



OFFICE OF THE ASSOCIATE VICE-PRESIDENT, ACADEMIC

8888 University Drive,
Burnaby, BC
Canada V5A 1S6

TEL: 778.782.6654
FAX: 778.782.5876

avpacad@sfu.ca
www.sfu.ca/vpacademic

MEMORANDUM

ATTENTION Senate
FROM Wade Parkhouse, Chair
Senate Committee on Undergraduate
Studies
RE: Course Changes (SCUS 22-18)

DATE March 4, 2022

PAGES 1/3

For information:

Acting under delegated authority at its meeting of March 3, 2022 SCUS approved the following curriculum revisions effective Fall 2022.

a. Faculty of Applied Sciences1. School of Engineering Science

(i) Prerequisite change for ENSC 413

2. School of Sustainable Energy Engineering

(i) Title change for SEE 352

b. Faculty of Arts and Social Sciences1. School of Criminology

(i) Description and equivalent statement change for CRIM 340

(ii) Description, equivalent statement and prerequisite change for CRIM 441

2. Department of Economics

- (i) Prerequisite changes for ECON 201, 222, 260, 280, 290, 291, 310, 329, 333, 334, 342, 345, 354, 355W, 362, 370, 372 and 390

3. Department of Indigenous Studies

- (i) Title, prerequisite and description change for INDG 327
- (ii) Prerequisite change for INDG 333
- (iii) Title, description and prerequisite changes for INDG 401
- (iv) Equivalency statement change for INDG 410

4. School for International Studies

- (i) Description and prerequisite change for IS 428

5. Department of Philosophy

- (i) Prerequisite changes for PHIL 320, 321, 322, 326, 327, 328 and 329

6. Department of Political Science

- (i) Description change for POL 451W

7. Department of Psychology

- (i) Temporarily withdraw PSYC 389

c. Beedie School of Business

- (i) Prerequisite change for BUS 207 and 468

d. Faculty of Communication, Art and Technology

1. School of Communication

- (i) Temporarily withdraw CMNS 323W

e. Faculty of Environment

1. Department of Geography

- (i) Deletion of GEOG 322, 322W and 428

f. Faculty of Health Sciences

- (i) Title and description change for HSCI 338
- (ii) Prerequisite change for HSCI 440 and 475

g. Faculty of Science

1. Department of Biomedical Physiology and Kinesiology

(i) Prerequisite change for BPK 417

2. Department of Mathematics

(i) Title, prerequisite, and description change for MATH 154

(ii) Title and description change for MATH 155

3. Department of Statistics and Actuarial Sciences

(i) Prerequisite change for STAT 240, 260, 261, 302, 305, 310 and 311

Senators wishing to consult a more detailed report of curriculum revisions may do so on the Senate Docushare repository at <https://docushare.sfu.ca/dsweb/View/Collection-12682>.

COURSE SUBJECT	ENSC	NUMBER	413	TITLE	Deep Learning Systems in Engineering
-----------------------	------	---------------	-----	--------------	--------------------------------------

TYPE OF CHANGES. Please type 'X' for the appropriate revision(s):

Course number	<input type="checkbox"/>	Units	<input type="checkbox"/>	Prerequisite	<input checked="" type="checkbox"/>
Title	<input type="checkbox"/>	Description	<input type="checkbox"/>	Equivalent Statement	<input type="checkbox"/>

WORDING/DESCRIPTION EDITS. Indicate deleted or changed text using ~~strike through~~, indicate added or new text using underline. If you need to enter more text than the box allows, drag the endpoint of the text box to make it bigger, as it will not automatically expand. Please review the "Equivalency statements" section under [Information about specific course components](#) if changing equivalent statement(s).

Machine learning basics, generalization theory, training, validation, and testing. Introduction to artificial neural networks: feedforward, convolutional, recurrent networks. Types of layers in deep models. Architectural and memory calculations. Regularization and optimization. Hardware architectures for deep learning. The course culminates in a major project focusing on engineering applications of deep learning. Prerequisite: ~~MATH 251, ENSC 280, ENSC 351, ENSC 380~~, all with a minimum grade of C- B. Students with credit for ~~ENSC 813~~ may not take this course for further credit.

EFFECTIVE TERM AND YEAR FOR CHANGES

Fall, Spring, Summer and year (please enter in textbox)

Fall 2022

RATIONALE (must be included)

ENSC 413 was created as an undergraduate version of our graduate course ENSC 813 (Deep Learning Systems in Engineering). The course shares lectures with ENSC 813 and covers advanced concepts in deep learning theory and applications. For undergraduate students to be able to follow these graduate-level lectures, they need to have strong background in vector calculus (MATH 251), probability and statistics (ENSC 280), signals and systems (ENSC 380) and real-time software (ENSC 351). Here, “strong background” does not mean “merely passing” – the students really need to have strong command of the foundational knowledge, otherwise they would be set up for failure in ENSC 413. This is the reason we require a minimum of B in the prerequisite courses.

COURSE SUBJECT	SEE	NUMBER	352	TITLE	Power Generation and Conversion
-----------------------	-----	---------------	-----	--------------	---------------------------------

TYPE OF CHANGES. Please type 'X' for the appropriate revision(s):

Course number	<input type="checkbox"/>	Units	<input type="checkbox"/>	Prerequisite	<input type="checkbox"/>
Title	<input checked="" type="checkbox"/>	Description	<input type="checkbox"/>	Equivalent Statement	<input type="checkbox"/>

WORDING/DESCRIPTION EDITS. Indicate deleted or changed text using ~~strike through~~, indicate added or new text using underline. If you need to enter more text than the box allows, drag the endpoint of the text box to make it bigger, as it will not automatically expand. Please review the "Equivalency statements" section under [Information about specific course components](#) if changing equivalent statement(s).

~~Power Generation and Conversion~~ Applied Thermodynamics and Energy Conversion SEE 352 (3)
Application of thermodynamics, chemistry, and transport physics to energy conversion technologies and systems. Analysis of energy conversion systems with emphasis on efficiency, performance, and environmental impact. Prerequisite: SEE 222, SEE 224, SEE 331.

EFFECTIVE TERM AND YEAR FOR CHANGES

Fall, Spring, Summer and year (please enter in textbox)

Fall 2022

RATIONALE (must be included)

The current course title can cause confusion and give the impression that it covers topics such as electrical power conversion systems. The proposed title is more descriptive of the course content, i.e., energy conversion in thermodynamics cycles.

COURSE SUBJECT	CRIM	NUMBER	340	TITLE	Criminal justice policymaking and policy analysis
-----------------------	------	---------------	-----	--------------	---

TYPE OF CHANGES. Please type 'X' for the appropriate revision(s):

Course number	<input type="checkbox"/>	Units	<input type="checkbox"/>	Prerequisite	<input type="checkbox"/>
Title	<input type="checkbox"/>	Description	<input checked="" type="checkbox"/>	Equivalent Statement	<input checked="" type="checkbox"/>

WORDING/DESCRIPTION EDITS. Indicate deleted or changed text using strike through, indicate added or new text using underline. If you need to enter more text than the box allows, drag the endpoint of the text box to make it bigger, as it will not automatically expand. Please review the "Equivalency statements" section under [Information about specific course components](#) if changing equivalent statement(s).

~~Examines alternative approaches to developing and evaluating public policy in criminology through the use of case studies. Prerequisite: CRIM 101 and 220. Students with credit for CRIM 415 under this topic may not take this course for further credit.~~

An applied course exploring criminology/criminal justice policy problems and how to identify effective solutions for decisionmakers. Uses case studies and a variety of in-class examples to practice the various steps involved in policy analysis. Prerequisite: CRIM 101 and 220

EFFECTIVE TERM AND YEAR FOR CHANGES

Fall, Spring, Summer and year (please enter in textbox)

Fall 2022

RATIONALE (must be included)

Outdated and not sufficiently descriptive

COURSE SUBJECT	CRIM	NUMBER	441	TITLE	Preventing crime and antisocial behaviour: Designing & evaluating programs
-----------------------	------	---------------	-----	--------------	---

TYPE OF CHANGES. Please type 'X' for the appropriate revision(s):

Course number	<input type="checkbox"/>	Units	<input type="checkbox"/>	Prerequisite	<input checked="" type="checkbox"/>
Title	<input type="checkbox"/>	Description	<input checked="" type="checkbox"/>	Equivalent Statement	<input checked="" type="checkbox"/>

WORDING/DESCRIPTION EDITS. Indicate deleted or changed text using strike through, indicate added or new text using underline. If you need to enter more text than the box allows, drag the endpoint of the text box to make it bigger, as it will not automatically expand. Please review the "Equivalency statements" section under [Information about specific course components](#) if changing equivalent statement(s).

An applied course in which students will develop skills learn to design and evaluate evidence-based prevention and intervention programs targeting the prevention or reduction of specific criminal and antisocial behaviours. Examples of include programs include those targeting: gangs; adolescent drug use; bullying; aggression; school drop out; child sexual abuse; domestic intimate partner violence; online piracy, cybercrime, recidivism, distracted driving, dating violence, and gambling addiction. Prerequisite: ~~CRIM 101 and CRIM 220.~~ Students who took CRIM 417 Current Issues in Criminology and Criminal Justice Preventing Crime & Antisocial Behaviour in Fall 2013 may not take this course for further credit.

EFFECTIVE TERM AND YEAR FOR CHANGES

Fall, Spring, Summer and year (please enter in textbox)

Fall 2022

RATIONALE (must be included)

Outdated

COURSE SUBJECT	ECON	NUMBER	201	TITLE	Microeconomic Theory I: Competitive Behavior
-----------------------	------	---------------	-----	--------------	---

TYPE OF CHANGES. Please type 'X' for the appropriate revision(s):

Course number	<input type="checkbox"/>	Units	<input type="checkbox"/>	Prerequisite	<input checked="" type="checkbox"/>
Title	<input type="checkbox"/>	Description	<input type="checkbox"/>	Equivalent Statement	<input type="checkbox"/>

WORDING/DESCRIPTION EDITS. Indicate deleted or changed text using ~~strike through~~, indicate added or new text using underline. If you need to enter more text than the box allows, drag the endpoint of the text box to make it bigger, as it will not automatically expand. Please review the "Equivalency statements" section under [Information about specific course components](#) if changing equivalent statement(s).

