High Renaissance and Reformation Era 1500 to 1550
  
- ~~**CLAS 110.3** Greek Civilization~~
- ~~**CLAS 111.3** Roman Civilization~~
- **CLAS 207.3** Greek Tragedy and the Culture of Fifth Century Athens
- **CLAS 220.3** Daily Life in Ancient Greece and Rome
- **CLAS 225.3** Women in Antiquity
- **CLAS 240.3** Ancient Art and Architecture I Bronze Age to Classical Greece
- **CLAS 242.3** Ancient Art and Architecture II Graeco Roman World

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- **HIST 115.3** History Matters Ideas and Culture \* (only when a CMRS approved topic)
- **HIST 145.3** History Matters War Violence and Politics \* (only when a CMRS approved topic)
- **HIST 185.3** History Matters Conflict Law Politics and the State \* (only when a CMRS approved topic)
- **HIST 194.3** History Matters Topics in European History \* (only when a CMRS approved topic)
- **HIST 202.3** Formation of Europe 300 to 1000
- **HIST 203.3** Ancient Greece Politics Society and Culture
- **HIST 204.3** Animals in the Greek and Roman World
- **HIST 205.3** Medieval Europe 1000 to 1400
- **HIST 208.3** The Roman Republic Growth of a Mediterranean State 753 to 27 BCE
- **HIST 209.3** The Roman Empire Politics Society and Culture Augustus to Constantine
- **HIST 211.3** Martyrs Mystics and Madmen Making the Medieval Saint
- **HIST 214.3** History in Film \* (only when a CMRS approved topic)
- **HIST 217.3** The Later Roman Empire Crisis and Continuity from Constantine to Justinian

- [HIST 221.3](#) Sub Roman Anglo Saxon and Viking Britain 400 to 1066
- [HIST 222.3](#) Medieval England 1000 to 1500
- [HIST 223.3](#) Age of the Renaissance
- [HIST 240.3](#) Early Modern Britain and its Empire
- [HIST 273.3](#) History of Ancient Medicine
- [HIST 301.3](#) Greek and Roman Historians
- [HIST 305.3](#) Greek and Roman Satire
- [HIST 307.3](#) Seminar in Ancient Medieval and Renaissance Biography
- [HIST 308.6](#) Rome Building and Living in the Ancient City
- [HIST 309.3](#) Crusades and Aftermath
- [HIST 320.3](#) Pagans Christians Barbarians Identity and Empire in the Roman World
- [HIST 326.3](#) Healers Cunning Folk and Quacks in Pre Modern England 1300 to 1600
- ~~[HIST 331.3](#)~~
- [HIST 335.3](#) Spectacles of Death in the Roman World
- [HIST 402.3](#) Aspects of Late Antiquity
- [HIST 403.3](#) Topics in the History of Early Medieval England The Anglo Saxon Renaissance
- [HIST 411.3](#) Topics in Medieval History 1000 to 1500
- [HIST 414.3](#) Gender Sexuality and Masculinity in the Middle Ages and Renaissance
- [HIST 439.3](#) Magic and Occult in PreModern Europe
- [HIST 470.3](#) War and Religion in Early Modern Europe
- [HIST 473.3](#) The Life and Legend of Alexander the Great

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- [PHIL 208.3](#) Ancient Philosophy Presocratics to Plato
- [PHIL 209.3](#) Ancient Philosophy Aristotle to Plotinus
- [PHIL 210.3](#) Medieval Philosophy I From Rome to Baghdad and Paris
- [PHIL 211.3](#) Philosophy and Faith Medieval Philosophy II
- [PHIL 304.3](#) Aquinas Moral Political and Legal Philosophy
- [PHIL 412.3](#)

...

Rationale: CLAS 110 and CLAS 111 are proposed for deletion (see below). HIST 331 has been renumbered to HIST 439. The added courses in History and Philosophy are relevant to the field and will provide students with more options to complete this interdisciplinary program.

## Classics

### Minor program revisions

#### Minor in Classics

Remove CLAS 110 and CLAS 111.

### Classics - Minor

Requirements (24 credit units)

This minor may be taken in conjunction with any degree in another subject area in the College of Arts & Science.

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

- [CLAS 104.3](#) Classical Myths
- ~~[CLAS 110.3](#) Greek Civilization~~

- ~~CLAS 111.3 Roman Civilization~~
- CMRS 110.3 The Graeco Roman Tradition Evolution and Reception

Choose **18 credit units** from the following:

No more than 3 credit units from CLAS 101.3 Introduction to Scientific Terminology, CLAS 103.3 Medical Terminology, CLAS 105.3 Classical Roots of English, CLAS 107.3 Introduction to Legal Terminology or CLAS 203.3 Advanced Medical Terminology; no more than 9 credit units may be taken in ARCH; and no more than 9 credit units may be taken in HIST.

- ARCH 116.3
- ARCH 244.3
- ARCH 252.3
- ARCH 258.3
- ARCH 356.3 Development of Complex Cultures in Eastern Mediterranean and Near Eastern Regions
- CLAS 101.3 Introduction to Scientific Terminology
- CLAS 103.3 Medical Terminology
- ~~CLAS 104.3 Classical Myths~~
- CLAS 105.3 Classical Roots of English
- CLAS 107.3 Introduction to Legal Terminology
- CLAS — 200-Level
- GRK — 100-Level, 200-Level
- HIST 203.3 Ancient Greece Politics Society and Culture
- HIST 208.3 The Roman Republic Growth of a Mediterranean State 753 to 27 BCE
- HIST 209.3 The Roman Empire Politics Society and Culture Augustus to Constantine
- HIST 217.3 The Later Roman Empire Crisis and Continuity from Constantine to Justinian
- HIST 273.3 History of Ancient Medicine
- HIST 302.3
- HIST 308.6 Rome Building and Living in the Ancient City
- HIST 320.3 Pagans Christians Barbarians Identity and Empire in the Roman World
- HIST 335.3 Spectacles of Death in the Roman World
- LATN — 100-Level, 200-Level
- PHIL 208.3 Ancient Philosophy Presocratics to Plato
- PHIL 209.3 Ancient Philosophy Aristotle to Plotinus
- Special topics courses in the listed subjects, with prior permission of the CMRS Director

Rationale: CLAS 110 and 111 are proposed for deletion (see below). These revisions reflect the impact of those deletions on this program.

#### **Course deletion(s)**

**CLAS 110.3 Greek Civilization**

**CLAS 111.3 Roman Civilization**

As CMRS 110.3 covers both Greek and Roman civilization the CMRS Committee has decided it is best to close CLAS 110 and 111. This change will make more efficient use of faculty resources in this area, which have been reduced due to recent retirements.

## Computer Science

### Minor course revisions

#### **CMPT 215.3 Introduction to Computer Organization and Architecture**

Prerequisite change:

Current prerequisite: CMPT 214.3; and one of MATH 104.3, MATH 110.3, MATH 121.3, MATH 123.3, MATH 125.3, MATH 133.4, MATH 163.3, MATH 176.3, STAT 242.3 or STAT 245.3 (or equivalent).

Proposed prerequisite: CMPT 214.3; and one of MATH 163.3 or CMPT 260.3.

Rationale: MATH 163.3 is required in all Applied Computing and Computer Science programs, and is the more appropriate preparation for this course.

## English

### Minor program revisions

#### **Bachelor of Arts Honours, Four-year and Double Honours in English**

In the A4 Major Requirement, add ENG 384.3 (proposed below) and remove ENG 206, ENG 288, ENG 307 from the Category 4 list.

### Bachelor of Arts Honours (B.A. Honours) - English

A4 Major Requirement (60 credit units)

- [ENG 394.3](#) Literary and Cultural Theory

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

- [100-Level ENG Courses](#)

Choose **6 credit units** from the following Histories of English Courses:

- [ENG 210.3](#) Literary Canons and Cultural Power
- [ENG 211.3](#) History and Future of the Book
- [ENG 212.3](#) A History of English Words

Choose **6 credit units** from EACH of categories 1 through 4 (**24 credit units** in all).

#### Category 1: Anglo-Saxon & Medieval

...

#### Category 2: 16th & 17th Century

...

#### Category 3: 18th & 19th Century

...

