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MEMORANDUM

ATTENTION	Senate	DATE	March 8, 2019
FROM	Elizabeth Elle, Vice-Chair Senate Committee on Undergraduate Studies	PAGES	1/3
RE:	Course Changes (SCUS 19-13)		

For information:

Acting under delegated authority at its meeting of March 7, 2019 SCUS approved the following curriculum revisions effective Fall 2019.

a. Faculty of Applied Sciences**1. School of Computing Science**

- (i) Prerequisite change for CMPT 105W, 106, and 373
- (ii) Description change for CMPT 430
- (iii) Title, description and prerequisite change for CMPT 473

b. Faculty of Arts and Social Sciences**1. School of Criminology**

- (i) Deletion of CRIM 449
- (ii) Prerequisite change for CRIM 335

2. Department of Economics

- (i) Deletion of ECON 110, 250 and 300
- (ii) Title, description and prerequisite change for ECON 220W

3. Department of English

- (i) Prerequisite change for ENGL 380

4. Global Asia Program

- (i) Prerequisite change for GA 300, 301, 302, 303 and 401
- (ii) Title and prerequisite change for GA 400

5. Centre for Hellenic Studies

- (i) Deletion of GRK 110, 160, 210 and 260

6. Department of History

- (i) Title change for HIST 130

7. Department of Humanities

- (i) Title and description change for HUM 105, 222, 240, 320 and 330
- (ii) Title change for HUM 385

8. School for International Studies

- (i) Title change for IS 309, 319 and 329
- (ii) Course number, description and prerequisite change for IS 450W

9. Labour Studies Program

- (i) B-Soc designation for LBST 308
- (ii) B-Soc designation for LBST 201

10. Department of Linguistics

- (i) Description change for LING 220 and 280

11. Language Training Institute

- (i) Course number, title and description change for ARAB 134

12. Department of Philosophy

- (i) Title and description change for PHIL 120W and 329

13. Department of Political Science

- (i) W designation for POL 200
- (ii) Units and equivalent statement change for POL 200W
- (iii) Deletion of POL 200
- (iv) Units, prerequisite and equivalent statement change for POL 201

14. Department of Sociology and Anthropology

- (i) Description and equivalent statement change for SA 301 and 335
- (ii) Description change for SA 340 and 388

c. Beedie School of Business

- (i) Prerequisite change for BUS 360W and 475
- (ii) Description change for BUS 439

d. Faculty of Communication, Art and Technology

1. Publishing Program

- (i) Title and description change for PUB 375

2. School for the Contemporary Arts

- (i) Description change for CA 131, 230, 231, and 233
- (ii) Prerequisite change for CA 335

3. School of Communication

- (i) Title change for CMNS 259
- (ii) Title, description and prerequisite change for CMNS 359

e. Faculty of Science

1. Department of Chemistry

- (i) Course number and equivalent statement change for CHEM 464

2. Department of Molecular Biology and Biochemistry

- (i) Title and description change for MBB 481, 482 and 483
- (ii) Title, description and prerequisite change for MBB 491
- (iii) Title and description change for MBB 492, 496 and 498

3. Department of Physics

- (i) Prerequisite change for PHYS 126 and 485

4. Department of Statistics and Actuarial Science

- (i) Description change for ACMA 320, 340, 355, 425, 440 and 455
- (ii) Prerequisite change for STAT 240

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	CMPT	NUMBER	105W	TITLE	Process, Form, and Convention in Professional Genres
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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).

Prerequisite: ~~C~~orequisite: CMPT 106 or MSE 102. None

EFFECTIVE TERM AND YEAR FOR CHANGES

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

Fall 2019

RATIONALE (must be included)

The content of CMPT 105W and CMPT 106 are no longer coupled. (MSE 102 is an equivalent of CMPT 106.) This change simplifies planning and scheduling for both students and the School. It is also consistent with the de-coupling of the sister courses in other units at Surrey.

COURSE SUBJECT	CMPT	NUMBER	106	TITLE	Process, Form, and Convention in Professional Genres
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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).

Prerequisite: ~~Corequisite: CMPT 105W or MSE 101W.~~ None

EFFECTIVE TERM AND YEAR FOR CHANGES

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

Fall 2019

RATIONALE (must be included)

The content of CMPT 105W and CMPT 106 are no longer coupled. (MSE 101W is an equivalent of CMPT 105W.) This change simplifies planning and scheduling for both students and the School. It is also consistent with the de-coupling of the sister courses in other units at Surrey.

COURSE SUBJECT CMPT NUMBER 373 TITLE Software Development Methods

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).Prerequisite: ~~CMPT 213 and (CMPT 276 or 275)~~.**EFFECTIVE TERM AND YEAR FOR CHANGES**

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

Fall 2019

RATIONALE (must be included)

We would like to increase the number of CMPT majors who take this course, and this change will make it more appealing for them to do so. The content of CMPT 373 needs only minor revision to ensure that CMPT 213 is not required preparation, and CMPT 275 or CMPT 276 is sufficient. This change is a part of a larger process to streamline and strengthen both the Computing Science and Software Systems major programs.

COURSE SUBJECT

CMPT

NUMBER

430

TITLE

Practicum V

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).

An optional fifth term of work experience for students in the Computing Science Co-operative Education Program. Units from this course do not count towards the units required for an SFU degree. Graded as pass/fail (P/F). Prerequisite: [CMPT 429](#), CGPA of 2.50. This course may be repeated for credit at most twice. Repeating for credit requires approval of the School.

EFFECTIVE TERM AND YEAR FOR CHANGES

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

Fall 2019

RATIONALE (must be included)

Students do not normally take more 5 or more co-op terms. This change is to deal with unusual situations that arise due to certain foreign co-op programs, such as the Japan co-op program. The programs in question are long-term (e.g. a full year), but also require that students have complete several prior co-op terms. This makes it hard for our students to take part in the programs. Because these are foreign programs the students must be on student visas and therefore must be enrolled in a course for the duration of the program. We do not want to add a sixth co-op course, which would signal to students that more co-op terms are normal. This change is consistent with those being made in other units.

COURSE SUBJECT	CMPT	NUMBER	473	TITLE	Software Quality Assurance
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TYPE OF CHANGES. Please type 'X' for the appropriate revision(s):

Course 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).

Title:
Software Quality Assurance
Software Testing, Reliability and Security

Description:
~~Factors in software quality include functionality, reliability, usability, efficiency, maintainability, and portability. Techniques for assessing the quality of software with respect to such factors, and methods for improving the quality of both software products and software development processes.~~
Methods for software quality assurance focusing on reliability and security. Test coverage and test data adequacy including combinatorial testing, MC/DC testing, and mutation testing. Security engineering techniques for vulnerability discovery and mitigation including fuzz testing. Testing techniques will be applied to the assessment of external open source software.

Prerequisites:
Prerequisite: CMPT 373
Prerequisites: (CMPT 275 or CMPT 276) and 15 upper division CMPT units.

EFFECTIVE TERM AND YEAR FOR CHANGES

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

Fall 2019

RATIONALE (must be included)

The new title and description reflect more accurately the current content and intended learning outcomes of the course. CMPT-373 is not required preparation for this revised version of CMPT 473.

COURSE SUBJECT	CRIM	NUMBER	449	TITLE	Major Crime and Forensic Analysis for Law Enforcement	+
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RATIONALE (must be included)

Course has not been taught since 2015 and was taught by sessionals. Course was dependent on several pieces of software that we were provided with by the sessional and his police connections. This software is no longer available to us. Also a course needs to be deleted in order to provide space from our new course, CRIM 406

EFFECTIVE TERM AND YEAR FOR CHANGES

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

Fall 2019

PLEASE DO THE FOLLOWING:

1. Attach a program impact list along with your course deletion form. Contact the Senate and Academic Services Office (sfucal@sfu.ca) for a program impact list.
2. Once you have the program impact list, please review how deleting this course affects each program's requirements.
3. If more substantial changes are required to programs as a result of this deletion, please also submit a program modification form.
4. If no further changes other than deletion is required in program requirements, please list those programs in the box below:

Police Studies Minor

Police Studies Certificate

Police Studies Post Baccalaureate Diploma

The course needs to be deleted from each of these programs. It is an elective and students still have a large number of choices so no impact foreseen.

Course Impact Analysis

None, the course is not a pre-requisite for any other courses and is an elective choice amidst many under the above programs

5. Lastly, please conduct a course impact analysis, which reviews the effect of a course number change and/or course deletion on course prerequisites. For instructions on how to do a course impact analysis, please visit [our page](#) and click on "deleting a course" and review Step 2. Course Impact Analysis.

COURSE SUBJECT	CRIM	NUMBER	335	TITLE	Human Rights and Civil Liberties
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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).

A study of the relationship between the government and the individual. Focus upon the Canadian Charter of Rights and Freedoms and its interpretation by the judiciary. Examination of the issues of equality before the law, freedom of speech, freedom of religion and freedom of expression. A study of human rights at the international, federal and provincial levels. Prerequisite: CRIM 330

EFFECTIVE TERM AND YEAR FOR CHANGES

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

Fall 2019

RATIONALE (must be included)

CRIM 330 not really required to take CRIM 335 and many students wanting to take this course were blocked as they have not yet completed CRIM 330.