~~ECON 103 and 105, with a minimum grade of C-; ECON 103 with a minimum grade of C- or ECON 113 with a minimum grade of A-; ECON 105 with a minimum grade of C- or ECON 115 with a minimum grade of A-; MATH 157 with a minimum grade of C-.~~

EFFECTIVE TERM AND YEAR FOR CHANGES

Fall, Spring, Summer and year (please enter in textbox)

Fall 2022

RATIONALE (must be included)

ECON 113 and ECON 115 are new courses that provide the intuitive fundamentals of micro/macroeconomic literacy through accessible language and graphs. Students who intend to complete a program in Economics are advised to take Econ 103 and 105. However, students can substitute either or both course by completing Econ 113 and/or Econ 115, respectively, with a minimum grade of A- on the first attempt.

In order to ensure students who enter our programs through this pathway can continue to complete courses, the prerequisites for courses that previously required 103/105 need to be changed.

COURSE SUBJECT NUMBER TITLE

TYPE OF CHANGES. Please type 'X' for the appropriate revision(s):

Course number Units Prerequisite

Title Description Equivalent Statement

WORDING/DESCRIPTION EDITS. Indicate deleted or changed text using ~~strike through~~, indicate added or new text using underline. If you need to enter more text than the box allows, drag the endpoint of the text box to make it bigger, as it will not automatically expand. Please review the "Equivalency statements" section under [Information about specific course components](#) if changing equivalent statement(s).

ECON 103 or MATH 157, with a minimum grade of C-, or ECON 113 with a minimum grade of A-.

EFFECTIVE TERM AND YEAR FOR CHANGES

Fall, Spring, Summer and year (please enter in textbox)

RATIONALE (must be included)

ECON 113 and ECON 115 are new courses that provide the intuitive fundamentals of micro/macroeconomic literacy through accessible language and graphs. Students who intend to complete a program in Economics are advised to take Econ 103 and 105. However, students can substitute either or both course by completing Econ 113 and/or Econ 115, respectively, with a minimum grade of A- on the first attempt.

In order to ensure students who enter our programs through this pathway can continue to complete courses, the prerequisites for courses that previously required 103/105 need to be changed.

COURSE SUBJECT NUMBER TITLE

TYPE OF CHANGES. Please type 'X' for the appropriate revision(s):

Course number Units Prerequisite

Title Description Equivalent Statement

WORDING/DESCRIPTION EDITS. Indicate deleted or changed text using strike through, indicate added or new text using underline. If you need to enter more text than the box allows, drag the endpoint of the text box to make it bigger, as it will not automatically expand. Please review the "Equivalency statements" section under [Information about specific course components](#) if changing equivalent statement(s).

ECON 103 ~~or 200~~, with a minimum grade of C- ~~or ECON 113 with a minimum grade of A-~~

EFFECTIVE TERM AND YEAR FOR CHANGES

Fall, Spring, Summer and year (please enter in textbox)

RATIONALE (must be included)

ECON 113 and ECON 115 are new courses that provide the intuitive fundamentals of micro/macroeconomic literacy through accessible language and graphs. Students who intend to complete a program in Economics are advised to take Econ 103 and 105. However, students can substitute either or both course by completing Econ 113 and/or Econ 115, respectively, with a minimum grade of A- on the first attempt.

In order to ensure students who enter our programs through this pathway can continue to complete courses, the prerequisites for courses that previously required 103/105 need to be changed.

COURSE SUBJECT **NUMBER** **TITLE**

TYPE OF CHANGES. Please type 'X' for the appropriate revision(s):

Course number Units Prerequisite

Title Description Equivalent Statement

WORDING/DESCRIPTION EDITS. Indicate deleted or changed text using ~~strike through~~, indicate added or new text using underline. If you need to enter more text than the box allows, drag the endpoint of the text box to make it bigger, as it will not automatically expand. Please review the "Equivalency statements" section under [Information about specific course components](#) if changing equivalent statement(s).

~~ECON 103 or 200, with a minimum grade of C-~~ ECON 103 with a minimum grade of C- or ECON 113 with a minimum grade of A-

EFFECTIVE TERM AND YEAR FOR CHANGES

Fall, Spring, Summer and year (please enter in textbox)

RATIONALE (must be included)

ECON 113 and ECON 115 are new courses that provide the intuitive fundamentals of micro/macroeconomic literacy through accessible language and graphs. Students who intend to complete a program in Economics are advised to take Econ 103 and 105. However, students can substitute either or both course by completing Econ 113 and/or Econ 115, respectively, with a minimum grade of A- on the first attempt.

In order to ensure students who enter our programs through this pathway can continue to complete courses, the prerequisites for courses that previously required 103/105 need to be changed.

COURSE SUBJECT	ECON	NUMBER	290	TITLE	Canadian Microeconomic Policy
-----------------------	------	---------------	-----	--------------	-------------------------------

TYPE OF CHANGES. Please type 'X' for the appropriate revision(s):

Course number	<input type="checkbox"/>	Units	<input type="checkbox"/>	Prerequisite	<input checked="" type="checkbox"/>
Title	<input type="checkbox"/>	Description	<input type="checkbox"/>	Equivalent Statement	<input type="checkbox"/>

WORDING/DESCRIPTION EDITS. Indicate deleted or changed text using ~~strike through~~, indicate added or new text using underline. If you need to enter more text than the box allows, drag the endpoint of the text box to make it bigger, as it will not automatically expand. Please review the "Equivalency statements" section under [Information about specific course components](#) if changing equivalent statement(s).

Prerequisite: ECON 103, with a minimum grade of C-; or ECON 113 with a minimum grade of A-.

EFFECTIVE TERM AND YEAR FOR CHANGES

Fall, Spring, Summer and year (please enter in textbox)

Fall 2022

RATIONALE (must be included)

ECON 113 and ECON 115 are new courses that provide the intuitive fundamentals of micro/macroeconomic literacy through accessible language and graphs. Students who intend to complete a program in Economics are advised to take Econ 103 and 105. However, students can substitute either or both course by completing Econ 113 and/or Econ 115, respectively, with a minimum grade of A- on the first attempt.

In order to ensure students who enter our programs through this pathway can continue to complete courses, the prerequisites for courses that previously required 103/105 need to be changed.

COURSE SUBJECT	ECON	NUMBER	291	TITLE	Canadian Macroeconomic Policy
-----------------------	------	---------------	-----	--------------	-------------------------------

TYPE OF CHANGES. Please type 'X' for the appropriate revision(s):

Course number	<input type="checkbox"/>	Units	<input type="checkbox"/>	Prerequisite	<input checked="" type="checkbox"/>
Title	<input type="checkbox"/>	Description	<input type="checkbox"/>	Equivalent Statement	<input type="checkbox"/>

WORDING/DESCRIPTION EDITS. Indicate deleted or changed text using ~~strike through~~, indicate added or new text using underline. If you need to enter more text than the box allows, drag the endpoint of the text box to make it bigger, as it will not automatically expand. Please review the "Equivalency statements" section under [Information about specific course components](#) if changing equivalent statement(s).

Prerequisite: ECON 103 with a minimum grade of C- or ECON 113 with a minimum grade of A-; ~~and ECON 105, all with a minimum grade of C-~~ with a minimum grade of C- or ECON 115 with a minimum grade of A-.

EFFECTIVE TERM AND YEAR FOR CHANGES

Fall, Spring, Summer and year (please enter in textbox)

Fall 2022

RATIONALE (must be included)

ECON 113 and ECON 115 are new courses that provide the intuitive fundamentals of micro/macroeconomic literacy through accessible language and graphs. Students who intend to complete a program in Economics are advised to take Econ 103 and 105. However, students can substitute either or both course by completing Econ 113 and/or Econ 115, respectively, with a minimum grade of A- on the first attempt.

In order to ensure students who enter our programs through this pathway can continue to complete courses, the prerequisites for courses that previously required 103/105 need to be changed.

COURSE SUBJECT NUMBER TITLE

TYPE OF CHANGES. Please type 'X' for the appropriate revision(s):

Course number Units Prerequisite

Title Description Equivalent Statement

WORDING/DESCRIPTION EDITS. Indicate deleted or changed text using ~~strike through~~, indicate added or new text using underline. If you need to enter more text than the box allows, drag the endpoint of the text box to make it bigger, as it will not automatically expand. Please review the "Equivalency statements" section under [Information about specific course components](#) if changing equivalent statement(s).

~~ECON 103 and 105, with a minimum grade of C-; ECON 103 with a minimum grade of C- or ECON 113 with a minimum grade of A-; ECON 105 with a minimum grade of C- or ECON 115 with a minimum grade of A-; 60 units.~~

EFFECTIVE TERM AND YEAR FOR CHANGES

Fall, Spring, Summer and year (please enter in textbox)

RATIONALE (must be included)

ECON 113 and ECON 115 are new courses that provide the intuitive fundamentals of micro/macroeconomic literacy through accessible language and graphs. Students who intend to complete a program in Economics are advised to take Econ 103 and 105. However, students can substitute either or both course by completing Econ 113 and/or Econ 115, respectively, with a minimum grade of A- on the first attempt.

In order to ensure students who enter our programs through this pathway can continue to complete courses, the prerequisites for courses that previously required 103/105 need to be changed.

COURSE SUBJECT NUMBER TITLE

TYPE OF CHANGES. Please type 'X' for the appropriate revision(s):

Course number Units Prerequisite

Title Description Equivalent Statement

WORDING/DESCRIPTION EDITS. Indicate deleted or changed text using strike through, indicate added or new text using underline. If you need to enter more text than the box allows, drag the endpoint of the text box to make it bigger, as it will not automatically expand. Please review the "Equivalency statements" section under [Information about specific course components](#) if changing equivalent statement(s).

~~ECON 103 and ECON 105, with a minimum grade of C-~~ ECON 103 with a minimum grade of C- or ECON 113 with a minimum grade of A-; ECON 105 with a minimum grade of C- or ECON 115 with a minimum grade of A-

EFFECTIVE TERM AND YEAR FOR CHANGES

Fall, Spring, Summer and year (please enter in textbox)

RATIONALE (must be included)

ECON 113 and ECON 115 are new courses that provide the intuitive fundamentals of micro/macroeconomic literacy through accessible language and graphs. Students who intend to complete a program in Economics are advised to take Econ 103 and 105. However, students can substitute either or both course by completing Econ 113 and/or Econ 115, respectively, with a minimum grade of A- on the first attempt.

In order to ensure students who enter our programs through this pathway can continue to complete courses, the prerequisites for courses that previously required 103/105 need to be changed.