#### Category 4: 20th & 21st Century

- ~~[ENG 206.3](#) An Introduction to Cultural Studies~~
- [ENG 242.3](#) Indigenous Storytelling of the Prairies
- [ENG 243.3](#) Introduction to Indigenous Literatures
- [ENG 255.3](#) Mapping Canadian Literature
- ~~[ENG 288.3](#) Introduction to Film~~

- [ENG 305.3](#) Canadian Fiction from Beginnings to 1960
- ~~[ENG 307.3](#) Digital Literature and New Media~~
- [ENG 330.3](#) British and Irish Literature 1900 to 1950
- [ENG 338.3](#) Contemporary North American Indigenous Literatures
- [ENG 358.3](#) Canadian Drama
- [ENG 359.3](#) Western Canadian Literature
- [ENG 360.3](#) British and Irish Literature Since 1950
- [ENG 363.3](#) Approaches to 20th and 21st Century Fiction
- [ENG 368.3](#) Approaches to 20th and 21st Century Poetry
- [ENG 377.3](#) Approaches to Modern and Contemporary Drama
- [ENG 381.3](#) American Literature from 1900 to the Present
- [ENG 382.3](#) Canadian Fiction from 1960 to the Present
- ~~[ENG 384.3](#) British and Irish Literature from 1900 to the Present~~
- [ENG 446.3](#) Topics in Genres and Contexts of Modern Literature
- [ENG 460.3](#) Topics in 20th Century British and Irish Literature
- [ENG 464.3](#) Topics in 20th Century American Literature
- [ENG 466.3](#) Topics in 20th Century Canadian Literature

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### Bachelor of Arts Four-year (B.A. Four-year) - English

A4 Major Requirement (39 credit units)

- [ENG 394.3](#) Literary and Cultural Theory

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

- [100-Level ENG Courses](#)

Choose **3 credit units** from the following Histories of English Courses:

- [ENG 210.3](#) Literary Canons and Cultural Power
- [ENG 211.3](#) History and Future of the Book
- [ENG 212.3](#) A History of English Words

Choose **3 credit units** from EACH of the categories 1 through 5 (**15 credit units** in all).

#### Category 1: Anglo-Saxon & Medieval

...

#### Category 2: 16th & 17th Century

...

#### Category 3: 18th & 19th Century

...

#### Category 4: 20th & 21st Century

- ~~[ENG 206.3](#) An Introduction to Cultural Studies~~
- [ENG 242.3](#) Indigenous Storytelling of the Prairies
- [ENG 243.3](#) Introduction to Indigenous Literatures



- [ENG 255.3](#) Mapping Canadian Literature
- ~~[ENG 288.3](#) Introduction to Film~~
- [ENG 305.3](#) Canadian Fiction from Beginnings to 1960
- ~~[ENG 307.3](#) Digital Literature and New Media~~
- [ENG 330.3](#) British and Irish Literature 1900 to 1950
- [ENG 338.3](#) Contemporary North American Indigenous Literatures
- [ENG 358.3](#) Canadian Drama
- [ENG 359.3](#) Western Canadian Literature
- [ENG 360.3](#) British and Irish Literature Since 1950
- [ENG 363.3](#) Approaches to 20th and 21st Century Fiction
- [ENG 368.3](#) Approaches to 20th and 21st Century Poetry
- [ENG 377.3](#) Approaches to Modern and Contemporary Drama
- [ENG 381.3](#) American Literature from 1900 to the Present
- [ENG 382.3](#) Canadian Fiction from 1960 to the Present
- [ENG 384.3](#) British and Irish Literature from 1900 to the Present
- [ENG 446.3](#) Topics in Genres and Contexts of Modern Literature
- [ENG 460.3](#) Topics in 20th Century British and Irish Literature
- [ENG 464.3](#) Topics in 20th Century American Literature
- [ENG 466.3](#) Topics in 20th Century Canadian Literature

**Category 5: Decolonizing, Transnational, Diasporic**

...

**Bachelor of Arts Double Honours - English - Major 1**

A4 Major Requirement (42 credit units)

- [ENG 394.3](#) Literary and Cultural Theory

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

- [100-Level ENG Courses](#)

Choose **6 credit units** from the following Histories of English Courses:

- [ENG 210.3](#) Literary Canons and Cultural Power
- [ENG 211.3](#) History and Future of the Book
- [ENG 212.3](#) A History of English Words

Choose **3 credit units** in EACH of the categories 1 through 5 (**15 credit units** in all).

**Category 1: Anglo-Saxon & Medieval**

...

**Category 2: 16th & 17th Century**

...

**Category 3: 18th & 19th Century**

...

**Category 4: 20th & 21st Century**

- ~~ENG 206.3~~ ~~An Introduction to Cultural Studies~~
- [ENG 242.3](#) Indigenous Storytelling of the Prairies
- [ENG 243.3](#) Introduction to Indigenous Literatures
- [ENG 255.3](#) Mapping Canadian Literature
- ~~ENG 288.3~~ ~~Introduction to Film~~
- [ENG 305.3](#) Canadian Fiction from Beginnings to 1960
- ~~ENG 307.3~~ ~~Digital Literature and New Media~~
- [ENG 330.3](#) British and Irish Literature 1900 to 1950
- [ENG 338.3](#) Contemporary North American Indigenous Literatures
- [ENG 358.3](#) Canadian Drama
- [ENG 359.3](#) Western Canadian Literature
- [ENG 360.3](#) British and Irish Literature Since 1950
- [ENG 363.3](#) Approaches to 20th and 21st Century Fiction
- [ENG 368.3](#) Approaches to 20th and 21st Century Poetry
- [ENG 377.3](#) Approaches to Modern and Contemporary Drama
- [ENG 381.3](#) American Literature from 1900 to the Present
- [ENG 382.3](#) Canadian Fiction from 1960 to the Present
- [ENG 384.3](#) **British and Irish Literature from 1900 to the Present**
- [ENG 446.3](#) Topics in Genres and Contexts of Modern Literature
- [ENG 460.3](#) Topics in 20th Century British and Irish Literature
- [ENG 464.3](#) Topics in 20th Century American Literature
- [ENG 466.3](#) Topics in 20th Century Canadian Literature

#### Category 5: Decolonizing, Transnational, Diasporic

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#### Double Honours - English - Major 2

Requirements (42 credit units)

- [ENG 394.3](#) Literary and Cultural Theory

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

- [ENG — 100-Level](#)

Choose **6 credit units** from the following Histories of English Courses:

- [ENG 210.3](#) Literary Canons and Cultural Power
- [ENG 211.3](#) History and Future of the Book
- [ENG 212.3](#) A History of English Words

Choose **3 credit units** in EACH of categories 1 through 5 (**15 credit units** in all).

#### Category 1: Anglo-Saxon & Medieval

...

#### Category 2: 16th & 17th Century

...

#### Category 3: 18th & 19th Century

...

#### Category 4: 20th & 21st Century

- ~~ENG 206.3 An Introduction to Cultural Studies~~
- [ENG 242.3](#) Indigenous Storytelling of the Prairies
- [ENG 243.3](#) Introduction to Indigenous Literatures
- [ENG 255.3](#) Mapping Canadian Literature
- ~~ENG 288.3 Introduction to Film~~
- [ENG 305.3](#) Canadian Fiction from Beginnings to 1960
- ~~ENG 307.3 Digital Literature and New Media~~
- [ENG 330.3](#) British and Irish Literature 1900 to 1950
- [ENG 338.3](#) Contemporary North American Indigenous Literatures
- [ENG 358.3](#) Canadian Drama
- [ENG 359.3](#) Western Canadian Literature
- [ENG 360.3](#) British and Irish Literature Since 1950
- [ENG 363.3](#) Approaches to 20th and 21st Century Fiction
- [ENG 368.3](#) Approaches to 20th and 21st Century Poetry
- [ENG 377.3](#) Approaches to Modern and Contemporary Drama
- [ENG 381.3](#) American Literature from 1900 to the Present
- [ENG 382.3](#) Canadian Fiction from 1960 to the Present
- [ENG 384.3](#) British and Irish Literature from 1900 to the Present
- [ENG 446.3](#) Topics in Genres and Contexts of Modern Literature
- [ENG 460.3](#) Topics in 20th Century British and Irish Literature
- [ENG 464.3](#) Topics in 20th Century American Literature
- [ENG 466.3](#) Topics in 20th Century Canadian Literature

#### Category 5: Decolonizing, Transnational, Diasporic

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Rationale: ENG 384.3 will replace ENG 330 and 360 (being left in the list for now to accommodate students who have already taken them). ENG 206, 288 and 307 are not an exact fit with the theme of this category and the Department of English has decided that they should instead be with the non-Category ENG courses, which students may use in a different section of the A4 Major requirement.

#### New course(s)

##### **ENG 384.3 British and Irish Literature from 1900 to the Present**

1/2-3L A study of the changing forms of poetry, drama, and fiction in relation to the major events and shifting political and cultural landscapes of Britain and Ireland since 1900. Areas of focus will vary, but may include feminism, the modernist revolution in the arts, the World Wars, Irish independence, and the decline of British imperial rule and its long aftermath. Authors may include, for example, Shaw, Yeats, Sassoon, Conrad, Woolf, Joyce, Orwell, Beckett, Larkin, Kureishi, Selvon, and Carter.

Pre- or Co-requisite(s): 3 cu of 200-level ENG

Note: Students with ENG 330 or ENG 360 may not take this course for credit.

Instructor(s): Ann Martin, Ella Ophir, Ludmilla Voitkovska

Rationale: ENG 330.3 (British & Irish Literature 1900-1950) and ENG 360.3 (British & Irish Literature Since 1950) are proposed to be deleted and replaced by this course, which will encompass the two time periods together. This merger addresses a pattern of low enrolment in the two courses, reduces the number of courses the department has to keep in rotation, and brings the core 300-level British & Irish offering into alignment with the American Literature course, ENG 381-American Literature from 1900 to the Present.