COURSE SUBJECT

ECON

NUMBER

110

TITLE

Foundations of Economic Ideas

RATIONALE (must be included)

Course has been mothballed and there are no plans to offer again.

EFFECTIVE TERM AND YEAR FOR CHANGES

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

Fall 2019

PLEASE DO THE FOLLOWING:

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2. Once you have the program impact list, please review how deleting this course affects each program's requirements.
3. If more substantial changes are required to programs as a result of this deletion, please also submit a program modification form.
4. If no further changes other than deletion is required in program requirements, please list those programs in the box below:

There is no program or course impact.

5. Lastly, please conduct a course impact analysis, which reviews the effect of a course number change and/or course deletion on course prerequisites. For instructions on how to do a course impact analysis, please visit [our page](#) and click on "deleting a course" and review Step 2. Course Impact Analysis.

COURSE SUBJECT

ECON

NUMBER

250

TITLE

Economic Development in the Pre-Industrial Period

RATIONALE (must be included)

Course has been mothballed and there are no plans to offer again.

EFFECTIVE TERM AND YEAR FOR CHANGES

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

Fall 2019

PLEASE DO THE FOLLOWING:

1. Attach a program impact list along with your course deletion form. Contact the Senate and Academic Services Office (sfucal@sfu.ca) for a program impact list.
2. Once you have the program impact list, please review how deleting this course affects each program's requirements.
3. If more substantial changes are required to programs as a result of this deletion, please also submit a program modification form.
4. If no further changes other than deletion is required in program requirements, please list those programs in the box below:

There is no program or course impact.

5. Lastly, please conduct a course impact analysis, which reviews the effect of a course number change and/or course deletion on course prerequisites. For instructions on how to do a course impact analysis, please visit [our page](#) and click on "deleting a course" and review Step 2. Course Impact Analysis.

COURSE SUBJECT

ECON

NUMBER

300

TITLE

Introduction to Economics Concepts & Issues

RATIONALE (must be included)

Course has been mothballed and there are no plans to offer again.

EFFECTIVE TERM AND YEAR FOR CHANGES

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

Fall 2019

PLEASE DO THE FOLLOWING:

1. Attach a program impact list along with your course deletion form. Contact the Senate and Academic Services Office (sfiscal@sfu.ca) for a program impact list.
2. Once you have the program impact list, please review how deleting this course affects each program's requirements.
3. If more substantial changes are required to programs as a result of this deletion, please also submit a program modification form.
4. If no further changes other than deletion is required in program requirements, please list those programs in the box below:

There is no program or course impact.

5. Lastly, please conduct a course impact analysis, which reviews the effect of a course number change and/or course deletion on course prerequisites. For instructions on how to do a course impact analysis, please visit [our page](#) and click on "deleting a course" and review Step 2. Course Impact Analysis.

COURSE SUBJECT ECON NUMBER 220W TITLE Communication in Economics

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

Examine and review today's global economy through critical analysis of differing perspectives. Develop and improve critical thinking techniques and strategies for clear and effective written and oral communication of economic ideas. Improve critical and analytical thinking via the application of core principles to news stories or other economic data in writing and presentations. Prerequisite: Econ 201, minimum 30 units and no more than 80 units. This course is only open to approved Economics majors/joint majors/honours/joint honours/extended minor students.

EFFECTIVE TERM AND YEAR FOR CHANGES

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

Fall 2019

RATIONALE (must be included)

In the Spring of 2017, the economics department introduced a pilot version of this course, aimed at improving the writing and communication skills among the students in our undergraduate programs. We now make this course a mandatory component in all Economics undergraduate programs (excluding the Minor in Economics), thereby following the recommendations of the Hartse/Wallace report (2018), that was commissioned to explore ways of implementing additional support for international and multilingual students in the Department of Economics. The resources necessary to accomplish this curricular initiative have been approved by the Dean's office through the Economics Action plan.

COURSE SUBJECT ENGL NUMBER 380 TITLE Text and Performance

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).

A study of the performative dimensions of literary and other texts, and/or the use of text in performance. May be organized by genre/medium, social or cultural context, or critical approach. Prerequisite: ~~Two 200-division English courses~~ 45 units.

EFFECTIVE TERM AND YEAR FOR CHANGES

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

RATIONALE (must be included)

ENGL 380 is not a required course for the English major, nor for any 400-level ENGL course, but it is one of the core courses in the Performance Studies Certificate, which enrolls students across English, SCA, GSWS and Anthropology. These students, however, have trouble enrolling because of the current prereq structure, which requires two 200-level English courses. As a result, non-English students generally have to wait until almost the beginning of the semester to attempt to enroll in the class, which is tough on them and more often than not prevents them from even trying. As a result, the class often ends up under-enrolled. The English UCC does not anticipate this change negatively affecting our Majors/Minors.

COURSE SUBJECT	GA	NUMBER	300	TITLE	Asians and North Americans in Public Discourse (3)
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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).

GA 300 - Asians and North Americans in Public Discourse (3)
A cross-cultural examination of the ways we perceive and represent each other in public discourse, including literature, news media, cinema, and other education and entertainment media. Prerequisite: 45 units ~~including at least one lower division GA (or ASC) course.~~ Students with credit for ASC 300 may not take this course for further credit.

EFFECTIVE TERM AND YEAR FOR CHANGES

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

Fall 2019

RATIONALE (must be included)

To respond to program changes and to remove obstacles to program completion

COURSE SUBJECT	GA	NUMBER	301	TITLE	Asia-Canada Identities: Experiences and Perspectives
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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).

GA 301 - Asia-Canada Identities: Experiences and Perspectives (3)

This course will explore the experience of Asian immigrants and their children, focusing in particular on social and cultural aspects. Prerequisite: 45 units ~~including at least one lower division GA (or ASC) course~~. Students with credit for ASC 301 may not take this course for further credit.

EFFECTIVE TERM AND YEAR FOR CHANGES

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

Fall 2019

RATIONALE (must be included)

To respond to program changes and to remove obstacles to program completion

COURSE SUBJECT	GA	NUMBER	302	TITLE	Selected Topics in Chinese Studies
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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).

GA 302 - Selected Topics in Chinese Studies (3)
Content will vary according to interests of faculty and students but will involve China-related study within one or more of the social science or humanities disciplines.
Prerequisite: 45 units ~~including at least one lower division GA (or ASC) course.~~
Recommended: GA (or ASC 200).

EFFECTIVE TERM AND YEAR FOR CHANGES

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

Fall 2019

RATIONALE (must be included)

To respond to program changes and to remove obstacles to program completion

COURSE SUBJECT	GA	NUMBER	303	TITLE	Selected Topics in Japanese Studies (3)
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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).

GA 303 - Selected Topics in Japanese Studies (3)
Content will vary according to interests of faculty and students but will involve Japanese-related study within one or more of the social science or humanities disciplines. Prerequisite: 45 units ~~including at least one lower division GA (or ASC) course.~~ Recommended: GA (or ASC) 201.

EFFECTIVE TERM AND YEAR FOR CHANGES

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

Fall 2019

RATIONALE (must be included)

To respond to program changes and to remove obstacles to program completion

COURSE SUBJECT **GA** NUMBER **401** TITLE **Directed Studies****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).**GA 401 - Directed Studies (3)**

Individual study. Prerequisite: **45 units** ~~GA (or ASC) 101 or 102, one GA (or ASC) 300-level course, and permission of the Program Director. Students with credit for ASC 401 may not take this course for further credit.~~ **GA 401 may be repeated for credit only when a different topic is taught.**

EFFECTIVE TERM AND YEAR FOR CHANGES

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

Fall 2019**RATIONALE** (must be included)

To respond to program changes and to remove obstacles to program completion

COURSE SUBJECT	GA	NUMBER	400	TITLE	Selected Topics in Asia-Canada Studies
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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).

GA 400 - Selected Topics in Asia-Canada Studies **Global Asia (3)**
Prerequisite: 45 units including ~~at least one lower division GA (or ASC) course.~~

EFFECTIVE TERM AND YEAR FOR CHANGES

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

Fall 2019

RATIONALE (must be included)

To respond to program changes and to remove obstacles to program completion
[prerequisites]

To reflect program's new name [title change]

COURSE SUBJECT

GRK

NUMBER

110

TITLE

MODERN GREEK FOR BEGINNERS I

RATIONALE (must be included)

The course GRK 110 will be replaced by GRK 191, which will include redesigned assessment metrics for the assignments (10%), new in-class supervised midterm (30%) and final (60%) exam. The former, is replacing the existing course structure and evaluation scheme; namely, Online Homework Assignments (10%), Review Exam 1(20%), Review Exam 2 (20%), Review Exam 3 (20%), Review Exam 4(20%).The course is listed as one of ten courses (lower division requirements) students can register for, in order to obtain a Certificate in Hellenic Studies. Therefore, the impact of the deletion of GRK 110 and replacement with GRK 191 is minimal. Course number GRK 191 has not been used in the past ten years.