COURSE SUBJECT	ECON	NUMBER	333	TITLE	Statistical Analysis of Economic Data
-----------------------	------	---------------	-----	--------------	---------------------------------------

TYPE OF CHANGES. Please type 'X' for the appropriate revision(s):

Course number	<input type="checkbox"/>	Units	<input type="checkbox"/>	Prerequisite	<input checked="" type="checkbox"/>
Title	<input type="checkbox"/>	Description	<input type="checkbox"/>	Equivalent Statement	<input type="checkbox"/>

WORDING/DESCRIPTION EDITS. Indicate deleted or changed text using ~~strike through~~, indicate added or new text using underline. If you need to enter more text than the box allows, drag the endpoint of the text box to make it bigger, as it will not automatically expand. Please review the "Equivalency statements" section under [Information about specific course components](#) if changing equivalent statement(s).

ECON 103; with a minimum grade of C- or ECON 113 with a minimum grade of A-; ECON 105; with a minimum grade of C- or ECON 115 with a minimum grade of A-; ECON 233, or BUS (or BUEC) 232 or STAT 270, MATH 157, all with a minimum grade of C-; 60 units. Students with a minimum grade of A- in ECON 233, BUS (or BUEC) 232 or STAT 270 can take ECON 333 after 30 units. Students seeking permission to enroll based on their ECON 233, BUS (or BUEC) 232 or STAT 270 grade must contact the Undergraduate Advisor in Economics.

EFFECTIVE TERM AND YEAR FOR CHANGES

Fall, Spring, Summer and year (please enter in textbox)

Fall 2022

RATIONALE (must be included)

ECON 113 and ECON 115 are new courses that provide the intuitive fundamentals of micro/macroeconomic literacy through accessible language and graphs. Students who intend to complete a program in Economics are advised to take Econ 103 and 105. However, students can substitute either or both course by completing Econ 113 and/or Econ 115, respectively, with a minimum grade of A- on the first attempt.

In order to ensure students who enter our programs through this pathway can continue to complete courses, the prerequisites for courses that previously required 103/105 need to be changed.

COURSE SUBJECT	ECON	NUMBER	334	TITLE	Data Visualization and Economic Analysis
-----------------------	------	---------------	-----	--------------	---

TYPE OF CHANGES. Please type 'X' for the appropriate revision(s):

Course number	<input type="checkbox"/>	Units	<input type="checkbox"/>	Prerequisite	<input checked="" type="checkbox"/>
Title	<input type="checkbox"/>	Description	<input type="checkbox"/>	Equivalent Statement	<input type="checkbox"/>

WORDING/DESCRIPTION EDITS. Indicate deleted or changed text using ~~strike through~~, indicate added or new text using underline. If you need to enter more text than the box allows, drag the endpoint of the text box to make it bigger, as it will not automatically expand. Please review the "Equivalency statements" section under [Information about specific course components](#) if changing equivalent statement(s).

ECON 233 or BUS 232 or STAT 270 or POL 201, with a minimum grade of C-; ~~ECON 103 or ECON 105, all with a minimum grade of C-~~ ECON 103 with a minimum grade of C-, or ECON 113 with a minimum grade of A-, or ECON 105 with a minimum grade of C-, or ECON 115 with a minimum grade of A-.

EFFECTIVE TERM AND YEAR FOR CHANGES

Fall, Spring, Summer and year (please enter in textbox)

Fall 2022

RATIONALE (must be included)

ECON 113 and ECON 115 are new courses that provide the intuitive fundamentals of micro/macroeconomic literacy through accessible language and graphs. Students who intend to complete a program in Economics are advised to take Econ 103 and 105. However, students can substitute either or both course by completing Econ 113 and/or Econ 115, respectively, with a minimum grade of A- on the first attempt.

In order to ensure students who enter our programs through this pathway can continue to complete courses, the prerequisites for courses that previously required 103/105 need to be changed.

COURSE SUBJECT NUMBER TITLE

TYPE OF CHANGES. Please type 'X' for the appropriate revision(s):

Course number Units Prerequisite

Title Description Equivalent Statement

WORDING/DESCRIPTION EDITS. Indicate deleted or changed text using strike-through, indicate added or new text using underline. If you need to enter more text than the box allows, drag the endpoint of the text box to make it bigger, as it will not automatically expand. Please review the "Equivalency statements" section under [Information about specific course components](#) if changing equivalent statement(s).

ECON 103 and 105, all with a minimum grade of C-; ECON 103 with a minimum grade of C- or ECON 113 with a minimum grade of A-; ECON 105 with a minimum grade of C- or ECON 115 with a minimum grade of A-; 60 units or permission of the department

EFFECTIVE TERM AND YEAR FOR CHANGES

Fall, Spring, Summer and year (please enter in textbox)

RATIONALE (must be included)

ECON 113 and ECON 115 are new courses that provide the intuitive fundamentals of micro/macroeconomic literacy through accessible language and graphs. Students who intend to complete a program in Economics are advised to take Econ 103 and 105. However, students can substitute either or both course by completing Econ 113 and/or Econ 115, respectively, with a minimum grade of A- on the first attempt.

In order to ensure students who enter our programs through this pathway can continue to complete courses, the prerequisites for courses that previously required 103/105 need to be changed.

COURSE SUBJECT NUMBER TITLE

TYPE OF CHANGES. Please type 'X' for the appropriate revision(s):

Course number Units Prerequisite

Title Description Equivalent Statement

WORDING/DESCRIPTION EDITS. Indicate deleted or changed text using strike-through, indicate added or new text using underline. If you need to enter more text than the box allows, drag the endpoint of the text box to make it bigger, as it will not automatically expand. Please review the "Equivalency statements" section under [Information about specific course components](#) if changing equivalent statement(s).

ECON 103 and 105, all with a minimum grade of C-; ECON 103 with a minimum grade of C- or ECON 113 with a minimum grade of A-; ECON 105 with a minimum grade of C- or ECON 115 with a minimum grade of A-; 60 units or permission of the department

EFFECTIVE TERM AND YEAR FOR CHANGES

Fall, Spring, Summer and year (please enter in textbox)

RATIONALE (must be included)

ECON 113 and ECON 115 are new courses that provide the intuitive fundamentals of micro/macroeconomic literacy through accessible language and graphs. Students who intend to complete a program in Economics are advised to take Econ 103 and 105. However, students can substitute either or both course by completing Econ 113 and/or Econ 115, respectively, with a minimum grade of A- on the first attempt.

In order to ensure students who enter our programs through this pathway can continue to complete courses, the prerequisites for courses that previously required 103/105 need to be changed.

COURSE SUBJECT	ECON	NUMBER	354	TITLE	Comparative Economic Institutions
-----------------------	------	---------------	-----	--------------	-----------------------------------

TYPE OF CHANGES. Please type 'X' for the appropriate revision(s):

Course number	<input type="checkbox"/>	Units	<input type="checkbox"/>	Prerequisite	<input checked="" type="checkbox"/>
Title	<input type="checkbox"/>	Description	<input type="checkbox"/>	Equivalent Statement	<input type="checkbox"/>

WORDING/DESCRIPTION EDITS. Indicate deleted or changed text using ~~strike through~~, indicate added or new text using underline. If you need to enter more text than the box allows, drag the endpoint of the text box to make it bigger, as it will not automatically expand. Please review the "Equivalency statements" section under [Information about specific course components](#) if changing equivalent statement(s).

~~ECON 103 and 105, with a minimum grade of C-; ECON 103 with a minimum grade of C- or ECON 113 with a minimum grade of A-; ECON 105 with a minimum grade of C- or ECON 115 with a minimum grade of A-; 60 units.~~

EFFECTIVE TERM AND YEAR FOR CHANGES

Fall, Spring, Summer and year (please enter in textbox)

Fall 2022

RATIONALE (must be included)

ECON 113 and ECON 115 are new courses that provide the intuitive fundamentals of micro/macroeconomic literacy through accessible language and graphs. Students who intend to complete a program in Economics are advised to take Econ 103 and 105. However, students can substitute either or both course by completing Econ 113 and/or Econ 115, respectively, with a minimum grade of A- on the first attempt.

In order to ensure students who enter our programs through this pathway can continue to complete courses, the prerequisites for courses that previously required 103/105 need to be changed.

COURSE SUBJECT NUMBER TITLE

TYPE OF CHANGES. Please type 'X' for the appropriate revision(s):

Course number Units Prerequisite

Title Description Equivalent Statement

WORDING/DESCRIPTION EDITS. Indicate deleted or changed text using ~~strike through~~, indicate added or new text using underline. If you need to enter more text than the box allows, drag the endpoint of the text box to make it bigger, as it will not automatically expand. Please review the "Equivalency statements" section under [Information about specific course components](#) if changing equivalent statement(s).

~~ECON 103 and 105, all with a minimum grade of C-; ECON 103 with a minimum grade of C- or ECON 113 with a minimum grade of A-; ECON 105 with a minimum grade of C- or ECON 115 with a minimum grade of A-; 60 units.~~

EFFECTIVE TERM AND YEAR FOR CHANGES

Fall, Spring, Summer and year (please enter in textbox)

RATIONALE (must be included)

ECON 113 and ECON 115 are new courses that provide the intuitive fundamentals of micro/macroeconomic literacy through accessible language and graphs. Students who intend to complete a program in Economics are advised to take Econ 103 and 105. However, students can substitute either or both course by completing Econ 113 and/or Econ 115, respectively, with a minimum grade of A- on the first attempt.

In order to ensure students who enter our programs through this pathway can continue to complete courses, the prerequisites for courses that previously required 103/105 need to be changed.

COURSE SUBJECT	ECON	NUMBER	362	TITLE	Economics of Natural Resources
-----------------------	------	---------------	-----	--------------	--------------------------------

TYPE OF CHANGES. Please type 'X' for the appropriate revision(s):

Course number	<input type="checkbox"/>	Units	<input type="checkbox"/>	Prerequisite	<input checked="" type="checkbox"/>
Title	<input type="checkbox"/>	Description	<input type="checkbox"/>	Equivalent Statement	<input type="checkbox"/>

WORDING/DESCRIPTION EDITS. Indicate deleted or changed text using ~~strike through~~, indicate added or new text using underline. If you need to enter more text than the box allows, drag the endpoint of the text box to make it bigger, as it will not automatically expand. Please review the "Equivalency statements" section under [Information about specific course components](#) if changing equivalent statement(s).

