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MEMORANDUM

ATTENTION Senate
FROM Wade Parkhouse, Chair
Senate Committee on
Undergraduate Studies
RE: Course Changes (SCUS 18-78)

DATE December 7, 2018
PAGES 1/2

For information:

Acting under delegated authority at its meeting of December 6, 2018 SCUS approved the following curriculum revisions effective Fall 2019.

1. School of Interactive Arts and Technology

(i) Prerequisite change for IAT 391, 392, 393, 396, 397

2. School for the Contemporary Arts

(i) Prerequisite change for CA 412W

b. Faculty of Environment1. School of Resource and Environmental Management

- (i) Prerequisite change for REM 311, 375, 423, 427,
- (ii) Units and prerequisite change for REM 412 and 445
- (iii) Description, units and prerequisite change for REM 471
- (iv) Equivalent statement change for SD 301

c. Faculty of Science1. Department of Molecular Biology and Biochemistry

(i) Description and prerequisite changes for MBB 496

2. Department of Physics

- (i) Prerequisite change for PHYS 132 and 133

3. Department of Statistic and Actuarial Science

- (i) Prerequisite and Equivalent Statement changes for STAT 180
- (ii) Prerequisite change for STAT 240, 300W, 302 and 305

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 NUMBER TITLE

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

Course number ☐ Units ☐ Prerequisite ☒

Title ☐ Description ☐ Equivalent Statement ☐

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

Prerequisite: Completion of 45 units. ~~Corequisite: IAT 392/IAT 393 (ItaliaDesign Field School).~~

EFFECTIVE TERM AND YEAR FOR CHANGES

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

RATIONALE (must be included)

The current prerequisites do not accurately reflect the sequence in which students take these courses to complete this Field School program.

COURSE SUBJECT	IAT	NUMBER	392	TITLE	Italian Design in Context: Learning from La Citta (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).

Prerequisite: Completion of 45 units, including IAT 391. Corequisite: ~~IAT 391~~/IAT 393 (ItaliaDesign Field School).

EFFECTIVE TERM AND YEAR FOR CHANGES

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

Fall 2019

RATIONALE (must be included)

The current prerequisites do not accurately reflect the sequence in which students take these courses to complete this Field School program.

COURSE SUBJECT	IAT	NUMBER	393	TITLE	Interaction Design Workshop I (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).

Prerequisite: Completion of 45 units, including 391. Corequisite: ~~IAT 391/392~~ (ItaliaDesign Field School).

EFFECTIVE TERM AND YEAR FOR CHANGES

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

Fall 2019

RATIONALE (must be included)

The current prerequisites do not accurately reflect the sequence in which students take these courses to complete this Field School program.



COURSE SUBJECT

IAT

NUMBER

396

TITLE

North Europe Design Field
School: Design Inquiry (6)

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: 45 units, including ~~IAT 438~~ and IAT 395. ~~Corequisite: IAT 397.~~

EFFECTIVE TERM AND YEAR FOR CHANGES

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

Fall 2019

RATIONALE (must be included)

The current prerequisites do not accurately reflect the sequence in which students take these courses to complete this Field School program.



COURSE SUBJECT NUMBER TITLE

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

Course number ☐ Units ☐ Prerequisite ☒
Title ☐ Description ☐ Equivalent Statement ☐

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

Prerequisite: 45 units, including ~~IAT 338~~. Corequisite: IAT 395 and IAT 396.

EFFECTIVE TERM AND YEAR FOR CHANGES

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

RATIONALE (must be included)

The current prerequisites do not accurately reflect the sequence in which students take these courses to complete this Field School program.



COURSE SUBJECT

CA

NUMBER

412W

TITLE

Advanced Seminar in Art and
Culture 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).

Provides an in-depth investigation of a selected theoretical, historical or thematic topic in art and culture studies. This course requires independent research leading to a substantial paper, as well as directed reading preparation for seminars. Topics will vary from term to term. The course may be repeated when different topics are offered. May be of particular interest to students in other departments. Prerequisite: Eight upper division units; and one of CA (or FPA) 210, 335, or 337, or 357W. Writing.