EFFECTIVE TERM AND YEAR FOR CHANGES

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

Fall 2019

PLEASE DO THE FOLLOWING:

1. Attach a program impact list along with your course deletion form. Contact the Senate and Academic Services Office (sfusal@sfu.ca) for a program impact list.
2. Once you have the program impact list, please review how deleting this course affects each program's requirements.
3. If more substantial changes are required to programs as a result of this deletion, please also submit a program modification form.
4. If no further changes other than deletion is required in program requirements, please list those programs in the box below:

Certificate in Hellenic Studies

5. Lastly, please conduct a course impact analysis, which reviews the effect of a course number change and/or course deletion on course prerequisites. For instructions on how to do a course impact analysis, please visit [our page](#) and click on "deleting a course" and review Step 2. Course Impact Analysis.

COURSE SUBJECT

GRK

NUMBER

160

TITLE

MODERN GREEK BEGINNERS II

RATIONALE (must be included)

The course GRK 160 will be replaced by GRK 192, which will include redesigned assessment metrics for the assignments (10%), new in-class supervised midterm (30%) and final (60%) exam. The former, is replacing the existing course structure and evaluation scheme; namely, Online Homework Assignments (10%), Review Exam 1 (15%), Review Exam 2 (15%), Midterm Exam (20%) and Final Exam (40%). The course is listed as one of ten courses (lower division requirements) students can register for, in order to obtain a Certificate in Hellenic Studies. Therefore, the impact of the deletion of GRK 110 and replacement with GRK 191 is minimal. Course number GRK 191 has not been used in the past ten years.

EFFECTIVE TERM AND YEAR FOR CHANGES

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

Fall 2019

PLEASE DO THE FOLLOWING:

1. Attach a program impact list along with your course deletion form. Contact the Senate and Academic Services Office (sfiscal@sfu.ca) for a program impact list.
2. Once you have the program impact list, please review how deleting this course affects each program's requirements.
3. If more substantial changes are required to programs as a result of this deletion, please also submit a program modification form.
4. If no further changes other than deletion is required in program requirements, please list those programs in the box below:

Certificate in Hellenic Studies

5. Lastly, please conduct a course impact analysis, which reviews the effect of a course number change and/or course deletion on course prerequisites. For instructions on how to do a course impact analysis, please visit [our page](#) and click on "deleting a course" and review Step 2. Course Impact Analysis.

COURSE SUBJECT

GRK

NUMBER

210

TITLE

MODERN GREEK INTERMEDIATE I

RATIONALE (must be included)

The course GRK 210 will be replaced by GRK 291, which will include redesigned assessment metrics for written assignments on randomly selected topics specifically prepared for each student (40%) and new in-class supervised final exam (60%). The former, is replacing the existing course structure and evaluation scheme; namely, online Homework Assignments (10%), Review Exam 1 (15%), Review Exam 2 (15%), Midterm Exam (20%) and Final Exam (40%). The change does not affect any program requirements. Course number GRK 291 has not been used in the past ten years.

EFFECTIVE TERM AND YEAR FOR CHANGES

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

Fall 2019

PLEASE DO THE FOLLOWING:

1. Attach a program impact list along with your course deletion form. Contact the Senate and Academic Services Office (sfusal@sfsu.ca) for a program impact list.
2. Once you have the program impact list, please review how deleting this course affects each program's requirements.
3. If more substantial changes are required to programs as a result of this deletion, please also submit a program modification form.
4. If no further changes other than deletion is required in program requirements, please list those programs in the box below:

5. Lastly, please conduct a course impact analysis, which reviews the effect of a course number change and/or course deletion on course prerequisites. For instructions on how to do a course impact analysis, please visit [our page](#) and click on "deleting a course" and review Step 2. Course Impact Analysis.

COURSE SUBJECT

GRK

NUMBER

260

TITLE

MODERN GREEK INTERMEDIATE II

RATIONALE (must be included)

The course GRK 260 will be replaced by GRK 292, which will include redesigned assessment metrics for written assignments on randomly selected topics specifically prepared for each student (40%) and new in-class supervised final exam (60%). The former, is replacing the existing course structure and evaluation scheme; namely, online Homework Assignments (10%), Review Exam 1 (15%), Review Exam 2 (15%), Midterm Exam (20%) and Final Exam (40%). The change does not affect any program requirements. Course Course number GRK 292 has not been used in the past ten years.

EFFECTIVE TERM AND YEAR FOR CHANGES

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

Fall 2019

PLEASE DO THE FOLLOWING:

1. Attach a program impact list along with your course deletion form. Contact the Senate and Academic Services Office (sfusal@sfu.ca) for a program impact list.
2. Once you have the program impact list, please review how deleting this course affects each program's requirements.
3. If more substantial changes are required to programs as a result of this deletion, please also submit a program modification form.
4. If no further changes other than deletion is required in program requirements, please list those programs in the box below:

5. Lastly, please conduct a course impact analysis, which reviews the effect of a course number change and/or course deletion on course prerequisites. For instructions on how to do a course impact analysis, please visit [our page](#) and click on "deleting a course" and review Step 2. Course Impact Analysis.

COURSE SUBJECT

HIST

NUMBER

130

TITLE

Fundamentals of World History

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).~~Fundamentals of World~~ Introduction to Global History**EFFECTIVE TERM AND YEAR FOR CHANGES**

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

Fall 2019

RATIONALE (must be included)

Revised title better reflects current terminology in the field.

COURSE SUBJECT

HUM

NUMBER

105

TITLE

Western Civilization from the
Ancient World to the
Reformation Era

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).

Title Change: ~~Western Civilization from the Ancient World to the Reformation Era~~
Many Europes: Ancient, Medieval, Early Modern

Description Change: ~~A study of some of the most important features of western civilization~~
~~the many diverse peoples, languages, and regions of the European continent~~
~~from its origins~~
~~the origins of civilization until the mid-16th century.~~
~~Students with credit for HIST 105 prior to 2007 may not take this course for further credit.~~
Breadth-Humanities.

EFFECTIVE TERM AND YEAR FOR CHANGES

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

Fall 2019

RATIONALE (must be included)

The revised course title and course description represent a more accurate reflection of the course's content and central themes. The new course title and course description also reflect the focus of the textbook regularly assigned for the course (that textbook is authored by one of the instructors of HUM 105, and it is adopted regularly by both instructors who regularly teach the course).

COURSE SUBJECT

HUM

NUMBER

222

TITLE

European Art

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

Units

Prerequisite

Title

X

Description

X

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).HUM 222 - European Cross-Cultural Perspectives on Art

European Art as viewed through the history of art forms, ideas, material culture, and/or literature. Prerequisite: 30 units. Breadth-Humanities.

EFFECTIVE TERM AND YEAR FOR CHANGES

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

Fall 2019

RATIONALE (must be included)

Course has not been offered for 20 years. In line with five-year plan to create more geographical balance in course offering.

COURSE SUBJECT	HUM	NUMBER	240	TITLE	Studies in Modern European Culture
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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).

HUM 240 - Studies in Modern European Culture (3)

A thematic approach to European two or more cultures through the examination of a selection from historical, literary, philosophical and/or aesthetic materials.

Prerequisite: 30 units. Breadth-Humanities.

EFFECTIVE TERM AND YEAR FOR CHANGES
Fall, Spring, Summer and year (please enter in textbox)

Fall 2019

RATIONALE (must be included)

This change is in line with our five-year plan to create more geographical balance in our course offering.

COURSE SUBJECT	HUM	NUMBER	320	TITLE	The Humanities and Philosophy
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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	X	Description	X	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).

HUM 320 - The Humanities and Cross-Cultural Philosophy in the Humanities (4)
An exploration of the characteristic ways in which the humanities, with its emphasis on expression, belief and tradition, presents the important philosophical concepts of western civilization. Based upon an interdisciplinary selection of texts drawn from history, philosophy, literature and the arts. Prerequisite: 45 units. Breadth-Humanities.

EFFECTIVE TERM AND YEAR FOR CHANGES

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

Fall 2019

RATIONALE (must be included)

A broadening of the course description that is in line with the commitment in the five-year plan to offer courses in global humanities.

COURSE SUBJECT HUM NUMBER 330 TITLE Religion in Context

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).

HUM 330 - Religions in Context (4)

An in-depth investigation of a specific case of religious history and tradition. Religions will be studied through the cultural and historical contexts that pervade and structure religious meaning and expression. Students may repeat this course for further credit under a different topic. Prerequisite: 45 units. Breadth-Humanities.

EFFECTIVE TERM AND YEAR FOR CHANGES

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

Fall 2019

RATIONALE (must be included)

Making “religion” plural avoids declaring a bias in favour of religion as *sui generis*.

COURSE SUBJECT	HUM	NUMBER	385	TITLE	Selected Topics in European Studies
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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).

HUM 385 - Selected Topics in European ~~Studies~~ Cultures (4)
An interdisciplinary approach to a topic focusing on European thought and culture.
Prerequisite: 45 units.

EFFECTIVE TERM AND YEAR FOR CHANGES

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

Fall 2019

RATIONALE (must be included)

This title change reflects its parallel status in relation to HUM 382: Selected Topics in Asian Cultures.

COURSE SUBJECT	IS	NUMBER	309	TITLE	Special Topics I
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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).