~~ECON 103 and 105, with a minimum grade of C-; ECON 103 with a minimum grade of C- or ECON 113 with a minimum grade of A-; ECON 105 with a minimum grade of C- or ECON 115 with a minimum grade of A-; 60 units.~~

EFFECTIVE TERM AND YEAR FOR CHANGES

Fall, Spring, Summer and year (please enter in textbox)

Fall 2022

RATIONALE (must be included)

ECON 113 and ECON 115 are new courses that provide the intuitive fundamentals of micro/macroeconomic literacy through accessible language and graphs. Students who intend to complete a program in Economics are advised to take Econ 103 and 105. However, students can substitute either or both course by completing Econ 113 and/or Econ 115, respectively, with a minimum grade of A- on the first attempt.

In order to ensure students who enter our programs through this pathway can continue to complete courses, the prerequisites for courses that previously required 103/105 need to be changed.

COURSE SUBJECT NUMBER TITLE

TYPE OF CHANGES. Please type 'X' for the appropriate revision(s):

Course number Units Prerequisite
 Title Description Equivalent Statement

WORDING/DESCRIPTION EDITS. Indicate deleted or changed text using strike through, indicate added or new text using underline. If you need to enter more text than the box allows, drag the endpoint of the text box to make it bigger, as it will not automatically expand. Please review the "Equivalency statements" section under [Information about specific course components](#) if changing equivalent statement(s).

~~ECON 103 and ECON 105, with a minimum grade of C-~~ ECON 103 with a minimum grade of C- or ECON 113 with a minimum grade of A-; ECON 105 with a minimum grade of C- or ECON 115 with a minimum grade of A-

EFFECTIVE TERM AND YEAR FOR CHANGES

Fall, Spring, Summer and year (please enter in textbox)

RATIONALE (must be included)

ECON 113 and ECON 115 are new courses that provide the intuitive fundamentals of micro/macroeconomic literacy through accessible language and graphs. Students who intend to complete a program in Economics are advised to take Econ 103 and 105. However, students can substitute either or both course by completing Econ 113 and/or Econ 115, respectively, with a minimum grade of A- on the first attempt.

In order to ensure students who enter our programs through this pathway can continue to complete courses, the prerequisites for courses that previously required 103/105 need to be changed.

COURSE SUBJECT	ECON	NUMBER	372	TITLE	The Economics of Globalization
-----------------------	------	---------------	-----	--------------	--------------------------------

TYPE OF CHANGES. Please type 'X' for the appropriate revision(s):

Course number	<input type="checkbox"/>	Units	<input type="checkbox"/>	Prerequisite	<input checked="" type="checkbox"/>
Title	<input type="checkbox"/>	Description	<input type="checkbox"/>	Equivalent Statement	<input type="checkbox"/>

WORDING/DESCRIPTION EDITS. Indicate deleted or changed text using ~~strike through~~, indicate added or new text using underline. If you need to enter more text than the box allows, drag the endpoint of the text box to make it bigger, as it will not automatically expand. Please review the "Equivalency statements" section under [Information about specific course components](#) if changing equivalent statement(s).

~~ECON 103 and 105, with a minimum grade of C-; ECON 103 with a minimum grade of C- or ECON 113 with a minimum grade of A-; ECON 105 with a minimum grade of C- or ECON 115 with a minimum grade of A-; 60 units.~~

EFFECTIVE TERM AND YEAR FOR CHANGES

Fall, Spring, Summer and year (please enter in textbox)

Fall 2022

RATIONALE (must be included)

ECON 113 and ECON 115 are new courses that provide the intuitive fundamentals of micro/macroeconomic literacy through accessible language and graphs. Students who intend to complete a program in Economics are advised to take Econ 103 and 105. However, students can substitute either or both course by completing Econ 113 and/or Econ 115, respectively, with a minimum grade of A- on the first attempt.

In order to ensure students who enter our programs through this pathway can continue to complete courses, the prerequisites for courses that previously required 103/105 need to be changed.

COURSE SUBJECT NUMBER TITLE

TYPE OF CHANGES. Please type 'X' for the appropriate revision(s):

Course number Units Prerequisite

Title Description Equivalent Statement

WORDING/DESCRIPTION EDITS. Indicate deleted or changed text using ~~strike through~~, indicate added or new text using underline. If you need to enter more text than the box allows, drag the endpoint of the text box to make it bigger, as it will not automatically expand. Please review the "Equivalency statements" section under [Information about specific course components](#) if changing equivalent statement(s).

~~ECON 103 and 105, with a minimum grade of C-; ECON 103 with a minimum grade of C- or ECON 113 with a minimum grade of A-; ECON 105 with a minimum grade of C- or ECON 115 with a minimum grade of A-; 60 units.~~

EFFECTIVE TERM AND YEAR FOR CHANGES

Fall, Spring, Summer and year (please enter in textbox)

RATIONALE (must be included)

ECON 113 and ECON 115 are new courses that provide the intuitive fundamentals of micro/macroeconomic literacy through accessible language and graphs. Students who intend to complete a program in Economics are advised to take Econ 103 and 105. However, students can substitute either or both course by completing Econ 113 and/or Econ 115, respectively, with a minimum grade of A- on the first attempt.

In order to ensure students who enter our programs through this pathway can continue to complete courses, the prerequisites for courses that previously required 103/105 need to be changed.

COURSE SUBJECT **NUMBER** **TITLE**

TYPE OF CHANGES. Please type 'X' for the appropriate revision(s):

Course number	<input type="checkbox"/>	Units	<input type="checkbox"/>	Prerequisite	<input checked="" type="checkbox"/>
Title	<input checked="" type="checkbox"/>	Description	<input checked="" type="checkbox"/>	Equivalent Statement	<input type="checkbox"/>

WORDING/DESCRIPTION EDITS. Indicate deleted or changed text using ~~strike-through~~, indicate added or new text using underline. If you need to enter more text than the box allows, drag the endpoint of the text box to make it bigger, as it will not automatically expand. Please review the "Equivalency statements" section under [Information about specific course components](#) if changing equivalent statement(s).

~~Aboriginal~~ Indigenous Women in Canada INDG 327 (4)

Themes and issues relating to the historical and contemporary experiences of ~~Aboriginal~~ Indigenous women in Canada: Indigenous theories of gender; evolution and political function of stereotypes of Indigenous women in Canada; history of Canadian legislation regulating indigenous identity; relevance of feminist analysis; and history of activism. Prerequisite: INDG (or FNST) 101 or INDG (or FNST) 201W ~~45 units~~. Students who have taken INDG (or FNST) 322 under this topic may not take this course for further credit. INDG (or FNST) 327 and GSWS 327 (or WS 327) are identical and students may not take both courses for credit.

EFFECTIVE TERM AND YEAR FOR CHANGES

Fall, Spring, Summer and year (please enter in textbox)

RATIONALE (must be included)

Replacing terminology (i.e., 'Aboriginal' to 'Indigenous').

Change to prerequisites, deleting 45 units and replacing with INDG (or FNST) 101 or INDG (or FNST) 201W.

COURSE SUBJECT **NUMBER** **TITLE**

TYPE OF CHANGES. Please type 'X' for the appropriate revision(s):

Course number	<input type="checkbox"/>	Units	<input type="checkbox"/>	Prerequisite	<input checked="" type="checkbox"/>
Title	<input type="checkbox"/>	Description	<input type="checkbox"/>	Equivalent Statement	<input type="checkbox"/>

WORDING/DESCRIPTION EDITS. Indicate deleted or changed text using strike-through, indicate added or new text using underline. If you need to enter more text than the box allows, drag the endpoint of the text box to make it bigger, as it will not automatically expand. Please review the "Equivalency statements" section under [Information about specific course components](#) if changing equivalent statement(s).

This course explores the unique relationship that Indigenous peoples of North America have with animals. It examines how they named, classified, used and managed animals and compares this to western science. Prerequisite: Either INDG (or FNST) 101 or 201W ~~and INDG (or FNST) 232~~. Students with credit for INDG (or FNST) 222 under this topic may not take this course for further credit.

EFFECTIVE TERM AND YEAR FOR CHANGES

Fall, Spring, Summer and year (please enter in textbox)

RATIONALE (must be included)

Removal of INDG (or FNST) 232 as a prerequisite, to make course more accessible to students.

COURSE SUBJECT	INDG	NUMBER	401	TITLE	Aboriginal Peoples and Public Policy
-----------------------	------	---------------	-----	--------------	--------------------------------------

TYPE OF CHANGES. Please type 'X' for the appropriate revision(s):

Course number	<input type="checkbox"/>	Units	<input type="checkbox"/>	Prerequisite	<input checked="" type="checkbox"/>
Title	<input checked="" type="checkbox"/>	Description	<input checked="" type="checkbox"/>	Equivalent Statement	<input type="checkbox"/>

WORDING/DESCRIPTION EDITS. Indicate deleted or changed text using strike-through, indicate added or new text using underline. If you need to enter more text than the box allows, drag the endpoint of the text box to make it bigger, as it will not automatically expand. Please review the "Equivalency statements" section under [Information about specific course components](#) if changing equivalent statement(s).

~~Aboriginal~~ Indigenous Peoples and Public Policy INDG 401 (3)

An examination of ~~First Nations and Aboriginal~~ Indigenous peoples' perspectives on political, social and legal issues involving their rights as first citizens of Canada and North America, and the practical and political relations with various levels of government. Issues examined include: ~~Aboriginal~~ Indigenous rights and title ~~questions~~, self government models and concepts, constitutional matters, the impact of federal government policies, including their impact on women's lives, and ~~Aboriginal~~ Indigenous communities and ~~First Nations~~ politics. Prerequisite: INDG (or FNST) 101 ~~and or~~ 201W. Recommended: POL 221. Students with credit for FNST 401 may not take this course for further credit.

EFFECTIVE TERM AND YEAR FOR CHANGES

Fall, Spring, Summer and year (please enter in textbox)

Fall 2022

RATIONALE (must be included)

Replacing terminology (i.e., 'First Nations' and 'Aboriginal,' to 'Indigenous').

Change prerequisite to "or" rather than "and."