### Course deletion(s)

**ENG 330.3 British and Irish Literature 1900 to 1950**

**ENG 360.3 British and Irish Literature Since 1950**

Rationale: ENG 330 and ENG 360 are being deleted and replaced by a single course, ENG 384.3 (see above), that will span the time periods covered by each.

### Environmental Geoscience

#### Minor program revisions

#### **Bachelor of Science Honours and Four-year in Environmental Geoscience**

Add GEOL 108.3 and GEOL 114.2 as an alternative to GEOL 121.3 where it appears, and add a note explaining this use as well as the use of GEOL 102.1 and GEOL 114.2 toward program requirements.

#### Bachelor of Science Honours (B.Sc. Honours) - Environmental Geoscience

**C4 Major Requirement (54-56 credit units)**

Introductory Geosciences (**6 credit units**)

\*Students who complete GEOL 108.3 and GEOL 114.2 instead of GEOL 121.3 must complete 8 credit units to fulfill the Introductory Geosciences requirement. Students who transfer from Engineering may count GEOL 102.1 and GEOL 114.2 in lieu of GEOL 121.3 and will also be required to complete 11 credit units Introductory Geosciences requirement. These students will take an additional senior GEOL course, that is not used to fulfill a requirement below, to achieve this total.

- **GEOL 121.3** Earth Processes; or **GEOL 108.3 The Earth and How it Works and GEOL 114.2 Practical Geoscience\***
- **GEOL 122.3** Earth History

Fundamental Geosciences (**30 credit units**)

- **GEOL 206.3** Earth Systems
- **GEOL 224.3** Mineralogy
- **GEOL 226.3** Introductory Petrology
- **GEOL 229.3** Introductory Geochemistry
- **GEOL 245.3** Introduction to Sedimentary Rocks
- **GEOL 258.3** Structural Geology
- **GEOL 308.3** Field School Sedimentary Rocks or **GEOL 487.3** Geophysical Field Methods
- **GEOL 384.3** Introduction to Applied Geophysics or **GEOL 334.3** Gravity Magnetic Electromagnetic and Radiometric Methods
- **GEOL 413.3** Aqueous Geochemistry
- **GEOL 429.3** Isotope Geochemistry

Environmental Geosciences (**18 credit units**)

Category A (**6 credit units**)

- **GEOL 315.3** Geomicrobiology
- **GEOL 324.3** Igneous Petrology
- **GEOL 325.3** Metamorphic Petrology
- **GEOL 343.3** Sedimentary Environments
- **GEOL 350.3** Organic Geochemistry

- [GEOL 451.3](#) Synchrotron Xray Absorption Spectroscopy
- [GEOL 465.3](#) Mineral Deposits
- [GEOL 490.3](#) Geological Sciences Research
- [GEOL 492.6](#) Geological Sciences Research

Category B (6 credit units)

- [SLSC 322.3](#) Environmental Soil Physics
- [GEOG 328.3](#) Groundwater Hydrology
- [GEOE 375.3](#) Engineering Hydrogeology

Category C (6 credit units)

- [SLSC 313.3](#) Environmental Soil Chemistry
- [CHEM 375.3](#) Environmental Chemistry
- [EVSC 421.3](#) Contaminated Site Management and Remediation
- [TOX 301.3](#) Environmental Toxicology

**Bachelor of Science Four-year (B.Sc. Four-year) - Environmental Geoscience**  
C4 Major Requirement (54-56 credit units)

Introductory Geosciences (6 credit units)

\*Students who complete GEOL 108.3 and GEOL 114.2 instead of GEOL 121.3 must complete 8 credit units to fulfill the Introductory Geosciences requirement. Students who transfer from Engineering may count GEOL 102.1 and GEOL 114.2 in lieu of GEOL 121.3 and will also be required to complete 11 credit units Introductory Geosciences requirement. These students will take an additional senior GEOL course, that is not used to fulfill a requirement below, to achieve this total.

- [GEOL 121.3](#) Earth Processes; or [GEOL 108.3](#) The Earth and How it Works and [GEOL 114.2](#) Practical Geoscience\*
- [GEOL 122.3](#) Earth History

Fundamental Geosciences (30 credit units)

- [GEOL 206.3](#) Earth Systems
- [GEOL 224.3](#) Mineralogy
- [GEOL 226.3](#) Introductory Petrology
- [GEOL 229.3](#) Introductory Geochemistry
- [GEOL 245.3](#) Introduction to Sedimentary Rocks
- [GEOL 258.3](#) Structural Geology
- [GEOL 308.3](#) Field School Sedimentary Rocks or [GEOL 487.3](#) Geophysical Field Methods
- [GEOL 384.3](#) Introduction to Applied Geophysics or [GEOL 334.3](#) Gravity Magnetic Electromagnetic and Radiometric Methods
- [GEOL 413.3](#) Aqueous Geochemistry
- [GEOL 429.3](#) Isotope Geochemistry

Environmental Geosciences (18 credit units)

Category A (6 credit units)

- [GEOL 315.3](#) Geomicrobiology
- [GEOL 324.3](#) Igneous Petrology
- [GEOL 325.3](#) Metamorphic Petrology
- [GEOL 343.3](#) Sedimentary Environments
- [GEOL 350.3](#) Organic Geochemistry
- [GEOL 451.3](#) Synchrotron Xray Absorption Spectroscopy
- [GEOL 465.3](#) Mineral Deposits

Category B (6 credit units)

- [SLSC 322.3](#) Environmental Soil Physics
- [GEOG 328.3](#) Groundwater Hydrology
- [GEOE 375.3](#) Engineering Hydrogeology

Category C (6 credit units)

- [SLSC 313.3](#) Environmental Soil Chemistry
- [CHEM 375.3](#) Environmental Chemistry
- [EVSC 421.3](#) Contaminated Site Management and Remediation
- [TOX 301.3](#) Environmental Toxicology

Rationale: Students who start with GEOL 102 or GEOL 108 need a pathway to proceed to more advanced courses in Geology. The addition of GEOL 114.2 will do this, and reduce the cost to the student by 1/3 compared to making them take GEOL 121 after either of these courses.

**Geology**

**Minor program revisions**

Add GEOL 108.3 and GEOL 114.2 as an alternative to GEOL 121.3 where it appears, and add a note explaining this use as well as the use of GEOL 102.1 and GEOL 114.2 toward program requirements.

**Bachelor of Science Honours (B.Sc. Honours) - Geology**

**C4 Major Requirement (63-65 credit units)**

\*Students who complete GEOL 108.3 and GEOL 114.2 instead of GEOL 121.3 must complete 65 credit units to fulfill the C4 Major Requirement. Students who transfer from Engineering may count GEOL 102.1 and GEOL 114.2 in lieu of GEOL 121.3 and will also be required to complete 65 credit units to fulfill the C4 Major Requirement. These students will take an additional senior GEOL course, that is not used to fulfill a requirement below, to achieve this total.

- [GEOL 121.3](#) Earth Processes; or [GEOL 108.3](#) The Earth and How it Works and [GEOL 114.2](#) Practical Geoscience\*
- [GEOL 122.3](#) Earth History
- [GEOL 206.3](#) Earth Systems
- [GEOL 224.3](#) Mineralogy
- [GEOL 226.3](#) Introductory Petrology
- [GEOL 229.3](#) Introductory Geochemistry
- [GEOL 245.3](#) Introduction to Sedimentary Rocks
- [GEOL 247.3](#) Palaeontology
- [GEOL 258.3](#) Structural Geology
- [GEOL 282.3](#) Earth Physics or [GEOL 384.3](#) Introduction to Applied Geophysics

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### **Bachelor of Science Four-year (B.Sc. Four-year) - Geology**

**C4 Major Requirement (60-62 credit units)**

\*Students who complete GEOL 108.3 and GEOL 114.2 instead of GEOL 121.3 must complete 62 credit units to fulfill the C4 Major Requirement. Students who transfer from Engineering may count GEOL 102.1 and GEOL 114.2 in lieu of GEOL 121.3 and will also be required to complete 65 credit units to fulfill the C4 Major Requirement. These students will take an additional senior GEOL course, that is not used to fulfill a requirement below, to achieve this total.

- **GEOL 121.3** Earth Processes; or **GEOL 108.3 The Earth and How it Works** and **GEOL 114.2 Practical Geoscience**
- **GEOL 122.3** Earth History
- **GEOL 206.3** Earth Systems
- **GEOL 224.3** Mineralogy
- **GEOL 226.3** Introductory Petrology
- **GEOL 229.3** Introductory Geochemistry
- **GEOL 245.3** Introduction to Sedimentary Rocks
- **GEOL 247.3** Palaeontology
- **GEOL 258.3** Structural Geology
- **GEOL 282.3** Earth Physics or **GEOL 384.3** Introduction to Applied Geophysics

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### **Bachelor of Science Three-year (B.Sc. Three-year) - Geology**

**C4 Major Requirement (30-32 credit units)**

\*Students who complete GEOL 108.3 and GEOL 114.2 instead of GEOL 121.3 must complete 32 credit units to fulfill the C4 Major Requirement. Students who transfer from Engineering may count GEOL 102.1 and GEOL 114.2 in lieu of GEOL 121.3 and will also be required to complete 65 credit units to fulfill the C4 Major Requirement. These students will take an additional senior GEOL course, that is not used to fulfill a requirement below, to achieve this total.