IS 309 - Special Topics I in International Security and Conflict (4)

Specific details of courses to be offered will be published prior to enrolment each term. Prerequisite: 45 units.

EFFECTIVE TERM AND YEAR FOR CHANGES

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

Fall 2019

RATIONALE (must be included)

We are clarifying the theme of this special topics course.

The short title for the course should be "ST: Security & Conflict".

COURSE SUBJECT	IS	NUMBER	319	TITLE	Special Topics II
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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).

IS 319 - Special Topics II in Comparative World Politics, Culture and Society (4)

Specific details of courses to be offered will be published prior to enrolment each term. Prerequisite: 45 units.

EFFECTIVE TERM AND YEAR FOR CHANGES

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

Fall 2019

RATIONALE (must be included)

We are clarifying the theme of this special topics course.

The short title for the course should be "ST: Politics & Society".

COURSE SUBJECT

IS

NUMBER

329

TITLE

Special Topics III

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).IS 329 - Special Topics III in International Development, Economic and Environmental Issues (4)

Specific details of courses to be offered will be published prior to enrolment each term. Prerequisite: 45 units.

EFFECTIVE TERM AND YEAR FOR CHANGES

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

Fall 2019

RATIONALE (must be included)

We are clarifying the theme of this special topics course.

The short title for the course should be "ST: Development".

COURSE SUBJECT

IS

NUMBER

450W

TITLE

Seminar on Global Problems in
Interdisciplinary Perspective**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).IS 450W 350W - Seminar on Global Problems in Interdisciplinary Perspective (4)

An interdisciplinary course which aims to bring together different ~~disciplinary~~ perspectives on international affairs through the study of in-depth particular contemporary problems. Prerequisite: International Studies major or ~~honors~~ honours students. ~~90~~ 60 units. Writing.

EFFECTIVE TERM AND YEAR FOR CHANGES

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

Fall 2019

RATIONALE (must be included)

This course focuses on policy writing and provides students with intensive feedback aimed at helping them develop policy-related research and writing skills. We are moving it from the 400- to the 300-level so that students can benefit from this training at an earlier stage in their course work. Many students have asked for this change and have indicated that the skills they learned in this class would have been useful in their earlier course work.

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MEMORANDUM

ATTENTION Catherine Murray, Associate Dean, FASS **DATE** January 17, 2019

FROM Susan Rhodes, Director **PAGES** 1
University Curriculum & Institutional Liaison

RE: FASS IS/LBST Breadth designation approval

The University Curriculum Office has approved **Breadth Social Science (B-Soc)** designations for the following proposed cross-listed International Studies/Labour Studies courses, effective Fall 2019 (1197):

IS 221/LBST 201 Workers in the Global Economy: Globalization, Labour and Uneven Development

Please forward this memo to your Faculty Curriculum Committee, SCUS and Senate for further approvals.

cc: Brenda Lyshaug, UGC Chair, School of International Studies
Kendra Strauss, Director, Labour Studies Program

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MEMORANDUM

ATTENTION Catherine Murray, Associate Dean, FASS **DATE** October 13, 2017

FROM Susan Rhodes, Director
University Curriculum & Institutional Liaison **PAGES** 1

RE: FASS B designation approval

The University Curriculum Office has approved **B-Soc** designation for the following Labour Studies course, effective Fall 2019 (1197):

LBST 308-3 The Labour Process: Work and Technological Change

Please forward this memo to your Faculty UCC and then on to SCUS and Senate for further approval.

cc: Kendra Strauss, Director, Labour Studies Program

COURSE SUBJECT LING NUMBER 220 TITLE Introduction to Linguistics

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).

An introduction to linguistic analysis. The description and analysis of language patterns. Focuses on the structure of sounds, words, sentences, and meaning.

EFFECTIVE TERM AND YEAR FOR CHANGES

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

Fall 2019

RATIONALE (must be included)

The new description provides more detail by emphasizing an important course component (description) and the areas studied (types of linguistic structure). The detail will help students understand better what the course involves.

COURSE SUBJECT	LING	NUMBER	280	TITLE	Interdisciplinary Topics in Linguistics
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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).

Introduces students to topics in which fundamental concepts of Linguistics are combined with concepts from other fields in order to answer applied or theoretical questions. As topics examined may vary by term, this course may be repeated once for credit if the topic is different.

EFFECTIVE TERM AND YEAR FOR CHANGES

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

Fall 2019

RATIONALE (must be included)

The course credit clause makes Ling 280 parallel to similar special topics courses (Ling 282W, 480) and gives students more choice in satisfying their lower division requirements.

COURSE SUBJECT ARAB NUMBER 134 TITLE Introductory Arabic I

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

Course number	<input checked="" 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).

ARAB 134 100
Introductory to Arabic I

Includes the study of the modern standard Arabic language, its grammar and, vocabulary, and history. Provide students with basic written and oral skills in Classical Arabic. Provide students with a history of Arabic literature, texts and expose them to the (modern) language, and to some major aspects of the Middle Eastern and North African cultures. Note that this course is an introductory Arabic language; students with a competence in the language beyond the level of this course will be required to withdraw. Students with credit for LANG 134 or ARAB 134 may not repeat this course for further credit.

EFFECTIVE TERM AND YEAR FOR CHANGES

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

Fall 2019

RATIONALE (must be included)

To create numbering consistent with other language courses

COURSE SUBJECT PHIL NUMBER 120W TITLE Moral Problems

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).

PHIL 120W – Moral and Legal Problems (3)

A critical examination of a range of questions and problems we confront as moral agents, such as: the nature and scope of our moral responsibilities, the source of our moral and civil rights, and the role of moral emotions, like resentment, love and forgiveness moral and legal issues we confront in our dealings with the state and our fellow human beings, such as: Is it wrong to break the law? Should pornography and recreational drugs be illegal? Do animals have rights? Is there a duty to admit immigrants? Are there duties to the world's poor? Are indigenous peoples owed reparations? Students with credit for PHIL 120 may not take this course for further credit. Writing/Breadth-Humanities.

EFFECTIVE TERM AND YEAR FOR CHANGES

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

Fall 2019

RATIONALE (must be included)

The change in title and calendar description better reflects the topics and scope of the course as it is offered by current faculty.

COURSE SUBJECT PHIL NUMBER 329 TITLE Law and Philosophy

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).

PHIL 329 - Law and Philosophy Law and Justice (3)

Explores in detail classic problems in the law using the methods and resources of philosophy. Topics may include: the philosophy of punishment and theories of moral responsibility; charter equality rights and the nature of social equality; constitutional interpretation and the philosophy of language; the assessment of evidence and formal epistemology; the intellectual origins of the theory of natural law and natural rights; the relationship between the law and theories of justice. Topics range over: the philosophy of punishment, theories of moral responsibility, charter equality rights, and theories of distributive justice. Prerequisite: One of PHIL 120W (or equivalent), 121, 220, 221, ENV 320W, or with permission of instructor. Students with credit for PHIL 333 in Spring 2016 cannot take this course for further credit.

EFFECTIVE TERM AND YEAR FOR CHANGES
Fall, Spring, Summer and year (please enter in textbox)

Fall 2019

RATIONALE (must be included)

The change in title and calendar description better reflects the way that this course has been taught in every iteration offered so far. It is thus a more accurate description of what the course in fact offers.



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MEMORANDUM

ATTENTION Catherine Murray, Associate Dean, FASS **DATE** January 17, 2019

FROM Susan Rhodes, Director
University Curriculum & Institutional Liaison **PAGES** 1

RE: POL W designation

The University Curriculum Office has approved the addition of a **W** designation to the following course, effective Fall 2019 (1197):

POL 200 Investigating Politics: Research Design and Qualitative Methods

Please forward this memo to your Faculty UCC and then on to SCUS and Senate for further approval.

cc: Steve Weldon, UGC Chair, Department of Political Science

COURSE SUBJECT	POL	NUMBER	200 W	TITLE	Investigating Politics: Research Design and Qualitative Methods
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TYPE OF CHANGES: Please type 'X' for the appropriate revision(s):

Course number	<input type="checkbox"/>	Units	<input checked="" 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).

POL 200W - Investigating Politics: Research Design and Qualitative Methods (3 4)

Introduces different aspects of research design in political science, as well as different qualitative research techniques and the epistemological perspectives that inform them. Introduces important analytical and conceptual skills necessary to understand and evaluate political science research. ~~Students with credit for POL 202 may not take this course for further credit. Students with credit for POL 200 may not take this course for further credit.~~

EFFECTIVE TERM AND YEAR FOR CHANGES
Fall, Spring, Summer and year (please enter in textbox)

Fall 2019

RATIONALE (must be included)

This required course for the major and extended minor is a tight fit at only 3 contact hours per week, especially as a W course intended to prepare our students for quality writing in upper division courses. We believe this course is more appropriate at 4 contact hours per week, especially with the new W designation, and will improve student learning outcomes for our students. Note that we are making the same change to POL 201, also a required course for the major/extended minor.

COURSE SUBJECT

POL

NUMBER

200

TITLE

Investigating Politics: Research Design and
Qualitative Methods

+

RATIONALE (must be included)

POL 200 is being replaced with POL 200W and we do not plan to offer POL 200 again.