COURSE SUBJECT	INDG	NUMBER	410	TITLE	Elements of Indigenous Style: Indigenous Editing Practices
-----------------------	------	---------------	-----	--------------	---

TYPE OF CHANGES. Please type 'X' for the appropriate revision(s):

Course number	<input type="checkbox"/>	Units	<input type="checkbox"/>	Prerequisite	<input type="checkbox"/>
Title	<input type="checkbox"/>	Description	<input type="checkbox"/>	Equivalent Statement	<input checked="" type="checkbox"/>

WORDING/DESCRIPTION EDITS. Indicate deleted or changed text using ~~strike through~~, indicate added or new text using underline. If you need to enter more text than the box allows, drag the endpoint of the text box to make it bigger, as it will not automatically expand. Please review the "Equivalency statements" section under [Information about specific course components](#) if changing equivalent statement(s).

Introduces basic editorial principles fashioned by an understanding of Indigenous practices and protocols to demonstrate how Indigenous people's ways of being, worldviews, and life experiences play into editorial decision-making. Students will develop an informed and case-by-case approach of their own by critically applying principles learned from Indigenous storytellers themselves. Prerequisite: or Corequisite: INDG 101 or 201W. Students with credit for ~~INDG 322 under the title "Indigenous Editing" offered in Spring 2021~~, PUB 410 or PUB 480 under the title "Indigenous Editing" offered in Spring 2022 may not take this course for further credit.

EFFECTIVE TERM AND YEAR FOR CHANGES

Fall, Spring, Summer and year (please enter in textbox)

Fall 2022

RATIONALE (must be included)

Change to equivalency statement, to delete INDG 322 under the title "Indigenous Editing" offered in Spring 2021 (which ended up not being offered), and to add the Special Topics course PUB 480 under the title "Indigenous Editing" offered in Spring 2022.

Also to add the two-way equivalency course PUB 410 – Elements of Indigenous Style: Indigenous Editing Practices (4), which is a new course created by the Publishing Program.

COURSE SUBJECT NUMBER TITLE

TYPE OF CHANGES. Please type 'X' for the appropriate revision(s):

Course number Units Prerequisite
 Title Description Equivalent Statement

WORDING/DESCRIPTION EDITS. Indicate deleted or changed text using ~~strike through~~, indicate added or new text using underline. If you need to enter more text than the box allows, drag the endpoint of the text box to make it bigger, as it will not automatically expand. Please review the "Equivalency statements" section under [Information about specific course components](#) if changing equivalent statement(s).

~~Independent research in a selected international studies area, under the supervision of at least one faculty member. A research report is required. Prerequisite: By application to the undergraduate chair. May only be taken once for credit towards a degree or diploma.~~

Independent research in a selected international studies area, under the direction of a single faculty member. Papers will be required. May only be taken once for credit. Prerequisite: 75 units. International Studies major or honours students and written application to the school no later than the last day of classes of the preceding term.

EFFECTIVE TERM AND YEAR FOR CHANGES

Fall, Spring, Summer and year (please enter in textbox)

COURSE SUBJECT NUMBER TITLE

TYPE OF CHANGES. Please type 'X' for the appropriate revision(s):

Course number Units Prerequisite
 Title Description Equivalent Statement

WORDING/DESCRIPTION EDITS. Indicate deleted or changed text using strike through, indicate added or new text using underline. If you need to enter more text than the box allows, drag the endpoint of the text box to make it bigger, as it will not automatically expand. Please review the "Equivalency statements" section under [Information about specific course components](#) if changing equivalent statement(s).

One of PHIL 120, 120W (~~or equivalent~~), 121, 220, 221, 270, SDA 270, ENV 320W, or REM 320W.

EFFECTIVE TERM AND YEAR FOR CHANGES

Fall, Spring, Summer and year (please enter in textbox)

RATIONALE (must be included)

SDA 270 / PHIL 270 is a new course. The ethicists in the philosophy department believe that it sufficiently prepares students for 300-level ethics courses.

The phrase "PHIL 120W (or equivalent)" has been misunderstood by students, so we would like to clarify it.

COURSE SUBJECT NUMBER TITLE

TYPE OF CHANGES. Please type 'X' for the appropriate revision(s):

Course number Units Prerequisite
 Title Description Equivalent Statement

WORDING/DESCRIPTION EDITS. Indicate deleted or changed text using strike through, indicate added or new text using underline. If you need to enter more text than the box allows, drag the endpoint of the text box to make it bigger, as it will not automatically expand. Please review the "Equivalency statements" section under [Information about specific course components](#) if changing equivalent statement(s).

One of PHIL 120, 120W (~~or equivalent~~), 121, 220, 221, 270, SDA 270, ENV 320W, or REM 320W.

EFFECTIVE TERM AND YEAR FOR CHANGES

Fall, Spring, Summer and year (please enter in textbox)

RATIONALE (must be included)

SDA 270 / PHIL 270 is a new course. The ethicists in the philosophy department believe that it sufficiently prepares students for 300-level ethics courses.

The phrase "PHIL 120W (or equivalent)" has been misunderstood by students, so we would like to clarify it.

COURSE SUBJECT NUMBER TITLE

TYPE OF CHANGES. Please type 'X' for the appropriate revision(s):

Course number Units Prerequisite

Title Description Equivalent Statement

WORDING/DESCRIPTION EDITS. Indicate deleted or changed text using strike through, indicate added or new text using underline. If you need to enter more text than the box allows, drag the endpoint of the text box to make it bigger, as it will not automatically expand. Please review the "Equivalency statements" section under [Information about specific course components](#) if changing equivalent statement(s).

One of PHIL 120, 120W (or equivalent), 121, 150, 151, 220, ~~or 221~~, 270, SDA 270, ENV 320W, or REM 320W.

EFFECTIVE TERM AND YEAR FOR CHANGES

Fall, Spring, Summer and year (please enter in textbox)

RATIONALE (must be included)

SDA 270 / PHIL 270 is a new course. The ethicists in the philosophy department believe that it sufficiently prepares students for 300-level ethics courses.

The other 300-level ethics courses include ENV 320W/REM 320W among their prerequisites; for the sake of consistency, we're adding it to the prerequisites for PHIL 322. The ethics instructors believe that ENV 320W/REM 320W sufficiently prepares students for PHIL 322.

The phrase "PHIL 120W (or equivalent)" has been misunderstood by students, so we would like to clarify it.

COURSE SUBJECT NUMBER TITLE

TYPE OF CHANGES. Please type 'X' for the appropriate revision(s):

Course number Units Prerequisite
 Title Description Equivalent Statement

WORDING/DESCRIPTION EDITS. Indicate deleted or changed text using strike through, indicate added or new text using underline. If you need to enter more text than the box allows, drag the endpoint of the text box to make it bigger, as it will not automatically expand. Please review the "Equivalency statements" section under [Information about specific course components](#) if changing equivalent statement(s).

One of PHIL 120, 120W (~~or equivalent~~), 121, 220, 221, 270, SDA 270, ENV 320W, or REM 320W, ~~or with permission of instructor.~~

EFFECTIVE TERM AND YEAR FOR CHANGES

Fall, Spring, Summer and year (please enter in textbox)

RATIONALE (must be included)

The ethics instructors in the Philosophy Department believe that SDA 270 / PHIL 270 sufficiently prepares students for our 300-level ethics courses.

The phrase "PHIL 120W (or equivalent)" has been misunderstood by students, so we would like to clarify it.

The phrase "or with permission of the instructor" is redundant: All courses normally allow for permission if the instructor decides so, and students know it.

COURSE SUBJECT NUMBER TITLE

TYPE OF CHANGES. Please type 'X' for the appropriate revision(s):

Course number Units Prerequisite

Title Description Equivalent Statement

WORDING/DESCRIPTION EDITS. Indicate deleted or changed text using strike through, indicate added or new text using underline. If you need to enter more text than the box allows, drag the endpoint of the text box to make it bigger, as it will not automatically expand. Please review the "Equivalency statements" section under [Information about specific course components](#) if changing equivalent statement(s).

~~60 units and one of PHIL 120W (or equivalent), 121 or 221; or HSCI 319.~~

60 units and one of the following: PHIL 120, PHIL 120W, PHIL 121, PHIL 221, PHIL 270, HSCI 319, SDA 270.

EFFECTIVE TERM AND YEAR FOR CHANGES

Fall, Spring, Summer and year (please enter in textbox)

RATIONALE (must be included)

The ethics instructors in the Philosophy Department believe that SDA 270 / PHIL 270 sufficiently prepares students for our 300-level ethics courses.

The phrase "PHIL 120W (or equivalent)" has been misunderstood by students, so we would like to clarify it.

COURSE SUBJECT NUMBER TITLE

TYPE OF CHANGES. Please type 'X' for the appropriate revision(s):

Course number Units Prerequisite
 Title Description Equivalent Statement

WORDING/DESCRIPTION EDITS. Indicate deleted or changed text using strike through, indicate added or new text using underline. If you need to enter more text than the box allows, drag the endpoint of the text box to make it bigger, as it will not automatically expand. Please review the "Equivalency statements" section under [Information about specific course components](#) if changing equivalent statement(s).

One of PHIL 120, 120W (or equivalent), 121, 220, 221, 270, SDA 270, ENV 320W, or REM 320W.

EFFECTIVE TERM AND YEAR FOR CHANGES

Fall, Spring, Summer and year (please enter in textbox)

RATIONALE (must be included)

SDA 270 / PHIL 270 is a new course. The ethicists in the philosophy department believe that it sufficiently prepares students for 300-level ethics courses.

The phrase "PHIL 120W (or equivalent)" has been misunderstood by students, so we would like to clarify it.

COURSE SUBJECT NUMBER TITLE

TYPE OF CHANGES. Please type 'X' for the appropriate revision(s):

Course number Units Prerequisite

Title Description Equivalent Statement

WORDING/DESCRIPTION EDITS. Indicate deleted or changed text using strike through, indicate added or new text using underline. If you need to enter more text than the box allows, drag the endpoint of the text box to make it bigger, as it will not automatically expand. Please review the "Equivalency statements" section under [Information about specific course components](#) if changing equivalent statement(s).

One of PHIL 120, 120W (~~or equivalent~~), 121, 220, 221, 270, SDA 270, ENV 320W, or REM 320W ~~or with permission of instructor.~~

EFFECTIVE TERM AND YEAR FOR CHANGES

Fall, Spring, Summer and year (please enter in textbox)

RATIONALE (must be included)

PHIL 270 / SDA 270 is a new course. The ethics instructors in the Philosophy Department believe that it sufficiently prepares students for our 300-level ethics courses.

Also: The course that was once called "ENV 320W" is now called "REM 320W". The list of prerequisites for PHIL 329 should be updated to reflect this.