- **GEOL 121.3** Earth Processes; or **GEOL 108.3 The Earth and How it Works** and **GEOL 114.2 Practical Geoscience\***
- **GEOL 122.3** Earth History

Choose **24 credit units** from the following, of which at least 3 credit units must be at the 300-level or higher.

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

Rationale: Students who start with GEOL 102 or GEOL 108 need a pathway to proceed to more advanced courses in Geology. The addition of GEOL 114.2 will do this, and reduce the cost to the student by 1/3 compared to making them take GEOL 121 after either of these courses.

#### **New course(s)**

##### **GEOL 114.2 Practical Geoscience**

1/2 - 1L-3P An introduction to the fundamentals of geoscience and the study of the Earth, with a focus on practical laboratory examination of minerals, rocks, structures, and the geology of Canada. Innovations in geoscience, and their relevance to society and careers in geoscience will be highlighted.

Prerequisite(s): GEOL 102.1 or GEOL 108.3

Note: Students with credit for GEOL 121.3 may not take this course for credit.



Instructor(s): Kevin Ansdell

Rationale: Courses in Geological Sciences also support programs in the College of Engineering, and this new course will serve the transition requirements for Engineering students who have completed GEOL 102.1 in Term 1 of the common first year. A combination of GEOL 102.1 and this new course will provide pre-requisite skills that enable students to take senior level GEOL courses, with credit equivalency to our primary first year course, GEOL 121.3. The new core program in Engineering disadvantages those interested in studying Earth Sciences. Currently, 1<sup>st</sup> year Engineering students can transfer directly to Arts and Science programs, accessing 2<sup>nd</sup> year courses in Computer Science, Chemistry, Physics, and Mathematics; if they are interested in the Earth Sciences, they must currently take an additional course (GEOL 121.3) in their 2<sup>nd</sup> year at university. Over the years, there have been a number of students in Geological Sciences that have transferred early in their Engineering program. It is important that students are provided a smooth option to transfer to an Arts and Science program if they decide that it is more aligned with their disciplinary interests and career aspirations.

As indicated above, our primary first-year course is GEOL 121.3, which includes important lab components, and successful completion of this course allows access to all senior level GEOL courses. Another required course in geoscience programs is GEOL 122.3, which also has a lab component, and is complementary to GEOL 121.3. However, students can also register for GEOL 108.3, which has identical lectures to GEOL 121.3, but no labs. Traditionally, GEOL 108 has been a good option for students needing a science breadth elective who do not intend to study farther in the Earth Sciences. Over the years, however, many of these students (who entered university with no knowledge of the Earth gained during their secondary education) have gained new interest and appreciation for the Earth sciences, and have requested to transfer into a geoscience program.

These students have then had to register for GEOL 121.3, and complete the labs (even though the lectures are identical to GEOL 108), in order to gain skills to access senior level GEOL courses. The proposed course will facilitate and formalize this transition and reduce the tuition fees that a student will incur.

### **Minor course revisions**

#### **GEOL 204.3 Introduction to International Field Studies**

Prerequisite change:

Current prerequisite: GEOL 121.3, GEOL 122.3, or GEOG 120.3; and permission of the instructor. Each student must have completed a minimum of 30 credit units and have a cumulative weighted average of at least 65%.

Proposed prerequisite: GEOL 114.2, 121.3, GEOL 122.3, or GEOG 120.3; and permission of the instructor. Each student must have completed a minimum of 30 credit units and have a cumulative weighted average of at least 65%.

Rationale: Students who start with GEOL 102 or GEOL 108 need a pathway to proceed to more advanced courses in Geology. The addition of GEOL 114.2 will do this, and reduce the cost to the student by 1/3 compared to making them take GEOL 121 after either of these courses.

#### **GEOL 206.3 Earth Systems**

Prerequisite change:

Current prerequisite: One course from GEOL 121.3, GEOL 122.3; GEOG 120.3; BIOL 108.6, BIOL 120.3, BIOL 121.3, ARCH 112.3, CHEM 112.3, CHEM 146.3, PHYS 115.3, PHYS 156.3, or permission of the department.

Proposed prerequisite: One course from GEOL 114.2, 121.3, GEOL 122.3; GEOG 120.3; BIOL 108.6, BIOL 120.3, BIOL 121.3, ARCH 112.3, CHEM 112.3, CHEM 146.3, PHYS 115.3, PHYS 156.3, or permission of the department.

Rationale: See GEOL 204.3 above.

#### **GEOL 224.3 Mineralogy**

Prerequisite change:

Current prerequisite: GEOL 121.3; and PHYS 115.3, PHYS 155.3, or PHYS 156.3; and CHEM 112.3, CHEM 114.3, or CHEM 146.3; and MATH 110.3, MATH 123.3, MATH 133.4, or MATH 176.3.

Proposed prerequisite: GEOL 114.2 or GEOL 121.3; and PHYS 115.3, PHYS 155.3, or PHYS 156.3; and CHEM 112.3, CHEM 114.3, or CHEM 146.3; and MATH 110.3, MATH 123.3, MATH 133.4, or MATH 176.3.

Rationale: See GEOL 204.3 above.

### **GEOL 229.3 Introductory Geochemistry**

Prerequisite change:

Current prerequisite: GEOL 121.3; and CHEM 112.3 or CHEM 146.3; and MATH 110.3, MATH 123.3, MATH 133.4, or MATH 176.3

Proposed prerequisite: GEOL 114.2 or GEOL 121.3; and CHEM 112.3 or CHEM 146.3; and MATH 110.3, MATH 123.3, MATH 133.4, or MATH 176.3

Rationale: See GEOL 204.3 above.

### **GEOL 245.3 Introduction to Sedimentary Rocks**

Prerequisite change: GEOL 121.3; and PHYS 115.3, PHYS 155.3, or PHYS 156.3; and CHEM 112.3, CHEM 114.3, or CHEM 146.3; and MATH 110.3, MATH 123.3, MATH 133.4 or MATH 176.3.

Proposed prerequisite: GEOL 114.2 or GEOL 121.3; and PHYS 115.3, PHYS 155.3, or PHYS 156.3; and CHEM 112.3, CHEM 114.3, or CHEM 146.3; and MATH 110.3, MATH 123.3, MATH 133.4 or MATH 176.3.

Rationale: See GEOL 204.3 above.

### **GEOL 258.3 Structural Geology**

Prerequisite change:

Current prerequisite: GEOL 121.3; and PHYS 115.3, PHYS 155.3, or PHYS 156.3; and CHEM 112.3, CHEM 114.3, or CHEM 146.3; and MATH 110.3, MATH 123.3, MATH 133.3, or MATH 176.3.

Proposed prerequisite: GEOL 114.2 or GEOL 121.3; and PHYS 115.3, PHYS 155.3, or PHYS 156.3; and CHEM 112.3, CHEM 114.3, or CHEM 146.3; and MATH 110.3, MATH 123.3, MATH 133.3, or MATH 176.3.

Rationale: See GEOL 204.3 above.

## **Geophysics**

### **Minor program revisions**

#### **Bachelor of Science Honours and Four-year in Geophysics**

Add GEOL 108.3 and GEOL 114.2 as an alternative to GEOL 121.3 where it appears, and add a note explaining this use as well as the use of GEOL 102.1 and GEOL 114.2 toward program requirements.

#### **Bachelor of Science Honours (B.Sc. Honours) - Geophysics**

**C4 Major Requirement (57-~~60~~ 62 credit units)**

#### **Junior courses (9-11 credit units):**

\*Students who complete GEOL 108.3 and GEOL 114.2 instead of GEOL 121.3 must complete 11 credit units to fulfill the Junior courses requirement. Students who transfer from Engineering may count GEOL 102.1 and GEOL 114.2 in lieu of GEOL 121.3 and will also be required to complete 11 credit units Junior courses requirement. These students will take an additional senior GEOL course, that is not used to fulfill a requirement below, to achieve this total.

- **GEOL 121.3** Earth Processes; or **GEOL 108.3** The Earth and How it Works and **GEOL 114.2** Practical Geoscience\*
- **PHYS 115.3** Physics and the Universe or **PHYS 156.3** Electromagnetism and Waves for Engineering
- **PHYS 117.3** Physics for the Life Sciences or **PHYS 125.3** Physics and Technology

**Senior courses (48-51 credit units):**

...

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

**C4 Major Requirement (57-~~60~~ 62 credit units)**

**Junior courses (9-11 credit units):**

\*Students who complete GEOL 108.3 and GEOL 114.2 instead of GEOL 121.3 must complete 11 credit units to fulfill the Junior courses requirement. Students who transfer from Engineering may count GEOL 102.1 and GEOL 114.2 in lieu of GEOL 121.3 and will also be required to complete 11 credit units Junior courses requirement. These students will take an additional senior GEOL course, that is not used to fulfill a requirement below, to achieve this total.