EFFECTIVE TERM AND YEAR FOR CHANGES

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

Fall 2019

PLEASE DO THE FOLLOWING:

1. Attach a program impact list along with your course deletion form. Contact the Senate and Academic Services Office (sfucal@sfu.ca) for a program impact list.
2. Once you have the program impact list, please review how deleting this course affects each program's requirements.
3. If more substantial changes are required to programs as a result of this deletion, please also submit a program modification form.
4. If no further changes other than deletion is required in program requirements, please list those programs in the box below:

5. Lastly, please conduct a course impact analysis, which reviews the effect of a course number change and/or course deletion on course prerequisites. For instructions on how to do a course impact analysis, please visit [our page](#) and click on "deleting a course" and review Step 2. Course Impact Analysis.

COURSE SUBJECT

POL

NUMBER

201

TITLE

Introductory Quantitative
Methods in Political Science**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).**POL 201 - Introductory Quantitative Methods in Political Science (3 4)**

Introduces quantitative research techniques in political science. Introduces important analytical and conceptual skills necessary to understand and evaluate quantitative political science research. Prerequisite Corequisite: POL 200W or permission of department. Students with credit for IS-240 may not take POL 201 for further credit. Quantitative.

EFFECTIVE TERM AND YEAR FOR CHANGES

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

Fall 2019

RATIONALE (must be included)

This required course for the major and extended minor is a tight fit at only 3 contact hours per week, given the amount of material covered and its importance in preparing our students for upper division courses. Students also have expressed concern about the amount of time to learn the material and the required workload relative to the number of units. We believe this course is more appropriate at 4 contact hours per week and will improve student learning outcomes for our students. Note that we are making the same change to POL 200, which we are also making a W course.

The rationale for moving POL 200 from a pre-requisite to a co-requisite is to better accommodate transfer students and improve access to our major for students. Neither POL 200 nor POL 201 are offered at local colleges and teaching universities. This makes it difficult for them to transition to our program, especially when 200 is a formal prerequisite for 201. Making 200 a co-requisite for 201 instead maintains the importance of these two core courses but should improve student time-to-completion rates.

COURSE SUBJECT SA NUMBER 301 TITLE Contemporary Ethnography

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).

A consideration of key themes in contemporary anthropology. ~~This course a~~ Addresses theoretical and methodological questions by examining the work of contemporary anthropologists conducting research in diverse locations around the world. Prerequisite: SA 201W. ~~Students with credit for SA 370 may not take SA 301 for further credit.~~

EFFECTIVE TERM AND YEAR FOR CHANGES

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

Fall 2019

RATIONALE (must be included)

This changes the equivalent course statement; the course was deleted in 1986. Slight wording change to meet current guidelines.

COURSE SUBJECT	SA	NUMBER	335	TITLE	Gender Relations and Social Issues
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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).

A sociological study of the position of women and men in major social institutions in western industrial societies, in particular Canada. Social institutions that may be examined include: the family, education, the economy, the polity, law, and the mass media. Particular attention will be paid to social policy issues. Together we will think about how gender influences and suffuses social interaction, in both historical and contemporary contexts; consider how assumptions and expectations about gender shape identity, the things people do, and how they do them; and discuss gender inequality and equality across society. Prerequisite: SA 101 or 150 or 201W. Students with credit for SA 292 (when offered as gender relations) or GSWS 308 (or WS 308) may not take SA 335 for further credit.

EFFECTIVE TERM AND YEAR FOR CHANGES

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

Fall 2019

RATIONALE (must be included)

This update to the description is designed to be more accessible for students. In addition, two courses are removed from the course equivalence statement. They no longer exist, and were last taught in 2004 (SA 292) or 2008 (WS 308).

COURSE SUBJECT

SA

NUMBER

340

TITLE

Social Issues and Social Policy Analysis

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).

An examination of how sociological and anthropological theories and methods can be applied to the examination of social problems and issues which become the object of social policy. A central concern of the course is the question of how social issues are defined as problematic. Particular attention will be given to gender, ethnicity, class and generation. Substantive examples of social policy issues will be selected from a number of fields. How do environmental challenges, the contradictions of capitalism, and histories of violence shape contemporary life? How do social issues affect our identities, communities, and sense of belonging? Students learn how to wield sociological and anthropological concepts and theories through clear and analytical communication and writing. Prerequisite: SA 101 or 150 or 201W.

EFFECTIVE TERM AND YEAR FOR CHANGES

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

Fall 2019

RATIONALE (must be included)

This update to the description is designed to be more accessible for students.

COURSE SUBJECT

SA

NUMBER

388

TITLE

Comparative Studies of
Minority Indigenous Peoples**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).

The social and cultural patterns of aboriginal populations within various modern nation-states. Their relations with majority societies and with other indigenous groups across the world. In this intensive seminar, we compare political actions and social movements of indigenous peoples across several countries; analyze development of these movements over time; and discuss factors affecting the timing, reception, intensity and nature of these politics. Students write research papers on topics they develop. Prerequisite: SA 101 or 150 or 201W.

EFFECTIVE TERM AND YEAR FOR CHANGES

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

Fall 2019

RATIONALE (must be included)

This is a broad rewrite of the description.

COURSE SUBJECT **BUS** NUMBER **360W** TITLE **Business Communication****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).

Prerequisite: This course is open to students admitted prior to Fall 2014 to the Business Administration major, honours, or second degree program and who have 45 units, OR to students admitted Fall 2014 - Summer 2017 to the Business Administration major, honours, or second degree program and who have 45 units and BUS 130 or 201 or 202 or 301, OR to student admitted Fall 2017 - onwards to the Business Administration major, honours, or second degree program and who have 45 units and BUS 130 or 201 or 202 or 301 and BUS 217W, OR to Business Administration joint major, or joint honours, or double degree students with **BUS 217W and 45 units, OR to Business and Economics Joint Major students with ECON 220W and 45 units, OR to Mechatronics Systems Engineering and Business Administration double degree students with 45 units, OR to** Management Systems Science or Actuarial Science majors with 45 units, OR to Data Science majors with BUS 217W and 45 units. Students who have taken BUS 360 may not take this course for further credit.

EFFECTIVE TERM AND YEAR FOR CHANGES

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

Fall 2019

RATIONALE (must be included)

BUS 217W is a required course for students in Joint Major & Joint Honours programs in Business and should therefore be listed as a prerequisite for BUS 360W for those students. BUS 217W is waived as a requirement and as a prerequisite for BUS 360W for BUS-MSE double degree students, so they have been separated from the Joint Major & Joint Honours students.

Students in a Business & Economics Joint Major program may take ECON 220W OR BUS 217W as a prerequisite, so this language makes that substitution explicit. These edits make the requisites clearer and more accurate for students when they read them.

COURSE SUBJECT **BUS** NUMBER **475** TITLE **Sustainable Operations****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).Prerequisite: BUS 360W; ~~90~~ **60** units. Students with credit for BUS 49X Selected Topics (Sustainable Operations) may not take this course for further credit.**EFFECTIVE TERM AND YEAR FOR CHANGES**
Fall, Spring, Summer and year (please enter in textbox)**Fall 2019**

RATIONALE (must be included)

Other 400-level courses in the operations management concentration only require a 60 unit prerequisite, and this change will create consistency between BUS 475 and the other operations courses.

This change will also allow students to take this course earlier in their academic progress (third or fourth year instead of only in fourth year), allowing more flexibility with their course planning.

COURSE SUBJECT BUS NUMBER 439 TITLE Analytics Project

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 complex, real-world decision making issues using an evidence-based approach that employs decision making strategies involving statistics, data management, analytics, and decision theory. Through a major decision making project within the community, students will experience first-hand the process of consultation, data acquisition, analysis, and recommendation. The data in the project will be proprietary to the community partners and students thus need to sign a non-disclosure agreement. A non-disclosure agreement template is attached to the course outline. The results of the project will remain the intellectual property of the students; notwithstanding, those results will be shared with the data provider. Students also have an option to complete a project with non-proprietary data. Prerequisite: BUS 345 or BUS 440, BUS 360W, BUS 437 or BUS 441, BUS 445, BUS 462, and BUS 464; 90 units; OR Data Science majors with BUS 360W, BUS 445, CMPT 354, and 90 units.

EFFECTIVE TERM AND YEAR FOR CHANGES

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

Fall 2019

RATIONALE (must be included)

SFU's general counsel has recommended that we add information to the course description alerting students that they will be working with proprietary information and will be required to sign a non-disclosure agreement and that an alternate option is available if they do not wish to sign the NDA.



General Privacy and Confidentiality Agreement

In the course of my employment or volunteer activities with Simon Fraser University, I may obtain access to personal information about other people including students, faculty members, staff, alumni and members of the public. I understand it is illegal to disclose this personal information:

1. to anyone outside the University unless the law explicitly permits it;
2. to anyone inside the University who does not need to know it to perform their work; and
3. to store and access the information outside Canada unless the law explicitly permits it.

I understand I have a legal duty to protect the privacy of individuals whose personal information I obtain access to. I promise to keep personal information confidential and to handle it in accordance with: 1) the Freedom of Information and Protection of Privacy Act and its Regulations, 2) University Policy I10.04 - Access to Information and Protection of Privacy and 3) applicable department policy.