The phrase "PHIL 120W (or equivalent)" has been misunderstood by students, so we would like to clarify it.

The phrase "or with permission of the instructor" is redundant: All courses normally allow for permission if the instructor decides so, and students know it.

COURSE SUBJECT POL **NUMBER** 451W **TITLE** Public Policy Analysis

TYPE OF CHANGES. Please type 'X' for the appropriate revision(s):

Course number	<input type="checkbox"/>	Units	<input type="checkbox"/>	Prerequisite	<input type="checkbox"/>
Title	<input type="checkbox"/>	Description	<input checked="" type="checkbox"/>	Equivalent Statement	<input type="checkbox"/>

WORDING/DESCRIPTION EDITS. Indicate deleted or changed text using ~~strike through~~, indicate added or new text using underline. If you need to enter more text than the box allows, drag the endpoint of the text box to make it bigger, as it will not automatically expand. Please review the "Equivalency statements" section under [Information about specific course components](#) if changing equivalent statement(s).

Examines the conceptual, philosophical and practical aspects of public policy analysis as it is conducted in government, universities, interest groups and policy research institutes. Specific attention is paid to the question of the role of policy research in the process of public policy making and the design of government programs and services. Prerequisite: Eight upper division units in political science or permission of the department. Students with credit for POL 451 may not take this course for further credit. Writing/~~Quantitative~~.

EFFECTIVE TERM AND YEAR FOR CHANGES

Fall, Spring, Summer and year (please enter in textbox)

Fall 2022

RATIONALE (must be included)

This proposal is to remove the Quantitative designation from Pol 451W. The revision is designed to reflect that the course is no longer being taught with a quantitative dimension.



FACULTY OF ARTS AND SOCIAL SCIENCES
Office of the Dean

8888 University Drive, Burnaby, BC
Canada V5A 1S6

TEL 778.782.4416
FAX 778.782.3033

murraye@sfu.ca
<http://www.sfu.ca/fass.html>

MEMORANDUM

ATTENTION SCUS MEMBERS

FROM Lara Campbell
Chair, Faculty of Arts and Social Sciences
Curriculum Committee (FASSUCC)

RE: Temporary Course withdrawal: PSYC 389

DATE 14 February 2022

The Department of Psychology wishes to temporarily withdraw the following course:
Psychology 389: Emotion and Motivation (3).

Please place this item on the agenda of the next SCUS meeting.

Sincerely,

A handwritten signature in purple ink that reads "Lara Campbell".

Lara Campbell
Associate Dean, Faculty of Arts and Social Sciences

COURSE SUBJECT **NUMBER** **TITLE**

TYPE OF CHANGES. Please type 'X' for the appropriate revision(s):

Course number	<input type="checkbox"/>	Units	<input type="checkbox"/>	Prerequisite	<input checked="" type="checkbox"/>
Title	<input type="checkbox"/>	Description	<input type="checkbox"/>	Equivalent Statement	<input type="checkbox"/>

WORDING/DESCRIPTION EDITS. Indicate deleted or changed text using ~~strike through~~, indicate added or new text using underline. If you need to enter more text than the box allows, drag the endpoint of the text box to make it bigger, as it will not automatically expand. Please review the "Equivalency statements" section under [Information about specific course components](#) if changing equivalent statement(s).

Emphasis is upon the relevance of economic models to business decision-making and, in particular, upon the rational analysis of choice alternatives within the firm. Course will include consideration of optimizing techniques and analysis of risk, demand, production and profit in addition to examination of long-term investment decisions and business forecasting.
Prerequisite: ECON 103 **or** **ECON 113**, **ECON 105 or ECON 115**, MATH 157, all with a minimum grade of C-; 15 units. Students with credit for ECON 301, ECON 201, or BUS 307 may not take BUS 207 for further credit. Quantitative.

EFFECTIVE TERM AND YEAR FOR CHANGES

Fall, Spring, Summer and year (please enter in textbox)

RATIONALE (must be included)

In response to the introduction of new courses in Economics, ECON 113 and 115. ECON 113 and 115 introduce students to many of the same concepts covered in ECON 103 and 105, and either set of courses will adequately prepare students for BUS 207. Therefore, ECON 113 and 115 are being added as possible prerequisites to BUS 207 that students can complete in lieu of ECON 103 and 105.

COURSE SUBJECT	BUS	NUMBER	468	TITLE	Managing Information Technology for Business Value
-----------------------	-----	---------------	-----	--------------	---

TYPE OF CHANGES. Please type 'X' for the appropriate revision(s):

Course number	<input type="checkbox"/>	Units	<input type="checkbox"/>	Prerequisite	<input checked="" type="checkbox"/>
Title	<input type="checkbox"/>	Description	<input type="checkbox"/>	Equivalent Statement	<input type="checkbox"/>

WORDING/DESCRIPTION EDITS. Indicate deleted or changed text using ~~strike through~~, indicate added or new text using underline. If you need to enter more text than the box allows, drag the endpoint of the text box to make it bigger, as it will not automatically expand. Please review the "Equivalency statements" section under [Information about specific course components](#) if changing equivalent statement(s).

**BUS 468 - Managing Information Technology for Business Value
(3)**

Focuses both on current issues (e.g. build/buy, outsourcing, alignment) and emerging issues (e.g. social networking, utility computing, knowledge management and privacy) in obtaining value from information technology. Prerequisite: BUS 237, BUS 360W, BUS 362, ~~both~~ all with a minimum grade of C-; 90 units. ~~Recommended: BUS 362.~~

EFFECTIVE TERM AND YEAR FOR CHANGES

Fall, Spring, Summer and year (please enter in textbox)

Fall 2022

RATIONALE (must be included)

Level 300 courses should be taken before level 400 courses but students are able to take BUS 362 after completing all level 400 MIS courses at this time. BUS 362 prepares students in business process analysis and this knowledge is essential for all level 400 MIS courses. By adding BUS 362 as a prerequisite course for all level 400 MIS courses, students will have to complete BUS 362 before advancing to level 400 MIS courses.

MEMO

Undergraduate Chair
School of Communication

Burnaby Campus – K8665

Burnaby Tel: 778.782.9360

Fax: 778.782.4024

ATTENTION: FCAT UCC

FROM: Frédéric Lesage, CMNS Undergraduate Chair

RE: Temporarily Withdrawn Courses in CMNS: CMNS 323W

cc

DATE: February 10 2022

The following School of Communication courses will be temporarily withdrawn effective Fall Term 2022:

- CMNS 323W

Frédéric Lesage
CMNS USC Chair



T: 778.782.8797
F: 778.782.8788
www.fenv.sfu.ca

Simon Fraser University
TASC2 8800
8888 University Drive
Burnaby, BC Canada V5A 1S6

MEMORANDUM

To: Wade Parkhouse, Chair, SCUS
From: Paul Kingsbury, FENV, Chair, UCC

February 11, 2022

Re: Faculty of Environment SCUS Submission for Meeting of March 3, 2022

Please find attached the following submission from the Faculty of Environment for the March 3 meeting of SCUS. It includes a memo from Lance Lesack (Chair, Undergraduate Studies Committee, Department of Geography) requesting the deletion of three courses. This request is in addition to REM's requested program changes to the Sustainable Business Joint Major, which I submitted to Kris Nordgren several weeks ago.

Included here are:

1. Course Deletions:
 - a. GEOG 322, 322W, 428

Sincerely,

A handwritten signature in black ink, appearing to be 'Paul Kingsbury', written in a cursive style.

Dr. Paul Kingsbury
Associate Dean, Undergraduate, Faculty of Environment



MEMO

ATTENTION: Paul Kingsbury, Associate Dean, FENV
 Bookmark not defined.

TEL

FROM: Lance Lesack, Undergraduate Studies Committee Chair, Dept of Geography

RE: Deletion of GEOG 322, 322W & 428

DATE : February 7, 2022

TIME

The Department of Geography would like to request deletion of the following courses:

- GEOG 322 - World Resources
- GEOG 322W - World Resources
- GEOG 428 - World Forests

These courses were taught by a faculty member who has since retired and in an area that is no longer being taught within our Department.

Please let us know if you require additional details or further information.

COURSE SUBJECT NUMBER TITLE

TYPE OF CHANGES. Please type 'X' for the appropriate revision(s):

Course number	<input type="checkbox"/>	Units	<input type="checkbox"/>	Prerequisite	<input type="checkbox"/>
Title	<input checked="" type="checkbox"/>	Description	<input checked="" type="checkbox"/>	Equivalent Statement	<input type="checkbox"/>

WORDING/DESCRIPTION EDITS. Indicate deleted or changed text using strike-through, indicate added or new text using underline. If you need to enter more text than the box allows, drag the endpoint of the text box to make it bigger, as it will not automatically expand. Please review the "Equivalency statements" section under [Information about specific course components](#) if changing equivalent statement(s).

HSCI 338 - ~~Animal~~ Virology (3)

~~Animal~~ Virology in the context of viral diseases in humans and animals. ~~Animal~~ Viruses, their structures, their transmission and replication in human and animal hosts, virus- interactions with hosts interactions and viral diseases.
Prerequisite: MBB 222 with a minimum grade of C- or permission of the instructor. Corequisite: BISC 303.

EFFECTIVE TERM AND YEAR FOR CHANGES

Fall, Spring, Summer and year (please enter in textbox)

RATIONALE (must be included)

The change will avoid students' frequent misunderstanding of the course content. Although viruses are categorized as animal, plant and bacterial depending on their hosts, the course teaches about animal viruses that cause diseases mostly in humans. The course's title and description change will clarify the course's main objective to teach basic animal virology in relation to human viral diseases.

COURSE SUBJECT	HSCI	NUMBER	440	TITLE	Cell Pathophysiology Laboratory
-----------------------	------	---------------	-----	--------------	------------------------------------

TYPE OF CHANGES. Please type 'X' for the appropriate revision(s):

Course number	<input type="checkbox"/>	Units	<input type="checkbox"/>	Prerequisite	<input checked="" type="checkbox"/>
Title	<input type="checkbox"/>	Description	<input type="checkbox"/>	Equivalent Statement	<input type="checkbox"/>

WORDING/DESCRIPTION EDITS. Indicate deleted or changed text using ~~strike through~~, indicate added or new text using underline. If you need to enter more text than the box allows, drag the endpoint of the text box to make it bigger, as it will not automatically expand. Please review the "Equivalency statements" section under [Information about specific course components](#) if changing equivalent statement(s).