EFFECTIVE TERM AND YEAR FOR CHANGES

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

Fall 2019

RATIONALE (must be included)

Currently, the prerequisite for this course makes it accessible only to students in the SCA's Visual Art and Art, Performance and Cinema Studies programs. The addition of FPA/CA 335, 337 and 357W as prerequisite options opens enrolment to SCA students pursuing other majors, especially film and theatre, who will benefit from the availability of an upper division W course.



COURSE SUBJECT

REM

NUMBER

311

TITLE

Applied Ecology and
Sustainable Environments

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: REM 100 or EVSC 100; BISC 204 or GEOG 215; STAT ~~101 or 201 or 203 or 205~~ or GEOG 251 ~~or STAT 201~~ or equivalent. Quantitative.

EFFECTIVE TERM AND YEAR FOR CHANGES

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

Fall 2019

RATIONALE (must be included)

STAT 101 has been renumbered as STAT 205.



COURSE SUBJECT	REM	NUMBER	375	TITLE	Ecology and Conservation of Coastal BC
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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: ~~60~~ 45 units.

EFFECTIVE TERM AND YEAR FOR CHANGES

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

Fall 2019

RATIONALE (must be included)

This change brings the course in line with other REM 300 level courses, which have a 45 unit prerequisite.



COURSE SUBJECT	REM	NUMBER	423	TITLE	Research Methods in Fisheries Assessment
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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: BISC 204 or GEOG 215; STAT ~~101~~ or 201 or 203 or 205 or GEOG 251 or equivalent; MATH 151 or 154 or 157 or equivalent; and 60 units.

EFFECTIVE TERM AND YEAR FOR CHANGES

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

Fall 2019

RATIONALE (must be included)

STAT 101 has been renumbered as STAT 205.



COURSE SUBJECT NUMBER TITLE

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

Course number	☐	Units	☐	Prerequisite	☒
Title	☐	Description	☐	Equivalent Statement	☐

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

Prerequisite: ~~60 units, including one of MATH 150, or MATH 151, or MATH 154 or MATH 157 and one of STAT 101, STAT 201, or STAT 203, or 205 STAT 270 or GEOG 251 or equivalent, and 60 units; Or~~ permission of the instructor.

EFFECTIVE TERM AND YEAR FOR CHANGES

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

RATIONALE (must be included)

STAT 101 has been renumbered as STAT 205.



COURSE SUBJECT NUMBER TITLE

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

Course number	☐	Units	☒	Prerequisite	☒
Title	☐	Description	☐	Equivalent Statement	☐

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

Environmental Modeling REM 412 ~~(3)~~ (4)

Students receive hands-on experience in the construction and analysis of computer simulation models of environmental and ecological systems and problems. Prerequisite: REM 100 or EVSC 100; BISC 204 or GEOG 215; STAT ~~101~~ or 201 or 203 or 205 ~~or 270~~ or GEOG 251 or equivalent; and 60 units. Quantitative.

EFFECTIVE TERM AND YEAR FOR CHANGES

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

RATIONALE (must be included)

The purpose of the unit change is to increase contact lecture hours from 2 hours to 3 hours with professor for conveying more content.

STAT 101 has been renumbered as STAT 205.

COURSE SUBJECT	REM	NUMBER	445	TITLE	Environmental Risk Assessment
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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).

Environmental Risk Assessment REM 445 ~~(3)~~ (4)

Students receive theory and practical experience in the control and management of hazardous substances in the environment. This includes the application of techniques used to assess toxicological, ecological and human health risks of contaminants within the current regulatory framework. Prerequisite: MATH 151 or 154 or 157; STAT ~~101~~ or 103 or 201 or 203 or 205 or 301 or GEOG 251 or equivalent; and 60 units.