- **GEOL 121.3** Earth Processes; or **GEOL 108.3** The Earth and How it Works and **GEOL 114.2** Practical Geoscience\*
- **PHYS 115.3** Physics and the Universe or **PHYS 156.3** Electromagnetism and Waves for Engineering
- **PHYS 117.3** Physics for the Life Sciences or **PHYS 125.3** Physics and Technology

**Senior courses (48-51 credit units):**

...

Rationale: Students who start with GEOL 102 or GEOL 108 need a pathway to proceed to more advanced courses in Geology. The addition of GEOL 114.2 will do this, and reduce the cost to the student by 1/3 compared to making them take GEOL 121 after either of these courses.

**Music**

**New course(s)**

**EMUS 301.3 String Techniques**

1/2-3L This course is designed to teach students the foundations of playing and teaching orchestral string instruments (violin, viola, cello, double bass). It also aims for students to develop fluency in string pedagogy, string methodologies, and arranging skills for string instruments.

Prerequisite(s): MUS 134.3 or by permission of the instructor.

Note: Students with credit for MUS 398.3 String Techniques may not take this course for credit.

Instructor(s): Veronique Mathieu

Rationale: This course is being created to meet the needs of students. When the David L. Kaplan chair was established in 2018, the goal of this new position was to develop a strings program within the Department of Music. The addition of this course is directly related to this goal. There are currently Techniques courses offered in all other instrumental areas, and this course completes the sequence of Techniques courses offered in music. By offering a String Techniques course, music education students will be better prepared to start their teaching careers while other university students will receive valuable information they will be able to apply to their own practice.

**MUS 204.3 The Music of Women Composers**

1/2-3L This course is designed to give students an overview of the many contributions made by women in the field of music – with a focus on classical instrumental and vocal music. Since antiquity, women have been important composers, performers, patrons, and teachers but they often have been overlooked. This course will explore different musical traditions across history from the perspectives of women, and consider their musical accomplishments.

Prerequisite(s): 12 credit units of university courses. Prior musical knowledge is not required.

Note: Students with credit for MUS 298.3 Music of Women Composers may not take this course for credit.

Instructor(s): Veronique Mathieu

Rationale: This course is being created to meet the needs of students in addressing an aspect in classical music that is often neglected: the musical contributions made by women composers and artists. In recent years, there has been a growing interest from audience members, musicians, presenters, and scholars in bringing to light works by women composers that had been neglected or overlooked in the past. This course will give our students an opportunity to explore new perspectives, consider the musical accomplishments of some composers, and understand the position of women throughout history.

### **MUS 300.3 String Literature**

1/2-3L This course is designed to give music majors (and students with previous music experience) a general overview of the literature and history of string instruments from the sixteenth to the twentieth century. Students will be introduced to important pieces of the literature that highlighted major developments for the entire string family.

Prerequisite(s): MUAP 243.3 and MUS 220.3, or by permission of the instructor.

Note: Students with credit for MUS 398.3 String Literature may not take this course for credit.

Instructor(s): Veronique Mathieu

Rationale: This course is being created to meet the needs of students. When the David L. Kaplan chair was established in 2018, the goal of this new position was to develop a strings program within the Department of Music. The addition of this course is directly related to supporting this goal. There are (music) Literature courses offered in other instrumental areas and this course completes the set. By offering a String Literature course, music students will have a more complete musical education, and students majoring in a string instrument will have the opportunity to gain valuable knowledge that they can apply directly to their own practice.

## **Palaeobiology**

### **Minor program revisions**

#### **Bachelor of Science Honours and Four-year in Palaeobiology**

Add GEOL 108.3 and GEOL 114.2 as an alternative to GEOL 121.3 where it appears, and add a note explaining this use as well as the use of GEOL 102.1 and GEOL 114.2 toward program requirements.

#### **Bachelor of Science Honours (B.Sc. Honours) - Palaeobiology**

C4 Major Requirement (66-68 credit units)

#### **Junior course requirements (15-17 credit units):**

\*Students who complete GEOL 108.3 and GEOL 114.2 instead of GEOL 121.3 must complete 11 credit units to fulfill the Junior courses requirement. Students who transfer from Engineering may count GEOL 102.1 and GEOL 114.2 in lieu of GEOL 121.3 and will also be required to complete 11 credit units Junior courses requirement. These students will take an additional senior GEOL course, that is not used to fulfill a requirement below, to achieve this total.

- **ANTH 112.3** The Human Journey Introduction to Archaeology and Biological Anthropology
- **BIOL 120.3** The Nature of Life
- **BIOL 121.3** The Diversity of Life
- **GEOL 121.3** Earth Processes; or **GEOL 108.3 The Earth and How it Works** and **GEOL 114.2 Practical Geoscience\***
- **GEOL 122.3** Earth History

#### **Senior course requirements (51 credit units):**

...

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

C4 Major Requirement (66-68 credit units)

### Junior course requirements (15-17 credit units):

\*Students who complete GEOL 108.3 and GEOL 114.2 instead of GEOL 121.3 must complete 11 credit units to fulfill the Junior courses requirement. Students who transfer from Engineering may count GEOL 102.1 and GEOL 114.2 in lieu of GEOL 121.3 and will also be required to complete 11 credit units Junior courses requirement. These students will take an additional senior GEOL course, that is not used to fulfill a requirement below, to achieve this total.

- [ANTH 112.3](#) The Human Journey Introduction to Archaeology and Biological Anthropology
- [BIOL 120.3](#) The Nature of Life
- [BIOL 121.3](#) The Diversity of Life
- [GEOL 121.3](#) Earth Processes; or [GEOL 108.3](#) The Earth and How it Works and [GEOL 114.2 Practical Geoscience\\*](#)
- [GEOL 122.3](#) Earth History

### Senior course requirements (51 credit units):

...

Rationale: Students who start with GEOL 102 or GEOL 108 need a pathway to proceed to more advanced courses in Geology. The addition of GEOL 114.2 will do this, and reduce the cost to the student by 1/3 compared to making them take GEOL 121 after either of these courses.

## Quantitative Geosciences

### Minor program revisions

#### Certificate in Quantitative Geosciences

Add GEOL 114.2 as an alternative to GEOL 121.3.

### Requirements (17-18 credit units)

This program requires that students take prerequisite courses not listed below. Please see the course descriptions for details.

- [GEOL 121.3](#) Earth Processes or [GEOL 114.2 Practical Geoscience](#)
- [GEOG 222.3](#) Geomatics
- [GEOL 306.3](#) Handling and Visualising Deep Earthtime Geoscience Data

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

- [CMPT 141.3](#) Introduction to Computer Science
- [CMPT 142.3](#) Introduction to Computer Science for Engineers

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

- [GEOL 282.3](#) Earth Physics
- [GEOL 334.3](#) Gravity Magnetic Electromagnetic and Radiometric Methods
- [GEOL 335.3](#) Seismology and Ground Penetrating Radar Methods
- [GEOL 384.3](#) Introduction to Applied Geophysics

- [GEOL 485.6](#) Geophysics Field Camp
- [GEOL 487.3](#) Geophysical Field Methods

Rationale: Students who start with GEOL 102 or GEOL 108 need a pathway to proceed to more advanced courses in Geology. The addition of GEOL 114.2 will do this, and reduce the cost to the student by 1/3 compared to making them take GEOL 121 after either of these courses.

## **Regional and Urban Planning**

### **New course(s)**

#### **PLAN 305.3 Urban Design and Active Transportation**

SP/SU The purpose of this course is to help students develop their understanding of urban design strategies and active transportation concepts that can be used to improve people's experiences and contribute to the overall health and wellbeing of society. The learning outcomes are to explain why humanistic urban design is important in cities and communities; to communicate the breadth of urban design and active transport network features used to enhance public life; to critique the specific design elements of selected public spaces, sidewalks, streets, transport elements; and, to assess the potential to transfer specific design elements to Saskatoon, Canada, or another city with which the student is familiar. The intended skills-based learning outcomes are to undertake independent enquiry and self-directed learning; to demonstrate critical analysis and reflection skills; to evaluate options to improve the built environment by infusing humanistic urban design elements; to critically discuss active transportation network element integrations with urban design features; to develop improved confidence and demonstrate independence in self-directed way-finding; to lead topical discussions with peers, with supportive prompts and assistance provided by the instructor; and, to transmit a clear perspective on the key city elements of humanistic urban design and networks visually, orally and in writing.

Prerequisite(s): GEOG 240.3 or permission of the instructor.

Note: Students with credit for PLAN 298.3 Urban Design and Active Transportation (Study Abroad Amsterdam) are not eligible to receive credit for this course.

Instructor(s): Jill Blakely, Ehab Diab, Bob Patrick, Ryan Walker

Rationale: This course has been offered for two consecutive years as GEOG 298.3. The course has been fully subscribed as a Study Abroad offering. To continue this course in the department it is necessary to formalize the course as a regular offering to students. The proposed course complements the RUP program by providing real-world, experiential learning in urban design and active transportation to the students. In a European context, students apply theory to practice through active cycling, walking, riding street trams and metro subway. The instructors are able to engage directly with their disciplinary subject matter in a real-world environment.