Prerequisite: HSCI 321, HSCI 323, and one of BISC 357, MBB 308, or MBB 309W, all with a minimum grade of C-.

EFFECTIVE TERM AND YEAR FOR CHANGES

Fall, Spring, Summer and year (please enter in textbox)

Fall 2022

RATIONALE (must be included)

The inclusion of HSCI 323 “Principles of Pharmacology and Toxicology” prerequisite provides additional background knowledge for this laboratory course. It also better aligns the prerequisites for each of the 400-level Health Sciences lab courses in the Life Sciences major by making each of these 400-level lab courses have required HSCI lecture course.

HSCI 323->HSCI 440

HSCI 338->HSCI 441

HSCI 326->HSCI 442

COURSE SUBJECT	HSCI	NUMBER	475	TITLE	Seminar in Molecular Mechanisms of Epigenetics
-----------------------	------	---------------	-----	--------------	---

TYPE OF CHANGES. Please type 'X' for the appropriate revision(s):

Course number	<input type="checkbox"/>	Units	<input type="checkbox"/>	Prerequisite	<input checked="" type="checkbox"/>
Title	<input type="checkbox"/>	Description	<input type="checkbox"/>	Equivalent Statement	<input type="checkbox"/>

WORDING/DESCRIPTION EDITS. Indicate deleted or changed text using ~~strike through~~, indicate added or new text using underline. If you need to enter more text than the box allows, drag the endpoint of the text box to make it bigger, as it will not automatically expand. Please review the "Equivalency statements" section under [Information about specific course components](#) if changing equivalent statement(s).

Prerequisite: ~~MBB 331 and HSCI 324~~, HSCI 323, HSCI 324, and MBB 331, both all with a minimum grade of C-, or permission of the instructor.

EFFECTIVE TERM AND YEAR FOR CHANGES

Fall, Spring, Summer and year (please enter in textbox)

Fall 2022

RATIONALE (must be included)

The inclusion of HSCI 323 “Principles of Pharmacology and Toxicology” prerequisite provides additional background knowledge for this seminar. It also better aligns the prerequisites for each of the 400-level Health Sciences seminar courses in the Life Sciences major by making each of these 400-level seminar courses have unique required lecture course. For example,
HSCI 323->HSCI 475
HSCI 326->HSCI 477

COURSE SUBJECT	BPK	NUMBER	417	TITLE	Obesity, Adipocyte Function and Weight management
-----------------------	-----	---------------	-----	--------------	---

TYPE OF CHANGES. Please type 'X' for the appropriate revision(s):

Course number	<input type="checkbox"/>	Units	<input type="checkbox"/>	Prerequisite	<input checked="" type="checkbox"/>
Title	<input type="checkbox"/>	Description	<input type="checkbox"/>	Equivalent Statement	<input type="checkbox"/>

WORDING/DESCRIPTION EDITS. Indicate deleted or changed text using ~~strike through~~, indicate added or new text using underline. If you need to enter more text than the box allows, drag the endpoint of the text box to make it bigger, as it will not automatically expand. Please review the "Equivalency statements" section under [Information about specific course components](#) if changing equivalent statement(s).

Prerequisite: BPK ~~110~~, 306, 340. Recommended: BPK 110.

EFFECTIVE TERM AND YEAR FOR CHANGES

Fall, Spring, Summer and year (please enter in textbox)

Fall 2022

RATIONALE (must be included)

The remaining pre-requisites cover the most relevant aspects of necessary for the discussions in BPK 417 - Obesity, Adipocyte Function and Weight management. BPK 417 is an elective within the Biomedical Physiology Major. BPK 110 – Human Nutrition is not required within the Biomedical Physiology Major and creates a barrier for Biomedical Physiology Major students to select this course.

COURSE SUBJECT	MATH	NUMBER	154	TITLE	Calculus I for the Biological Sciences Mathematics for the Life Sciences I
-----------------------	------	---------------	-----	--------------	---

TYPE OF CHANGES. Please type 'X' for the appropriate revision(s):

Course number	<input type="checkbox"/>	Units	<input type="checkbox"/>	Prerequisite	<input checked="" type="checkbox"/>
Title	<input checked="" type="checkbox"/>	Description	<input checked="" type="checkbox"/>	Equivalent Statement	<input type="checkbox"/>

WORDING/DESCRIPTION EDITS. Indicate deleted or changed text using strike through, indicate added or new text using underline. If you need to enter more text than the box allows, drag the endpoint of the text box to make it bigger, as it will not automatically expand. Please review the "Equivalency statements" section under [Information about specific course components](#) if changing equivalent statement(s).

Designed for students specializing in the ~~biological and medical~~ life sciences. Topics include: limits, growth rate and the derivative; elementary functions, optimization and approximation methods, and their applications, integration, and differential equations; mathematical models of biological processes and their implementation and analysis using software. Prerequisite: Pre-Calculus 12 (or equivalent) with a grade of at least B, or MATH 100 with a grade of at least C-, or achieving a satisfactory grade on the Simon Fraser University Calculus Readiness Test. Students with credit for either MATH 150, 151 or 157 may not take MATH 154 for further credit. Quantitative.

EFFECTIVE TERM AND YEAR FOR CHANGES

Fall, Spring, Summer and year (please enter in textbox)

Fall 2022

RATIONALE (must be included)

The purpose of the changes to MATH 154&155 was to modernize the presentation of the material taking fully into account areas of the life sciences in which mathematics is used.

We extended the types of mathematics presented, lowered the mechanical requirements of the class, removed topics unlikely to be of great relevance to most students in the life sciences, placed greater emphasis on developing and interpreting mathematical models, and encouraged the use of universally available software to perform mathematical calculations.

COURSE SUBJECT	MATH	NUMBER	155	TITLE	Calculus II for the Biological Sciences Mathematics for the Life Sciences II
-----------------------	------	---------------	-----	--------------	---

TYPE OF CHANGES. Please type 'X' for the appropriate revision(s):

Course number	<input type="checkbox"/>	Units	<input type="checkbox"/>	Prerequisite	<input type="checkbox"/>
Title	<input checked="" type="checkbox"/>	Description	<input checked="" type="checkbox"/>	Equivalent Statement	<input type="checkbox"/>

WORDING/DESCRIPTION EDITS. Indicate deleted or changed text using strike through, indicate added or new text using underline. If you need to enter more text than the box allows, drag the endpoint of the text box to make it bigger, as it will not automatically expand. Please review the "Equivalency statements" section under [Information about specific course components](#) if changing equivalent statement(s).

Designed for students specializing in the ~~biological and medical~~ life sciences. Topics include: vectors and matrices, ~~the integral~~, partial derivatives, multi-dimensional integrals, systems of differential equations, ~~linear systems~~, compartment models, graphs and networks, and their applications to the Life Sciences; mathematical models of multi-component biological processes and their implementation and analysis using software. Prerequisite: MATH 150, 151 or 154 with a minimum grade of C-; or MATH 157 with a grade of at least B. Students with credit for MATH 152 or 158 may not take this course for further credit. Quantitative.

EFFECTIVE TERM AND YEAR FOR CHANGES

Fall, Spring, Summer and year (please enter in textbox)

Fall 2022

RATIONALE (must be included)

The purpose of the changes to MATH 154&155 was to modernize the presentation of the material taking fully into account areas of the life sciences in which mathematics is used.

We extended the types of mathematics presented, lowered the mechanical requirements of the class, removed topics unlikely to be of great relevance to most students in the life sciences, placed greater emphasis on developing and interpreting mathematical models, and encouraged the use of universally available software to perform mathematical calculations.

COURSE SUBJECT NUMBER TITLE

TYPE OF CHANGES. Please type 'X' for the appropriate revision(s):

Course number Units Prerequisite
 Title Description Equivalent Statement

WORDING/DESCRIPTION EDITS. Indicate deleted or changed text using ~~strike-through~~, indicate added or new text using underline. If you need to enter more text than the box allows, drag the endpoint of the text box to make it bigger, as it will not automatically expand. Please review the "Equivalency statements" section under [Information about specific course components](#) if changing equivalent statement(s).

STAT 240 - Introduction to Data Science (3)

Introduction to modern tools and methods for data acquisition, management, and visualization capable of scaling to Big Data. Prerequisite: One of STAT 201, STAT 203, STAT 205, STAT 270, ~~or~~ BUS 232, or ECON 233, and one of CMPT 102, CMPT 120, CMPT 125, CMPT 128, CMPT 129, CMPT 130, all with a minimum grade of C- or permission of the instructor. STAT 260 is also recommended. Quantitative.

EFFECTIVE TERM AND YEAR FOR CHANGES

Fall, Spring, Summer and year (please enter in textbox)

RATIONALE (must be included)

Prior to Fall 2019, Beedie and the Economics department jointly shared an introductory Statistics course: BUEC 232. In Fall 2019, Business took ownership of this course in the form of BUS 232. In Fall 2020, the Economics department introduced their own introductory statistics course: ECON 233. The Statistics and Actuarial Science department has assessed ECON 233 as an acceptable prerequisite for STAT 240.

COURSE SUBJECT	STAT	NUMBER	260	TITLE	Introductory R for Data Science
-----------------------	------	---------------	-----	--------------	---------------------------------

TYPE OF CHANGES. Please type 'X' for the appropriate revision(s):

Course number	<input type="checkbox"/>	Units	<input type="checkbox"/>	Prerequisite	<input checked="" type="checkbox"/>
Title	<input type="checkbox"/>	Description	<input type="checkbox"/>	Equivalent Statement	<input type="checkbox"/>

WORDING/DESCRIPTION EDITS. Indicate deleted or changed text using ~~strike through~~, indicate added or new text using underline. If you need to enter more text than the box allows, drag the endpoint of the text box to make it bigger, as it will not automatically expand. Please review the "Equivalency statements" section under [Information about specific course components](#) if changing equivalent statement(s).

STAT 260 - Introductory R for Data Science (2)

An introduction to the R programming language for data science. Exploring data: visualization, transformation and summaries. Data wrangling: reading, tidying, and data types. No prior computer programming experience required. Prerequisite: One of STAT 201, STAT 203, STAT 205, STAT 270, BUS 232, ECON 233, or POL 201, with a grade of at least C- or permission of the instructor. Corequisite: STAT 261. Students who have taken STAT 341 or STAT 360 first may not then take this course for further credit.