EFFECTIVE TERM AND YEAR FOR CHANGES

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

Fall 2019

RATIONALE (must be included)

The purpose of the unit change is to increase contact lecture hours from 2 hours to 3 hours with professor for conveying more content.

STAT 101 has been renumbered to STAT 205. STAT 103 has been renumbered as STAT 203.

The addition of 60 units brings the course in line with other REM 400 level courses.

COURSE SUBJECT	REM	NUMBER	471	TITLE	Forest Ecosystem Management
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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).

Forest Ecosystem Management REM 471 ~~(3)~~ (4)

~~Students will examine the problems of managing forest ecosystems for a variety of societal goals and objectives. The course will start with an examination of the ecological characteristics of forest ecosystems and their dynamics. The second section will focus on the objectives and tools of forest management in an ecological context. Forests are critical components of the earth system and provide diverse ecological services. They are also a source of conflict regarding their conservation and use. Students will examine the problems of managing forest ecosystems for a variety of societal goals and objectives. We begin by examining the ecological characteristics of forest ecosystems and follow with a focus on the objectives and tools of forest management. The final section of the course will focus on the examine institutions, economics, and policies of policy related to forests management, with a focus on British Columbia's historical and current management issues. This course will involve lectures, group discussions, field trips, and exercises. Prerequisite: At least one of REM 311, BISC 304, BISC 310, BISC 404, GEOG 315, or GEOG 316. One of REM 100, or GEOG 100 or 111, or EVSC 100 or BISC 102; and 45 units.~~

EFFECTIVE TERM AND YEAR FOR CHANGES

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

Fall 2019

RATIONALE (must be included)

The unit change is to increase contact lecture hours from 2 hours to 3 hours with professor for conveying more content.

The prerequisite change is intended to make the course more accessible to students.

COURSE SUBJECT SD NUMBER 301 TITLE Building a Sustainable World

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).

Exploration of how to cultivate a more sustainable world. Provides a foundation for understanding sustainable development at the global scale. Explores cases of governance, programs and policies in the Global South that foster the Sustainable Development Goals (SDGs), such as food and water security, biodiversity, inclusive economies, and clean energy.

Prerequisite: 45 units or admission to the Post Baccalaureate Diploma in Sustainable Development.

~~Students who have taken SD (or DEVS) 401 first may not then take this course for further credit~~

EFFECTIVE TERM AND YEAR FOR CHANGES

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

Fall 2019



RATIONALE (must be included)

DEVS 401 is equivalent to SD 401, not SD 301.
This line was included in the calendar entry by mistake when this course was added to the SD Program.

COURSE SUBJECT	MBB	NUMBER	496-6	TITLE	Independent 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	☐	Units	☐	Prerequisite	X
Title	☐	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).

~~Directed reading and p~~Part-time scientific laboratory research in an area of molecular biology or biochemistry. This course is intended only for ~~those~~ students taking a joint MBB/BUS or MBB/CS honours degree. MBB 496 coursework will include the preparation of a research proposal, a report on the results of the research and an oral presentation of the research. Before seeking approval for enrollment in this course, the student should ~~already have obtained~~ obtain the agreement of a faculty member ~~that he/she is willing~~ to supervise the project, and ~~have prepared a written proposal (of approximately 1-2 pages)~~ prepare, in consultation with the supervisor, a one-page Letter of Intent stating the nature of the research readings and project. The course will include preparation of a written report on the results of the project, and may, at the discretion of the supervisor, ~~include an oral presentation of the results.~~ Prerequisite: 75 units and upper division standing in an ~~MBB MBB/BUS or MBB/CS~~ joint honours program, and MBB 308 ~~or 309W~~ with a minimum grade of C. ~~Students who take MBB 496 are not allowed to take MBB 491, 492 or 493 with the same faculty supervisor.~~

EFFECTIVE TERM AND YEAR FOR CHANGES

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

Fall 2019

RATIONALE (must be included)

Course description was modified to make it consistent with other MBB Independent Study Semester Courses. MBB 309W was included as an alternative lab course prereq (in addition to MBB 308); the requirement that students not do additional ISS courses with the same instructor was removed. These changes give students more flexibility.