I understand that I may be subject to the imposition of a disciplinary sanction and/or to a legal penalty if I, without authority, access, collect, use, disclose, store, retain and dispose of personal information in ways not permitted by law and University policy.

I understand that my legal obligation survives termination of my employment or volunteer activities at Simon Fraser University. By my signature I acknowledge that I have read and will abide by this agreement.

Department (Please print)

Name (Please print)

Signature

Date

Witness Name (Please print)

Signature

Date

Protection of privacy rights and responsibilities at SFU is administered according to the provisions of BC's *Freedom of Information and Protection of Privacy Act* (FIPPA) and the University's Information Policies, published in its Policy Gazette. For more information speak with your immediate supervisor, contact the Information and Privacy Officer and look at SFU's FIPPA website at www.sfu.ca/archives/foipop.

COURSE SUBJECT	PUB	NUMBER	375	TITLE	Magazine Publishing
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TYPE OF CHANGES. Please type 'X' for the appropriate revision(s):

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

Magazine Media Publishing

A practical course covering core issues in magazine publishing. Topics include business best practices, marketing, advertising and circulation, editorial vision, online and digital publishing, design and packaging. A project course covering core issues in magazine media publishing whether it is in print, online, video, audio, or interactive media. The course covers best practices for team work, publishing, editorial, design marketing and distribution. Prerequisite: 60 units. Students with credit for CMNS 375 may not take this course for further credit.

EFFECTIVE TERM AND YEAR FOR CHANGES

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

Fall 2019

RATIONALE (must be included)

The new title and description reflect the changes made to the course structure and topics, which address changes in the magazine publishing industry.

COURSE SUBJECT CA NUMBER 131 TITLE Filmmaking I

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).

An introductory course in 16-mm. film production, emphasizing creative use of the medium. Each student is expected to conceive, direct and edit a short film ~~with a non-synchronous sound track~~, as well as participate in the making of class exercises and other students' films. A laboratory fee is required. Students should be advised that film production will probably incur significant costs in addition to lab fees. Prerequisite: CA (or FPA) 130 and prior approval. Students with credit for FPA 131 may not take this course for further credit.

EFFECTIVE TERM AND YEAR FOR CHANGES
Fall, Spring, Summer and year (please enter in textbox)

Fall 2019

RATIONALE (must be included)

Since the acquisition of new digital cinema cameras in 2018, the Film program can now offer also 1st and 2nd year students a full range of film-production workflow options which include a synchronous sound track.

COURSE SUBJECT CA NUMBER 230 TITLE Filmmaking 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 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).

The first of two courses (CA (or FPA) 231-5 is the second) which form an intensive study of the craft of ~~sync sound 16 mm~~ filmmaking, with an emphasis on production planning, creative development and the shooting and editing of short films. In-class exercises and film screenings will lead to the production of several original films. Each student will be expected to play major creative and technical roles in these productions. A laboratory fee is required. Film production may require personal funding in addition to the lab fees. Prerequisite: CA (or FPA) 131, and CA (or FPA) 136 or 137, and prior approval. Corequisite: CA 233. Students who have taken CA (or FPA) 330 for credit may not complete this course for further credit. Students with credit for FPA 230 may not take this course for further credit.

EFFECTIVE TERM AND YEAR FOR CHANGES

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

Fall 2019

RATIONALE (must be included)

Since the acquisition of new digital cinema cameras in 2018, the Film program can now offer also 1st and 2nd year students a full range of film-production workflow options.

COURSE SUBJECT CA NUMBER 231 TITLE Filmmaking III

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).

This course continues the work begun in CA (or FPA) 230-5 Filmmaking II. Students will acquire proficiency in film technique through lab exercises, readings and film screenings. As well, all students will participate in the completion of short original sync-sound 16-mm. films which were begun in CA (or FPA) 230. Emphasis is placed on the development of means for creative expression supported by technical skills. Laboratory fee required. Students should be advised that film production will probably incur significant costs in addition to lab fees. Prerequisite: CA (or FPA) 230 and CA (or FPA) 233. Students with credit for FPA 231 may not take this course for further credit.

EFFECTIVE TERM AND YEAR FOR CHANGES
Fall, Spring, Summer and year (please enter in textbox)

Fall 2019

RATIONALE (must be included)

Since the acquisition of new digital cinema cameras in 2018, the Film program can now offer also 1st and 2nd year students a full range of film-production workflow options.

COURSE SUBJECT CA NUMBER 233 TITLE The Techniques of Film

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	X	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).

Covers the technical aspects of basic ~~16 mm~~ film production skills: camera, lighting, sound, editing, lab processes. Laboratory fee required. Prerequisite: CA (or FPA) 131 and prior approval. Corequisite: CA 230. Students with credit for FPA 233 may not take this course for further credit.

EFFECTIVE TERM AND YEAR FOR CHANGES

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

Fall 2019

RATIONALE (must be included)

Since the acquisition of new digital cinema cameras in 2018, the Film program can now offer also 1st and 2nd year students a full range of film-production workflow options.

COURSE SUBJECT CA NUMBER 335 TITLE Introduction to Film Theory

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"/>
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Title	<input type="checkbox"/>	Description	<input type="checkbox"/>	Equivalent Statement	<input type="checkbox"/>
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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 is concerned with the systematic understanding of the general phenomenon called Cinema rather than with the properties or techniques of individual films. Various theoretical positions will be assessed and compared in terms of cinematic practice and its ideological functions. Prerequisite: Six units from among CA (or FPA) 136, 137, 211, 236, 237. Recommended: CA (or FPA) 210W (or 210). May be of particular interest to students in other departments. Students who have credit for CA (or FPA) 234 may not take this course for further credit. Students with credit for FPA 335 may not take this course for further credit.

EFFECTIVE TERM AND YEAR FOR CHANGES

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

Fall 2019

RATIONALE (must be included)

CA211 is no longer an existing course code, and hasn't been for over ten years.

COURSE SUBJECT

CMNS

NUMBER

259

TITLE

SOUND STUDIES I: LISTENING,
CULTURE AND SOCIETY**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).

SOUND STUDIES I: LISTENING, CULTURE AND SOCIETY (3)

EFFECTIVE TERM AND YEAR FOR CHANGES

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

Fall 2019

RATIONALE (must be included)

CMNS 259 and CMNS 359 are no longer laddered courses. To avoid confusion and promote streamlining between the two courses.

COURSE SUBJECT	CMNS	NUMBER	359	TITLE	SOUND STUDIES II: RESEARCHING WITH SOUND (4)
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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).

SOUND STUDIES II: RESEARCHING WITH THE CULTURE AND POLITICS OF SOUND (4)

~~Building on Sound Studies I (CMNS 259), t~~ What do spectrograms, WWII and bird science have in common? What happens when we listen to sound and music? This seminar and lab course is designed to support ~~intermediate level active, applied upper level~~ project work in the field of cultural sound studies using communications approaches, media analysis, audio production, and reflexive ethnography. ~~Surveys a wide range of theory and research practices associated with orality and oral communication, Topics include but are not limited to: cultural aspects of listening, auditory perception, systems for measurement and evaluation of sound, soundwalking and urban sound design, race and gender dimensions of sound, audio techniques and formats in music production, sound design, soundmapping, hearing prostheses, and data sonification. Prerequisite: CMNS 259 45 unit. Recommended: CMNS 259.~~

EFFECTIVE TERM AND YEAR FOR CHANGES

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

Fall 2019

RATIONALE (must be included)

CMNS 259 and CMNS 359 are no longer laddered courses. To avoid confusion and promote streamlining between the two courses. Also, to better represent the content of the course. This prerequisite is regularly being waived and is not essential for students to succeed in the course.

COURSE SUBJECT CHEM NUMBER 464 TITLE Quantum Chemistry

TYPE OF CHANGES. Please type 'X' for the appropriate revision(s):Course number X Units Prerequisite Title Description Equivalent Statement X**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).CHANGE: CHEM 464 364 (i.e., move the 4th year course to the 3rd year levelEquivalency Statement: Students with credit for CHEM 464 or PHYS 385 may not take this course for further credit.**EFFECTIVE TERM AND YEAR FOR CHANGES**
Fall, Spring, Summer and year (please enter in textbox)

Fall 2019

RATIONALE (must be included)The course content is more consistent with 3rd year material (the required CHEM and MATH prerequisites are at the 2xx level), and the equivalent PHYS 385 course is already at the 3rd year level.

The renumbering will also encourage students to take this course earlier in their undergraduate career.

COURSE SUBJECT	MBB	NUMBER	481-5	TITLE	Individual Study Semester - Honours Thesis
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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).

MBB 481 - Individual Study Semester Directed Research - Honours Thesis (5)

MBB 481 is one of three Directed Research courses taken concurrently to fulfill the requirements of the MBB Honours program (Option A). This course Part 1 of a 3-part honours degree program, the individual study semester (ISS). The ISS provides students with the opportunity to carry out full time laboratory research in molecular biology and biochemistry under the supervision of an MBB faculty member or associate. The grade for MBB 481 encompasses the research design aspect of the ISS project, consisting of the research proposal and honours thesis. Prerequisites: MBB 308, MBB 309W and MBB 331-E, enrollment in the MBB or Biological Physics Honours Program, a minimum 3.0 CGPA and 3.0 UDGPA and permission of the MBB department. Corequisites: MBB 482 and MBB 483.