EFFECTIVE TERM AND YEAR FOR CHANGES

Fall, Spring, Summer and year (please enter in textbox)

Fall 2022

RATIONALE (must be included)

Prior to Fall 2019, Beedie and the Economics department jointly shared an introductory Statistics course: BUEC 232. In Fall 2019, Business took ownership of this course in the form of BUS 232. In Fall 2020, the Economics department introduced their own introductory statistics course: ECON 233. The Statistics and Actuarial Science department has assessed ECON 233 as an acceptable prerequisite for STAT 260.

COURSE SUBJECT	STAT	NUMBER	261	TITLE	Laboratory for Introductory R for Data Science
-----------------------	------	---------------	-----	--------------	--

TYPE OF CHANGES. Please type 'X' for the appropriate revision(s):

Course number	<input type="checkbox"/>	Units	<input type="checkbox"/>	Prerequisite	<input checked="" type="checkbox"/>
Title	<input type="checkbox"/>	Description	<input type="checkbox"/>	Equivalent Statement	<input type="checkbox"/>

WORDING/DESCRIPTION EDITS. Indicate deleted or changed text using ~~strike through~~, indicate added or new text using underline. If you need to enter more text than the box allows, drag the endpoint of the text box to make it bigger, as it will not automatically expand. Please review the "Equivalency statements" section under [Information about specific course components](#) if changing equivalent statement(s).

STAT 261 - Laboratory for Introductory R for Data Science (1)

A hands-on application of the R programming language for data science. Using the R concepts covered in STAT 260, students will explore (visualize, transform, and summarize) and wrangle (read and tidy) data. No prior computer programming experience required. Prerequisite: One of STAT 201, STAT 203, STAT 205, STAT 270, BUS 232, ECON 233, or POL 201, with a grade of at least C- or permission of the instructor. Corequisite: STAT 260. Students who have taken STAT 341 or STAT 360 first may not then take this course for further credit.

EFFECTIVE TERM AND YEAR FOR CHANGES

Fall, Spring, Summer and year (please enter in textbox)

Fall 2022

RATIONALE (must be included)

Prior to Fall 2019, Beedie and the Economics department jointly shared an introductory Statistics course: BUEC 232. In Fall 2019, Business took ownership of this course in the form of BUS 232. In Fall 2020, the Economics department introduced their own introductory statistics course: ECON 233. The Statistics and Actuarial Science department has assessed ECON 233 as an acceptable prerequisite for STAT 261.

COURSE SUBJECT	STAT	NUMBER	310	TITLE	Introduction to Data Science for the Social Sciences
-----------------------	------	---------------	-----	--------------	--

TYPE OF CHANGES. Please type 'X' for the appropriate revision(s):

Course number	<input type="checkbox"/>	Units	<input type="checkbox"/>	Prerequisite	<input checked="" type="checkbox"/>
Title	<input type="checkbox"/>	Description	<input type="checkbox"/>	Equivalent Statement	<input type="checkbox"/>

WORDING/DESCRIPTION EDITS. Indicate deleted or changed text using ~~strike through~~, indicate added or new text using underline. If you need to enter more text than the box allows, drag the endpoint of the text box to make it bigger, as it will not automatically expand. Please review the "Equivalency statements" section under [Information about specific course components](#) if changing equivalent statement(s).

STAT 310 - Introduction to Data Science for the Social Sciences (2)

An introduction to modern tools and methods for data acquisition, management, visualization, and machine learning, capable of scaling to Big Data. No prior computer programming experience required. Examples will draw from the social sciences. This course may not be used to satisfy the upper division requirements of the Statistics honours, major, or minor programs. Prerequisite: 60 units in subjects outside of the Faculties of Science and Applied Science and one of STAT 201, STAT 203, STAT 205, STAT 270, BUS 232, ECON 233, or POL 201, with a minimum grade of C-. Corequisite: STAT 311. Students who have taken STAT 240, STAT 440, or any 200-level or higher CMPT course first may not then take this course for further credit. Quantitative.

EFFECTIVE TERM AND YEAR FOR CHANGES

Fall, Spring, Summer and year (please enter in textbox)

Fall 2022

RATIONALE (must be included)

Prior to Fall 2019, Beedie and the Economics department jointly shared an introductory Statistics course: BUEC 232. In Fall 2019, Business took ownership of this course in the form of BUS 232. In Fall 2020, the Economics department introduced their own introductory statistics course: ECON 233. The Statistics and Actuarial Science department has assessed ECON 233 as an acceptable prerequisite for STAT 310.

COURSE SUBJECT	STAT	NUMBER	311	TITLE	Data Science Laboratory for the Social Sciences
-----------------------	------	---------------	-----	--------------	---

TYPE OF CHANGES. Please type 'X' for the appropriate revision(s):

Course number	<input type="checkbox"/>	Units	<input type="checkbox"/>	Prerequisite	<input checked="" type="checkbox"/>
Title	<input type="checkbox"/>	Description	<input type="checkbox"/>	Equivalent Statement	<input type="checkbox"/>

WORDING/DESCRIPTION EDITS. Indicate deleted or changed text using ~~strike through~~, indicate added or new text using underline. If you need to enter more text than the box allows, drag the endpoint of the text box to make it bigger, as it will not automatically expand. Please review the "Equivalency statements" section under [Information about specific course components](#) if changing equivalent statement(s).

STAT 311 - Data Science Laboratory for the Social Sciences (2)

A hands-on application of modern tools and methods for data acquisition, management, visualization, and machine learning, capable of scaling to Big Data. No prior computer programming experience required. Projects will draw from the social sciences and integrate application area insight into the analytic toolkit from STAT 310. This course may not be used to satisfy the upper division requirements of the Statistics honours, major, or minor programs. Prerequisite: 60 units in subjects outside of the Faculties of Science and Applied Science and one of STAT 201, STAT 203, STAT 205, STAT 270, BUS 232, ECON 233, or POL 201, with a minimum grade of C-. Corequisite: STAT 310. Students who have taken STAT 240, STAT 440, or any 200-level or higher CMPT course first may not then take this course for further credit. Quantitative.

EFFECTIVE TERM AND YEAR FOR CHANGES

Fall, Spring, Summer and year (please enter in textbox)

Fall 2022

RATIONALE (must be included)

Prior to Fall 2019, Beedie and the Economics department jointly shared an introductory Statistics course: BUEC 232. In Fall 2019, Business took ownership of this course in the form of BUS 232. In Fall 2020, the Economics department introduced their own introductory statistics course: ECON 233. The Statistics and Actuarial Science department has assessed ECON 233 as an acceptable prerequisite for STAT 311.

COURSE SUBJECT	STAT	NUMBER	302	TITLE	Analysis of Experimental and Observational Data
-----------------------	------	---------------	-----	--------------	---

TYPE OF CHANGES. Please type 'X' for the appropriate revision(s):

Course number	<input type="checkbox"/>	Units	<input type="checkbox"/>	Prerequisite	<input checked="" type="checkbox"/>
Title	<input type="checkbox"/>	Description	<input type="checkbox"/>	Equivalent Statement	<input type="checkbox"/>

WORDING/DESCRIPTION EDITS. Indicate deleted or changed text using ~~strike through~~, indicate added or new text using underline. If you need to enter more text than the box allows, drag the endpoint of the text box to make it bigger, as it will not automatically expand. Please review the "Equivalency statements" section under [Information about specific course components](#) if changing equivalent statement(s).

STAT 302 - Analysis of Experimental and Observational Data (3)

The standard techniques of multiple regression analysis, analysis of variance, and analysis of covariance, and their role in observational and experimental studies. This course may not be used to satisfy the upper division requirements of the following programs: Statistics major, Statistics honours, Actuarial Science major, and Actuarial Science honours. Prerequisite: One of STAT 201, STAT 203, STAT 205, STAT 270, ~~or~~ BUS 232, or ECON 233, with a minimum grade of C-. Students who have taken STAT 350 first may not then take this course for further credit. Quantitative.

EFFECTIVE TERM AND YEAR FOR CHANGES

Fall, Spring, Summer and year (please enter in textbox)

Fall 2022

**RATIONALE** (must be included)

Prior to Fall 2019, Beedie and the Economics department jointly shared an introductory Statistics course: BUEC 232. In Fall 2019, Business took ownership of this course in the form of BUS 232. In Fall 2020, the Economics department introduced their own introductory statistics course: ECON 233. The Statistics and Actuarial Science department has assessed ECON 233 as an acceptable prerequisite for STAT 302.

COURSE SUBJECT	STAT	NUMBER	305	TITLE	Introduction to Biostatistical Methods for Health Sciences
-----------------------	------	---------------	-----	--------------	--

TYPE OF CHANGES. Please type 'X' for the appropriate revision(s):

Course number	<input type="checkbox"/>	Units	<input type="checkbox"/>	Prerequisite	<input checked="" type="checkbox"/>
Title	<input type="checkbox"/>	Description	<input type="checkbox"/>	Equivalent Statement	<input type="checkbox"/>

WORDING/DESCRIPTION EDITS. Indicate deleted or changed text using ~~strike through~~, indicate added or new text using underline. If you need to enter more text than the box allows, drag the endpoint of the text box to make it bigger, as it will not automatically expand. Please review the "Equivalency statements" section under [Information about specific course components](#) if changing equivalent statement(s).

STAT 305 - Introduction to Biostatistical Methods for Health Sciences (3)

Intermediate statistical techniques for the health sciences. Review of introductory concepts in statistics and probability including hypothesis testing, estimation and confidence intervals for means and proportions. Contingency tables and the analysis of multiple 2x2 tables. Correlation and regression. Multiple regression and model selection. Logistic regression and odds ratios. Basic concepts in survival analysis. This course may not be used to satisfy the upper division requirements of the following programs: Statistics major, Statistics honours, Actuarial Science major, and Actuarial Science honours. Prerequisite: One of STAT 201, STAT 203, STAT 205, STAT 270, ~~or~~ BUS 232, or ECON 233, with a minimum grade of C-. Students who have taken STAT 350 first may not then take this course for further credit. Quantitative.

EFFECTIVE TERM AND YEAR FOR CHANGES

Fall, Spring, Summer and year (please enter in textbox)

Fall 2022

RATIONALE (must be included)

Prior to Fall 2019, Beedie and the Economics department jointly shared an introductory Statistics course: BUEC 232. In Fall 2019, Business took ownership of this course in the form of BUS 232. In Fall 2020, the Economics department introduced their own introductory statistics course: ECON 233. The Statistics and Actuarial Science department has assessed ECON 233 as an acceptable prerequisite for STAT 305.