## **Sedimentary Geology**

### **Minor program revisions**

#### **Certificate in Sedimentary Geology**

Add GEOL 114.2 as an alternative to GEOL 121.3.

### **Requirements (23-24 credit units)**

This program requires that students take prerequisite courses not listed below. Please see the course descriptions for details.

- [GEOL 121.3](#) Earth Processes or [GEOL 114.2 Practical Geoscience](#)
- [GEOL 122.3](#) Earth History
- [GEOL 245.3](#) Introduction to Sedimentary Rocks
- [GEOL 247.3](#) Palaeontology
- [GEOL 343.3](#) Sedimentary Environments

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

- [GEOL 308.3](#) Field School Sedimentary Rocks
- [GEOE 378.3](#) Engineering Geological Mapping

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

- [GEOL 405.3](#) International Field Studies
- [GEOL 442.3](#) Sedimentary Petrology
- [GEOL 447.3](#) Ichnology Animal Substrate Interactions in the Stratigraphic Record
- [GEOL 448.3](#) Sequence Stratigraphy

Rationale: Students who start with GEOL 102 or GEOL 108 need a pathway to proceed to more advanced courses in Geology. The addition of GEOL 114.2 will do this, and reduce the cost to the student by 1/3 compared to making them take GEOL 121 after either of these courses.

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The curricular revisions listed below were approved through the Arts & Science College Course and Program Challenge and are now submitted to the University Course Challenge for information.

## **Computer Science**

### **Minor course revisions**

#### **CMPT 340.3 Programming Language Paradigms**

Prerequisite change:

Current prerequisite: CMPT 214.3; CMPT 260.3; and CMPT 270.3.

Proposed prerequisite: CMPT 214.3; CMPT 270.3; and one of CMPT 260.3 or CMPT 263.3.

Rationale: The Department of Computer Science added CMPT 263 in 2024-25 to replace CMPT 260 and to increase students' understanding of computational reasoning. CMPT 260 is retained here as an option but will be removed once there are no longer any students in older program years.

#### **CMPT 360.3 Algorithm Design Analysis and Correctness**

Prerequisite change:

Current prerequisite: CMPT 260.3 and CMPT 280.3; and 9 credit units of MATH or STAT courses.

Proposed prerequisite: CMPT 260.3 or CMPT 263.3; and CMPT 280.3; and 9 credit units of MATH or STAT courses.

Rationale: The Department of Computer Science added CMPT 263 in 2024-25 to replace CMPT 260 and to increase students' understanding of computational reasoning. CMPT 260 is retained here as an option but will be removed once there are no longer any students in older program years.

#### **CMPT 364.3 Automata and Formal Languages**

Prerequisite change:

Current prerequisite: CMPT 260.3 and 9 credit units of MATH or STAT courses.

Proposed prerequisite: One of MATH 163.3 or CMPT 260.3; and 9 credit units of MATH or STAT courses.

Rationale: Rationale: CMPT 260 is being phased out, but much of the same content is taught in MATH 163.3. The course instructor reports that MATH 163 will provide appropriate preparation for this course, but CMPT 260 is retained as an option for students in older programs.

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Effective Fall 2025 students admitted to the College of Arts and Science with the intent to then apply to the College of Nursing after their first year will be able to be admitted to the Nursing Prep program. The requirements for that program will be added to the Catalogue in the Arts & Science section so students can easily find them, which will also allow these students to track their progress using Degree Works. This new Catalogue entry is submitted to the University Course Challenge for information.

## Nursing Prep

This pathway is intended for students who plan to apply for admission to the Bachelor of Science in Nursing (B.S.N.) program in the College of Nursing.

See <https://programs.usask.ca/nursing/bsn/index.php> for the additional requirements for admission to the Bachelor of Science in Nursing (B.S.N.) program.

### Requirements (30 credit units)

- [BIOL 120.3](#) The Nature of Life
- [NUTR 120.3](#) Basic Nutrition (Must have been taken within the past 10 years.)
- [PSY 120.3](#) Biological and Cognitive Bases of Psychology or [PSY 121.3](#) Social Clinical Cultural and Developmental Bases of Psychology
- [SOC 112.3](#) Foundations in Sociology Social Construction of Everyday Life
- [INDG 107.3](#) Introduction to Canadian Indigenous Studies or [HIST 195.3](#) History Matters Indigenous Perspectives on Canadian History
- [NURS 120.3](#) Human Anatomy for Nursing (Must have been taken within the past 10 years. Does not count for credit in any other Arts & Science program.)

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

Courses that exceed the number of required subject credits may be used to fulfill the restricted humanities elective.

- [ENG 110.6](#) Literature and Composition
- [ENG 111.3](#) Literature and Composition Reading Poetry
- [ENG 112.3](#) Literature and Composition Reading Drama
- [ENG 113.3](#) Literature and Composition Reading Narrative
- [ENG 114.3](#) Literature and Composition Reading Culture
- [ENG 120.3](#) Introduction to Creative Writing
- [PHIL 133.3](#) Introduction to Ethics and Values

Choose **3 credit units** of statistics courses from the following:

- [STAT 244.3](#) Elementary Statistical Concepts, or equivalent, as follows:
- [STAT 242.3](#) Statistical Theory and Methodology
- [STAT 245.3](#) Introduction to Statistical Methods
- [STAT 246.3](#) Introduction to Biostatistics
- [PLSC 214.3](#) Statistical Methods
- [COMM 104.3](#) Foundations of Business Statistics
- [PSY 233.3](#) Statistical Methods in Behavioural Sciences A
- [SOC 225.3](#) An Introduction to Survey Research and Data Analysis in Sociology
- [GE 210.3](#) Probability and Statistics

Choose **3 credit units** of Humanities courses, as defined by the College of Arts & Science:

### Humanities

- [ARBC 114.3](#) Beginning Arabic I
- [ARBC 117.3](#) Beginning Arabic II
- [CHIN 114.3](#) Introductory Chinese I
- [CHIN 117.3](#) Introduction to Chinese II
- [CLAS 110.3](#) Greek Civilization
- [CLAS 111.3](#) Roman Civilization
- [CMRS 110.3](#) The Graeco Roman Tradition Evolution and Reception
- [CMRS 111.3](#) Medieval and Renaissance Civilization
- [CREE 101.6](#) Introductory Cree
- [CREE 110.3](#) nehiyawetan Let Us Speak Cree
- [DENE 110.3](#) Dene Language and Culture An Introduction
- [ENG 110.6](#) Literature and Composition
- [ENG 111.3](#) Literature and Composition Reading Poetry
- [ENG 112.3](#) Literature and Composition Reading Drama
- [ENG 113.3](#) Literature and Composition Reading Narrative
- [ENG 114.3](#) Literature and Composition Reading Culture
- [ENG 120.3](#) Introduction to Creative Writing
- ESL 115.3
- ESL 116.3
- [FREN 103.3](#) Beginning French I
- [FREN 106.3](#) Beginning French II
- [FREN 122.3](#) Intermediate French I
- [FREN 125.3](#) Intermediate French II
- [FREN 160.3](#) Stardom in French Cinema
- [FREN 218.3](#) Advanced French II
- [GERM 114.3](#) Elementary German I
- [GERM 117.3](#) Elementary German II
- GRK 112.3
- GRK 113.3
- [HEB 114.3](#) Introduction to Hebrew I
- HEB 117.3
- [HIST 115.3](#) History Matters Ideas and Culture
- [HIST 125.3](#) History Matters Indigenous Colonial and Post Colonial Histories
- [HIST 135.3](#) History Matters Gender Sex and Society
- [HIST 145.3](#) History Matters War Violence and Politics
- [HIST 155.3](#) History Matters Science and Environment
- [HIST 165.3](#) History Matters Health and Society
- [HIST 175.3](#) History Matters Identities and Communities in Transition
- [HIST 185.3](#) History Matters Conflict Law Politics and the State
- [HIST 193.3](#) History Matters Topics in Canadian History
- [HIST 194.3](#) History Matters Topics in European History
- [HIST 195.3](#) History Matters Indigenous Perspectives on Canadian History
- HNDI 114.3
- HNDI 117.3
- [JPNS 114.3](#) Introductory Japanese I
- [JPNS 117.3](#) Introductory Japanese II
- [LATN 112.3](#) Latin for Beginners I
- [LATN 113.3](#) Latin for Beginners II
- [LING 110.3](#) Introduction to Grammar

- [LING 113.3](#) Language Use in the Digital Era
  - [LING 114.3](#) Indigenous Languages and Stories Introduction to the Structure of Language
  - [LIT 110.3](#) Journeys in Masterpieces of European Languages in English Translation
  - [LIT 111.3](#) Rebellion in Masterpieces of European Languages in English Translation
  - [MUS 101.3](#) Fundamentals of Music I Exploring Foundations
  - [MUS 111.3](#) History of Popular Music
  - [MUS 112.3](#) The History of Country Music
  - [PHIL 110.6](#) Introduction to Philosophy
  - PHIL 115.3
  - [PHIL 120.3](#) Knowledge Mind and Existence
  - [PHIL 121.3](#) Introduction to World Philosophies
  - [PHIL 133.3](#) Introduction to Ethics and Values
  - [PHIL 140.3](#) Critical Thinking
  - [RLST 111.3](#) Asian Religions
  - [RLST 112.3](#) Western Religions in Society and Culture
  - [RLST 113.3](#) Islamic Civilization and Culture
  - [SNSK 114.3](#) Introduction to Sanskrit I
  - SNSK 117.3
  - [SPAN 114.3](#) Elementary Spanish I
  - [SPAN 117.3](#) Elementary Spanish II
  - [UKR 114.3](#) Elementary Ukrainian I
  - [UKR 117.3](#) Elementary Ukrainian II
  - [WGST 112.3](#) Introduction to Womens and Gender Studies
- Any senior-level humanities course provided that the prerequisite is met.
  - CLAS 101, CLAS 103, CLAS 104, CLAS 105, CLAS 107 and CLAS 203 may not be used to fulfill the Humanities requirement.