EFFECTIVE TERM AND YEAR FOR CHANGES

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

Fall 2019

RATIONALE (must be included)

The name "Directed Research" better describes this course, in which students perform laboratory research under the supervision of an MBB faculty member or associate. The course description has been revised to reflect the name change and to be consistent with descriptions for other Directed Research courses.

COURSE SUBJECT	MBB	NUMBER	482-5	TITLE	Individual Study Semester - Honours Research Performance
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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	X	Description	X	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).

MBB 482 - Individual Study Semester Directed Research - Honours Research Performance (5)

MBB 482 is one of three Directed Research courses taken concurrently to fulfill the requirements of the MBB Honours program (Option A). This course Part 2 of a 3-part honours degree program, the individual study semester (ISS). The ISS provides students with the opportunity to carry out full time laboratory research in molecular biology and biochemistry under the supervision of an MBB faculty member or associate. The grade for MBB 482 encompasses the research performance aspect of the ISS project. Prerequisites: MBB 308, MBB 309W and MBB 331-E, enrollment in the MBB or Biological Physics Honours Program, a minimum 3.0 CGPA and 3.0 UDGPA and permission of the MBB department. Corequisites: MBB 481 and MBB 483.

EFFECTIVE TERM AND YEAR FOR CHANGES

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

Fall 2019

RATIONALE (must be included)

The name "Directed Research" better describes this course, in which students perform laboratory research under the supervision of an MBB faculty member or associate. The course description has been revised to reflect the name change and to be consistent with descriptions for other Directed Research courses.

COURSE SUBJECT	MBB	NUMBER	483-5	TITLE	Individual Study Semester - Honours Thesis Defense
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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).

MBB 483 - Individual Study Semester Directed Research - Honours Thesis Defense (5)

MBB 483 is one of three Directed Research courses taken concurrently to fulfill the requirements of the MBB Honours program (Option A). This course Part 2 of a 3-part honours degree program, the individual study semester (ISS). The ISS provides students with the opportunity to carry out full time laboratory research in molecular biology and biochemistry under the supervision of an MBB faculty member or associate. The grade for MBB 483 encompasses the defense component of the ISS research project. Prerequisites: MBB 308, MBB 309W and MBB 331. Enrollment in the MBB or Biological Physics Honours Program, a minimum 3.0 CGPA and 3.0 UDGPA and permission of the MBB department. Corequisites: MBB 481 and MBB 482.

EFFECTIVE TERM AND YEAR FOR CHANGES

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

Fall 2019

RATIONALE (must be included)

The name "Directed Research" better describes this course, in which students perform laboratory research under the supervision of an MBB faculty member or associate. The course description has been revised to reflect the name change and to be consistent with descriptions for other Directed Research courses.

COURSE SUBJECT MBB NUMBER 491-5 TITLE Individual Study Semester

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).

MBB 491 - Individual Study Semester Directed Research I (5)

MBB 491 is offered as a stand-alone Directed Research course open to MBB Majors, or as the first of two courses taken consecutively to fulfill the requirements of the MBB Honours program (Option B). This course provides students with the opportunity to carry out part time laboratory research in an area of molecular biology or biochemistry under the supervision of an MBB faculty member or associate. MBB 491-5 can be taken as a stand-alone course by MBB majors, or as the first of two courses for Option B of an honours thesis. MBB 491 coursework will include the preparation of a research proposal, and a report and oral presentation on the results of the project and an oral presentation of the research. Before seeking approval for enrollment in this course, the student should obtain the agreement of an MBB faculty member that he/she is willing to supervise the project and prepare in collaboration with the supervisor, a one-page Letter of Intent stating the nature of the research project. Prerequisites: MBB 308 or MBB 309W and permission of the MBB department. Upper level standing in an MBB major, minor or honours program is required.

EFFECTIVE TERM AND YEAR FOR CHANGES

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

Fall 2019

RATIONALE (must be included)

The name "Directed Research I" better describes this course, in which students perform laboratory research under the supervision of an MBB faculty member or associate. The course description has been revised to reflect the name change and to be consistent with descriptions for other Directed Research courses. Students with upper level standing in the MBB minor program are now permitted to enroll in MBB 491.

COURSE SUBJECT MBB NUMBER 492-10 TITLE Individual Study Semester

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	X	Description	X	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).

MBB 492 - Individual Study Semester Directed Research II (10)

MBB 492 is the second of two courses taken consecutively to fulfill the requirements of the MBB Honours program (Option B). Two-thirds of full-time laboratory research in an area of molecular biology or biochemistry. This course is the second of two courses, MBB 491 and MBB 492, taken as Option B of the MBB honours program. It The research project is typically a continuation of a research project that began in the MBB 491 project, under the supervision of supervised by the same faculty member. The course will includes the preparation of a research proposal, a comprehensive written research report and an oral presentation on the results of the project. Prerequisites: MBB 491, MBB 308, MBB 309W and MBB 331, enrollment in the MBB honours program, a minimum 3.0 CGPA and 3.0 UDGPA and permission of the department.

EFFECTIVE TERM AND YEAR FOR CHANGES

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

Fall 2019

RATIONALE (must be included)

The name "Directed Research II" better describes this course, in which students perform laboratory research under the supervision of an MBB faculty member or associate. The course description has been revised to reflect the name change and to be consistent with descriptions for other Directed Research courses.

COURSE SUBJECT	MBB	NUMBER	496-6	TITLE	Individual Study Semester Joint Honours MBB-BUS or CMPT-MBB
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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	X	Description	X	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).

MBB 496 - Individual Study Semester Directed Research for Joint Honours MBB-BUS or and CMPT-MBB-CS Joint Honours (6)

Part-time laboratory research in an area of molecular biology or biochemistry under the supervision of an MBB faculty member or associate. This course is intended only for students taking a joint MBB/BUS MBB-BUS or MBB/CS MBB-CS honours degree. MBB 496 coursework will include the preparation of a research proposal, a report and an oral presentation on the results of the research and an oral presentation of the research. Before seeking approval for enrollment in this course, the student should obtain the agreement of a faculty member to supervise the project, and prepare, in consultation with the supervisor, a one page Letter of Intent stating the nature of the research project. Prerequisites: 75 units and upper division standing in MBB/BUS MBB-BUS or MBB/CS MBB-CS Joint Honours program, and MBB 308 or 309W with a minimum grade of C.

EFFECTIVE TERM AND YEAR FOR CHANGES

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

Fall 2019

RATIONALE (must be included)

The name "Directed Research" better describes this course, in which students perform laboratory research under the supervision of an MBB faculty member or associate. The course description has been revised to reflect the name change and to be consistent with descriptions for other Directed Research courses.

COURSE SUBJECT MBB NUMBER 498-3 TITLE Individual Study Semester

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

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

MBB 498 - Individual Study Semester Directed Research (3)

Part time laboratory research in an area of molecular biology or biochemistry under the supervision of an MBB faculty member or associate. The student must find a Simon Fraser University faculty member to direct their research. The student will work on the project in the supervisor's laboratory ~7-10 hrs per week. Toward the end of the semester the student will write a report describing their project and results and will present their work to their research group. MBB 498 coursework includes preparation of a research proposal, a report and an oral presentation on the results of the project. Prerequisites: MBB 308 or 309W; Students may not take MBB 498 concurrently with MBB 481, 482, 483, 491 or 492 or BISC 490, 491, 492W, 498 or 499.

EFFECTIVE TERM AND YEAR FOR CHANGES

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

Fall 2019

RATIONALE (must be included)

The name "Directed Research" better describes this course, in which students perform laboratory research under the supervision of an MBB faculty member or associate. The course description has been revised to reflect the name change and to be consistent with descriptions for other Directed Research courses.

COURSE SUBJECT	PHYS	NUMBER	126	TITLE	Electricity, Magnetism and Light
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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).

Prerequisite: PHYS 125 and or permission of the department.

EFFECTIVE TERM AND YEAR FOR CHANGES

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

Fall 2019

RATIONALE (must be included)

Pre-req was not specified correctly.

COURSE SUBJECT PHYS NUMBER 485 TITLE Particle Physics

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).

Physics of elementary particles. Symmetries, strong interactions, electromagnetic interactions, weak interaction. Prerequisite: PHYS 385 or ~~CHEM 464~~
~~CHEM 364~~, with a minimum grade of C- or permission of the department. Recommended: ~~PHYS 380~~. ~~Students with credit for NUSC 485 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 2019

RATIONALE (must be included)

Chemistry has changed the number of the prerequisite course from CHEM 464 to CHEM 364. PHYS 380 and NUSC 485 are no longer offered.

COURSE SUBJECT ACMA NUMBER 320 TITLE Actuarial Mathematics I

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).

Survival distributions: age at death, life tables, fractional ages, mortality laws, select and ultimate life tables. Life insurance: actuarial present value function (apv), moments of apv, basic life insurance contracts, portfolio. Life annuities: actuarial accumulation function, moments of apv, basic life annuities. Net annual premiums: actuarial equivalence principle, loss function, accumulation type benefits. Actuarial reserves: prospective loss function, basic contracts, recursive equations, fractional durations. Survival models. Life insurance and annuities for single life: present value random variables, premium calculations, reserves. Covers part of the syllabus for Exam M LTAM of the Society of Actuaries, and Exam 3 of the Casualty Actuarial Society, and covers practical applications such as computational aspects of pricing and reserving, and risk measurement of insurance portfolios. This course is accredited under the University Accreditation Program of the Canadian Institute of Actuaries. Prerequisite: STAT 285 and ACMA 210 (with a grade of C+ or higher). Quantitative.

EFFECTIVE TERM AND YEAR FOR CHANGES

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

Fall 2019

RATIONALE (must be included)

ACMA 320 was designed as the first course in a sequence of two courses to prepare students for Exam M. However, Exam M is no longer offered. Instead, the Society of Actuaries (SOA) has created a new exam, Exam LTAM (Long-Term Actuarial Mathematics), with a different textbook and syllabus. Moreover, Exam LTAM is offered only by the SOA, not the Casualty Actuarial Society.

In addition, students must get at least a C+ in both STAT 285 and ACMA 210 to qualify for the Actuarial Science major (and hence be eligible to take ACMA 320). Therefore, the statement "with a grade of C+ or higher" in the prerequisite is unnecessary.

COURSE SUBJECT	ACMA	NUMBER	340	TITLE	Financial Economics for Actuaries
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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).

Actuarial models and their application to insurance and financial risks. Introductory derivatives: ~~stocks, forwards, futures, swaps~~. Options: ~~types, styles, parity and other relationships~~. Option strategies and risk management. Discrete-time models: binomial models, multi-period models. Continuous-time models: Black-Scholes-Merton model. ~~Monte-Carlo methods. Exotic options: Asian, barrier, gap options. Market-making, hedging, and option Greeks. Introduction to exotic options. Covers part of the syllabus for Exam IFM of the Society of Actuaries. This course is accredited under the University Accreditation Program of the Canadian Institute of Actuaries.~~ Prerequisite: ACMA 210 and STAT 285. Quantitative.

EFFECTIVE TERM AND YEAR FOR CHANGES

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

Fall 2019

RATIONALE (must be included)

ACMA 340 and ACMA 440 are a sequence of courses to prepare students for Exam IFM (Investment and Financial Markets) of the Society of Actuaries. Some topics, currently taught in ACMA 440, will now be part of ACMA 340 (and vice-versa).

The proposed changes to ACMA 340 reflect the syllabus of Exam IFM.

COURSE SUBJECT

ACMA

NUMBER

355

TITLE

Loss Models I

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).

Severity models. Risk measures. Frequency models. ~~Estimation: complete data, modified data, empirical distribution, Nelson-Åalen, ogive, Kaplan-Meier, kernel density, interval. Frequency and severity with coverage modifications: deductibles, policy limits, coinsurance.~~ Parametric estimation: method of moments, MLE. Bayesian estimation. Model selection. ~~Covers part of the syllabus for Exam C-STAM of the Society of Actuaries and Exam 4 of the Casualty Actuarial Society. This course is accredited under the University Accreditation Program of the Canadian Institute of Actuaries.~~ Corequisite: STAT 330. Quantitative.

EFFECTIVE TERM AND YEAR FOR CHANGES

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

Fall 2019

RATIONALE (must be included)

ACMA 355 was designed as the first course in a sequence of two courses to prepare students for Exam C. However, Exam C is no longer offered. Instead, the Society of Actuaries (SOA) has created a new exam, Exam STAM (Short-Term Actuarial Mathematics), with a different syllabus. Moreover, Exam STAM is offered only by the SOA, not the Casualty Actuarial Society.

Given the restructuring of this and other exams, in the revised version of ACMA 355, we move "Survival model estimation: complete data, modified data, empirical distributions, Nelson-Åalen, ogive, Kaplan-Meier, kernel density, interval" to ACMA 425 (Actuarial Mathematics II) and move "Frequency and severity with coverage modifications: deductibles, policy limits, coinsurance" from ACMA 455 (Loss Models II) to ACMA 355.

The proposed changes reflect the syllabus of Exam STAM.

COURSE SUBJECT ACMA NUMBER 425 TITLE Actuarial Mathematics II

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

Actuarial reserves: allocation of the loss to the policy years. Multiple life functions: joint-life, last-survivor. Multiple decrement models: stochastic and deterministic approaches, associated single decrement, fractional durations. Valuation theory for pension plans. Insurance models including expenses: gross premiums and reserves, type of expenses, modified reserves. Nonforfeiture benefits and dividends: equity concept, cash values insurance options, asset shares, dividends. Long-term insurance coverages. Survival model estimation. Multiple state models. Premium calculations. Reserves. Profit testing. Pension plans and retirement benefits. Applications. Covers part of the syllabus for Exam M LTAM of the Society of Actuaries and Exam 3 of the Casualty Actuarial Society. This course is accredited under the University Accreditation Program of the Canadian Institute of Actuaries. Prerequisite: ACMA 320. Quantitative.

EFFECTIVE TERM AND YEAR FOR CHANGES

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

Fall 2019

RATIONALE (must be included)

ACMA 425 was designed as the second course in a sequence of two courses to prepare students for Exam M. However, Exam M is no longer offered. Instead, the Society of Actuaries (SOA) has created a new exam, Exam LTAM (Long-Term Actuarial Mathematics), with a different textbook and syllabus. Moreover, Exam LTAM is offered only by the SOA, not the Casualty Actuarial Society.

Given the restructuring of this and other exams, we move "Survival model estimation" from ACMA 355 (Loss Models I) to ACMA 425.

The proposed changes reflect the syllabus of Exam LTAM.

COURSE SUBJECT	ACMA	NUMBER	440	TITLE	Models for Financial Economics
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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).

Advanced actuarial models and their application to insurance and financial risks. ~~Exotic options. Market-making, hedging and option greeks.~~ Introduction to stochastic calculus: Ito's lemma, risk neutrality, fundamental theorems of asset pricing. ~~Interest rate modelling and derivatives.~~ Fundamental theorems of asset pricing. Black-Scholes-Merton partial differential equations. ~~Exotic options. Monte Carlo methods.~~ Advanced option pricing models. Implied volatility and empirical issues. Actuarial applications: variable annuities. Covers part of the syllabus for Exam IFM of the Society of Actuaries. This course is accredited under the University Accreditation Program of the Canadian Institute of Actuaries. Prerequisite: ACMA 320 and ACMA 340. Quantitative.

EFFECTIVE TERM AND YEAR FOR CHANGES

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

Fall 2019

RATIONALE (must be included)

ACMA 340 and ACMA 440 are a sequence of courses to prepare students for Exam IFM (Investment and Financial Markets) of the Society of Actuaries. Some topics, currently taught in ACMA 440, will now be part of ACMA 340 (and vice-versa).

The proposed changes to ACMA 440 reflect the syllabus of Exam IFM.

COURSE SUBJECT

ACMA

NUMBER

455

TITLE

Loss Models II

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).

Frequency and severity with coverage modifications: deductibles, policy limit, coinsurance. Aggregate loss models. Conjugate priors, linear exponential family. Credibility models. Estimation: empirical Bayes, nonparametric, semiparametric. Credibility: models and estimation. Simulations. Stochastic processes: Poisson and compound Poisson processes. Insurance and reinsurance coverages. Pricing and reserving for short-term insurance coverages. Covers part of the syllabus for Exam C STAM of the Society of Actuaries and Exam 4 of the Casualty Actuarial Society. This course is accredited under the University Accreditation Program of the Canadian Institute of Actuaries. Prerequisite: ACMA 320 and ACMA 355. Quantitative.

EFFECTIVE TERM AND YEAR FOR CHANGES

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

Fall 2019

RATIONALE (must be included)

ACMA 455 was designed as the second course in a sequence of two courses to prepare students for Exam C. However, Exam C is no longer offered. Instead, the Society of Actuaries (SOA) has created a new exam, Exam STAM (Short-Term Actuarial Mathematics), with a different syllabus. Moreover, Exam STAM is offered only by the SOA, not the Casualty Actuarial Society.

The proposed changes reflect the syllabus of Exam STAM. The topics "Simulations. Stochastic processes: Poisson and compound Poisson processes" (which were covered in Exam C) are not covered in Exam STAM. In addition, we now use the broader term "Credibility: models and estimation" to cover the topics "Conjugate priors, linear exponential family. Credibility models. Estimation: empirical Bayes, nonparametric, semiparametric". Finally, we move "Frequency and severity with coverage modifications: deductibles, policy limit, coinsurance" to ACMA 355 (Loss Models I).

COURSE SUBJECT STAT NUMBER 240 TITLE Introduction to 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).

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 BUEC 232, and one of CMPT 102, CMPT 120, CMPT 125, CMPT 128, CMPT 129, CMPT 130, 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)

Fall 2019

RATIONALE (must be included)

1) We are creating a new course, STAT 260 (Introductory R for Data Science), that will provide useful preparation for STAT 240.