Choose **3 credit units** of Social Science courses, as defined by the College of Arts & Science:

### Social Sciences

- [ANTH 111.3](#) One World Many Peoples Introduction to Cultural Anthropology
- [ANTH 112.3](#) The Human Journey Introduction to Archaeology and Biological Anthropology
- [ANTH 116.3](#) Introduction to Near Eastern and Classical Archaeology
- [ECON 111.3](#) Introductory Microeconomics
- [ECON 114.3](#) Introductory Macroeconomics
- [GEOG 130.3](#) Environment Health and Planning
- [GEOG 150.3](#) Introduction to the Circumpolar World
- [HLST 110.3](#) Introduction to Health Studies
- [INDG 107.3](#) Introduction to Canadian Indigenous Studies
- [LING 111.3](#) Structure of Language
- [LING 112.3](#) Dynamics of Language
- [LING 113.3](#) Language Use in the Digital Era
- [LING 114.3](#) Indigenous Languages and Stories Introduction to the Structure of Language
- [POLS 110.3](#) Understanding our Globalized World
- [POLS 111.3](#) Politics Power and Government
- [POLS 112.3](#) Justice and Injustice in Politics and Law
- [PSY 120.3](#) Biological and Cognitive Bases of Psychology
- [PSY 121.3](#) Social Clinical Cultural and Developmental Bases of Psychology
- [SOC 111.3](#) Foundations in Sociology Society Structure Process
- [SOC 112.3](#) Foundations in Sociology Social Construction of Everyday Life

- **WGST 112.3** Introduction to Womens and Gender Studies
- Any senior-level social science course provided that the prerequisite is met.
- Statistics courses in social sciences are not eligible for use in this requirement (e.g. PSY 233, PSY 234, SOC 225 and SOC 325).

## College of Education – September 2024 University Course Challenge

The following changes have been approved by the College of Education and are now being submitted to University Course Challenge for approval.

Contact: Arvelle Van Dyck (arvelle.vandyck@usask.ca)

### B.Ed. Early/Middle Years Program – External Course Requirements Social Sciences/Social Studies Requirement

#### **Changes to ANTH courses in the Social Sciences/Social Studies Requirement**

**Rationale:** Effective 2024-2025, all ARCH courses, in the College of Arts and Science's Department of Anthropology were relabeled to the ANTH subject code. In December 2023, the Social Sciences/Social Studies Teaching Area requirements of the Bachelor of Education program routes were updated to reflect the change in course subject codes from ARCH (Archaeology) to ANTH (Anthropology) and the course numbers related thereto. These changes were approved through the University Course Challenge process. The college now proposes the same updates be made for the Social Sciences/Social Studies External Requirements in the B.Ed. – Early/Middle Years program, as follows:

#### **Early/Middle Years – External Course Requirements**

##### **Years 1 and 2 (60 credit units)**

##### **External Course Requirements**

##### English

##### Indigenous Studies

##### Mathematics/Statistics

##### Science

##### Social Sciences/Social Studies

Please Note: not required if Social Sciences/Social Studies or Indigenous Studies is a Teaching Area.

ECON 450.3 Strategic Choice, PSY 233.3 Statistical Methods in Behavioural Sciences A, PSY 234.3 Statistical Methods in Behavioural Sciences B, SOC 225.3 An Introduction to Survey Research and Data Analysis in Sociology and SOC 325.3 Applied Quantitative Research in Sociology cannot be used to fulfill this requirement.

Choose **3 credit units** of Social Sciences/Social Studies:

- ~~ANTH — 100-Level, 200-Level, 300-Level, 400-Level~~
- ANTH 111.3 One World Many Peoples Introduction to Cultural Anthropology
- ANTH 202.3 Anthropology and Indigenous Peoples in Canada
- ANTH 211.3 Cultural Competency in Community Health and Violence Intervention

- ANTH 224.3
- [ANTH 226.3](#) Business and Industrial Anthropology
- [ANTH 227.3](#) Cultures of Central and Eastern Europe
- [ANTH 230.3](#) Cultural Dynamics
- [ANTH 231.3](#) Cross Cultural Perspectives on Health and Illness
- [ANTH 235.3](#) Anthropological Approaches to Ethnicity and Ethnic Groups
- [ANTH 240.3](#) Cultural Landscapes and Environments
- [ANTH 244.3](#) Political Ecology Anthropology and Global Environmental Issues
- [ANTH 302.3](#) The Practice of Ethnography
- [ANTH 304.3](#) Anthropology Research Course
- [ANTH 305.3](#) Anthropology Reading Course
- [ANTH 306.3](#) Anthropology of Disaster and Dislocation
- [ANTH 310.3](#) Anthropology of Gender
- [ANTH 311.3](#) Selected Topics in Anthropology
- [ANTH 321.3](#) Myth Ritual and Symbol
- [ANTH 326.3](#) Applied Anthropology
- [ANTH 329.3](#) Environmental Anthropology
- ANTH 330.3
- [ANTH 332.3](#) Anthropology of Infectious Disease
- ANTH 328.3
- [ANTH 339.3](#) Cultural Change, Globalization and Development
- ANTH 379.3
- ANTH 383.3
- [ANTH 390.3](#) Birth and Sex and Death Anthropological Life Course Perspectives
- [ANTH 400.3](#) Contemporary Issues in Archaeology and Anthropology
- [ANTH 401.3](#) Independent Research in Anthropology
- ANTH 403.3
- ANTH 421.3
- [ANTH 422.3](#) Anthropology in Context Contemporary Influences

- CMRS — 100-Level, 200-Level, 300-Level, 400-Level

- CTST — 100-Level, 200-Level, 300-Level, 400-Level

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## University Course Challenge – September 2024

The curricular revisions listed below were approved through the Graduate Programs Committee of the College of Graduate and Postdoctoral Studies and are now submitted to the University Course Challenge for approval.

Contact: Chelsea Smith, CGPS Academic Affairs Specialist ([chelsea.smith@usask.ca](mailto:chelsea.smith@usask.ca) or [gradprograms.academicaffairs@usask.ca](mailto:gradprograms.academicaffairs@usask.ca))

## EDUCATION

### **Educational Psychology and Special Education**

Master of Education (M.Ed.) Special Education Stream - Course-based

#### **Degree Requirements**

#### **Course-based M.Ed. in Educational Psychology and Special Education (Special Education Stream)**

The course-based route is 30 credit units.

Students must maintain continuous registration, either in a credit course or a tuition bearing maintenance of status.

- [GPS 960.0](#) Introduction to Ethics and Integrity
- [GPS 961.0](#) Ethics and Integrity in Human Research, if research involves human subjects
- [GPS 962.0](#) Ethics and Integrity in Animal Research, if research involves animal subjects
- 9 credit units of electives chosen in consultation with EPSE Graduate Chair
- [EPSE 859.3](#) Seminar in Language and Learning Disability
- [EPSE 868.3](#) Behaviour Disorders Theory and Practice
- [EPSE 888.3](#) Trends and Issues
- [EPSE 990.0](#) Seminar
- [EPSE 993.3](#) Individual Research Assignment in Educational Psychology
- [ERES 800.3](#) Research Methods Introductory
- Two 3-credit unit courses **at the 800-level** in Research Methodology, **chosen in consultation with the Educational Psychology Special Education Department Graduate Chair. one of which must be an ERES course or its equivalent as chosen from the following:** [ERES 840.3](#) Statistical Research Methods, or 3 credit units in Intermediate Statistics as approved by the EPSE department, or **Acceptable courses could include:** [EPSE 843.3](#) Theory of Educational and Psychological Measurement, [EPSE 846.3](#) Quantitative Design and Data Analysis, [ERES 845.3](#) Qualitative Research Methods, [ERES 810.3](#) Indigenous Research Epistemology and Methods. or 3 credit units in Qualitative Research Methods, as approved by the EPSE department.

## PSYCHOLOGY

## Minor Program revisions

### Psychology Doctor of Philosophy (Ph.D.) - Clinical Stream

**Change:** Reduction of required credit units and removal of PSY 903.0

**Rationale:** In December 2019, degree requirement changes to the clinical PhD programs in Psychology we approved, including a reduction of credit units for the master's to PhD transfer program to 36 CU. The department had intended to change the credit unit requirements for the PhD program, but it was missed at the time. The Department of Psychology is proposing to change the required credit units for the standard PhD from 15 credit units to 12 credit units. Students coming into the program with the required MA will need to complete these 12 credit units. Students entering the program without an M.A. in Clinical Psychology from the University of Saskatchewan (or equivalent degree) may be required to complete up to 24 additional credit units. Students required to follow this path will complete 36 credit units, thus aligning the PhD with the transfer from master's to PhD.

Psychology is shifting to house clinical training in-house and is proposing to remove the requirement for PSY 903.0, which focused on community placements. Students will instead complete multiple practicums in PSY 902. This aligns with changes made to the MA program in September 2023.

### Degree Requirements

Students must maintain continuous registration in the 996 course.

- **GPS 960.0** Introduction to Ethics and Integrity
- **GPS 961.0** Ethics and Integrity in Human Research, if research involves human subjects
- **GPS 962.0** Ethics and Integrity in Animal Research, if research involves animal subjects
- **IMPORTANT:** Students entering the program without an M.A. in Clinical Psychology from the University of Saskatchewan (or equivalent degree) may be required to complete additional credit units in order to obtain the Ph.D. in Clinical Psychology, including **PSY 805.3** Statistics I Univariate General Linear Models, **PSY 807.3** Statistics III Multivariate Statistics or **PSY 809.3** Qualitative Research, **PSY 811.3** Program Evaluation, **PSY 813.3** Psychological Assessment I, **PSY 814.3** Psychological Assessment II, **PSY 831.3** Psychopathology and Individual Differences I, **PSY 850.3** Topics in Psychological Therapy I, **PSY 858.3** Ethical and Professional Issues in Clinical Psychology
- Thesis Defence
- comprehensive examination

A minimum of ~~15~~ 12 credit units, including:

- **PSY 841.3** Psychopathology and Individual Differences II
- **PSY 845.3** Clinical Supervision and Consultation
- **PSY 852.3** Topics in Psychological Therapy II
- **PSY 860.3** Learning from Indigenous Cultural Perspectives on Health and Healing
- **PSY 900.0** Directed Research in Psychology
- **PSY 902.0** Practicum in Professional Psychology
- ~~**PSY 903.0** Clerkship or Internship in Professional Psychology~~
- **PSY 904.0** Internship in Clinical Psychology

- **PSY 996.0** Research – Dissertation
- ~~a minimum of 3 credit units of restricted electives as approved by the Director of Clinical Psychology Training~~

### **Psychology Transfer from Master's to PhD - Clinical Stream**

**Change:** Removal of PSY 903.

**Rationale:** Psychology has shifted to house clinical training in-house and is proposing to remove the requirement for PSY 903.0, which focused on community placements. Students will instead complete multiple practicums in PSY 902. This change will align all clinical stream masters and PhD programs.

### **Degree Requirements**

Students must maintain continuous registration in the 996 course.

- **GPS 960.0** Introduction to Ethics and Integrity
- **GPS 961.0** Ethics and Integrity in Human Research, if research involves human subjects
- **GPS 962.0** Ethics and Integrity in Animal Research, if research involves animal subjects
- dissertation defense
- doctoral candidacy assessment

A minimum of 36 credit units of course work, including the following:

- **PSY 805.3** Statistics I Univariate General Linear Models
- **PSY 807.3** Statistics III Multivariate Statistics or **PSY 809.3** Qualitative Research
- **PSY 811.3** Program Evaluation
- **PSY 813.3** Psychological Assessment I
- **PSY 814.3** Psychological Assessment II
- **PSY 831.3** Psychopathology and Individual Differences I
- **PSY 841.3** Psychopathology and Individual Differences II
- **PSY 845.3** Clinical Supervision and Consultation
- **PSY 850.3** Topics in Psychological Therapy I
- **PSY 852.3** Topics in Psychological Therapy II
- **PSY 858.3** Ethical and Professional Issues in Clinical Psychology
- **PSY 860.3** Learning from Indigenous Cultural Perspectives on Health and Healing
- ~~**PSY 900.0** Directed Research in Psychology~~
- **PSY 902.0** Practicum in Professional Psychology
- ~~**PSY 903.0** Clerkship or Internship in Professional Psychology~~
- **PSY 904.0** Internship in Clinical Psychology
- **PSY 996.0** Research – Dissertation
- additional foundational area coursework may be assigned by the Director of Clinical Training to satisfy accreditation requirements

## FOR INFORMATION

### **ANIMAL AND POULTRY SCIENCE**

#### **ANSC 863.3 Advanced Ruminant Nutritional Management**

**Currently offered:** Either Term 1 or Term 2

**Proposed offered:** Term 1, Term 2 and Term 3

### **PUBLIC HEALTH**

#### **PUBH 804.3 - Foundations of Public Health**

**Current Weekly Hours:** n/a

**Proposed Weekly hours:** Lecture: 1.5

**Current Term in which it will be offered:** n/a

**Proposed Term in which it will be offered:** T1 and T2

**Current Prerequisite:** n/a

**Proposed Prerequisite:** School of Public Health (SPH) graduate student or permission of instructor.

**Current Note:** Students with credit for CHEP 804 will not receive credit for this course.

**Proposed Note:** Students who have taken CHEP 804 cannot receive credit for this course.

**Current Calendar Description:** Provides an overview of the field of community health, including health care organization and community-based approaches to health promotion and disease prevention.

**Proposed Calendar Description:** This course provides an overview of the history, principles & foundational values, core competencies, and social determinants of health essential for the practice of public health. The course will also focus using a “public health lens” to further explain theoretical, practical, and professional foundations of public health using a public health conceptual framework from the Canadian Public Health Association.

#### **Rationale for changes:**

The Canadian Public Health Association (CPHA) has provided a multi-disciplinary grounding within a conceptual framework for public health which intertwines theory and practice to solving contemporary public health issues.<sup>1</sup> Using a public health lens this graduate course is designed to include the three core foundations of public health: (1) social and ecological determinants of public health, (2) Health equity, and (3) social justice which then connects to five main building blocks of public health (evidence base, risk assessment, policy, program, and evaluation).<sup>1</sup> Incoming students are provided an opportunity to learn, describe, and apply public health related concepts to address population and community health issues and public health responses related to essential research and practice while applying interdisciplinary building blocks in public health. The new syllabus includes areas of Racial inequities in health, Indigenous and community-based approaches to health and wellness, and risk assessment within the realm of improving population health.

### **JANE AND RON GRAHAM CENTRE FOR THE SCHOLARSHIP OF TEACHING AND LEARNING**

#### **SOTL 801.3 Research Methods in the Scholarship of Teaching and Learning**

**Current Restriction:** Admission to the Master of the Scholarship of Teaching and Learning (M.SoTL.) program is required.

**Proposed Restriction:** Admission to the Masters of the Scholarship of Teaching and Learning or the Graduate Certificate in the Scholarship of Teaching and Learning.

**SOTL 802.3: Historical and Theoretical Foundations of the Scholarship of Teaching and Learning**

**Current Restriction:** Admission to the Master of the Scholarship of Teaching and Learning (M.SoTL.) program is required.

**Proposed Restriction:** Admission to the Masters of the Scholarship of Teaching and Learning or the Graduate Certificate in the Scholarship of Teaching and Learning.

**SOTL 803.3: Reading Research in the Scholarship of Teaching and Learning**

**Current Restriction:** Admission to the Master of the Scholarship of Teaching and Learning (M.SoTL.) program is required.

**Proposed Restriction:** Admission to the Masters of the Scholarship of Teaching and Learning or the Graduate Certificate in the Scholarship of Teaching and Learning.

**SOTL 804.3: Research Experience in the Scholarship of Teaching and Learning**

**Current Restriction:** Admission to the Master of the Scholarship of Teaching and Learning (M.SoTL.) program is required.

**Proposed Restriction:** Admission to the Masters of the Scholarship of Teaching and Learning or the Graduate Certificate in the Scholarship of Teaching and Learning.

**Rationale for changes:** Students enrolled in the Graduate Certificate and the Masters of the Scholarship of Teaching and Learning are the only students eligible to register in the SOTL courses.

**CHEMISTRY**

**CHEM 801.6 Modern Aspects of Chemistry**

**Current Weekly hours:** 9 Lecture hours

**Proposed Weekly hours:** 6 lecture hours

**Rationale:** The current number of lecture hours per week (9) is not commensurate with the typical expectations of a 6-credit unit course. The high workload has led to significant stress, anxiety, and mental health issues among graduate students, particularly international students (who are trying to adapt to new academic norms and life in a new country at the same time). The change will bring the volume of course content more in line with normal expectations.