COURSE SUBJECT NUMBER TITLE

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

Course number	☐	Units	☐	Prerequisite	☒
Title	☐	Description	☐	Equivalent Statement	☐

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

Corequisite: PHYS 101 or 120 or 125.

EFFECTIVE TERM AND YEAR FOR CHANGES

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

Fall 2019

RATIONALE (must be included)

We have determined that PHYS 101 is also a suitable co-req for PHYS 132.

COURSE SUBJECT **PHYS** NUMBER **133** TITLE **Physics Laboratory 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).

Corequisite: PHYS 102 or 121 or 126.

EFFECTIVE TERM AND YEAR FOR CHANGES

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

Fall 2019

RATIONALE (must be included)

We have determined that PHYS 102 is also a suitable co-req for PHYS 133.

COURSE SUBJECT	STAT	NUMBER	180	TITLE	Career Development Seminar for Statistics and Actuarial Science
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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 seminar primarily for students undertaking a major or an honours program in Statistics. Visiting speakers share experience relevant to Statistics students and provide useful education and career advice. Prerequisite: Enrollment, ~~or intended enrollment~~, in the Statistics or Actuarial Science major or honours programs, or STAT 270, ~~or permission of the instructor~~. Students with credit for MSSC 180 or DATA 180 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)

"Intended enrolment" is a vague term that has caused confusion among students. Presumably, this term was originally included to allow intended Actuarial Science students to take the course. However, these students are generally registered in the Statistics major prior to applying for admission to Actuarial Science. The term "intended enrolment" is thus unnecessary. In addition, the proposed change will allow students who transfer from the Data Science major/honours to the Statistics major/honours to receive credit for STAT 180 after having completed DATA 180 (thus avoiding a repeat on their transcripts). This change is consistent with our current policy that allows credit for DATA 180 after completion of STAT 180.

COURSE SUBJECT	STAT	NUMBER	240	TITLE	Introduction to Data Science
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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).

Introduction to modern tools and methods for data acquisition, management, and visualization capable of scaling to Big Data. Prerequisite: AnyOne of STAT 201, STAT 203, STAT 205, STAT 270, course (except STAT 100) or BUEC 232, and one of CMPT 102, CMPT 120, CMPT 125, CMPT 128, CMPT 129, CMPT 130, or permission of the instructor. Quantitative.

EFFECTIVE TERM AND YEAR FOR CHANGES

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

Fall 2019

RATIONALE (must be included)

The new wording specifies explicitly the STAT courses that are acceptable as prerequisites and, in particular, excludes STAT 180, STAT 310, and STAT 311 (which are possible first STAT courses but are not appropriate as prerequisites).

COURSE SUBJECT	STAT	NUMBER	300W	TITLE	Statistics Communication
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TYPE OF CHANGES. Please type 'X' for the appropriate revision(s):

Course number	☐	Units	☐	Prerequisite	☒
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Title	☐	Description	☐	Equivalent Statement	☐
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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).

Guided experiences in written and oral communication of statistical ideas and results with both scientific and lay audiences. Prerequisite: Admission to the major or honours programs in statistics; ~~or actuarial science at SFU. STAT 350 or 9 units of upper division STAT/ACMA courses and~~ permission of the instructor; prior completion of a lower division W course. Writing.

EFFECTIVE TERM AND YEAR FOR CHANGES

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

Fall 2019

RATIONALE (must be included)

Now that ACMA 360W exists, ACMA students will generally be taking that course instead of STAT 300W.

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

The standard techniques of multiple regression analysis, analysis of variance, and analysis of covariance, and their role in observational and experimental studies. This course may not be used to satisfy the upper division requirements of the Statistics major or honours program. Prerequisite: ~~Any~~One of STAT 201, STAT 203, STAT 205, STAT 270, course (except STAT 100) or BUEC 232. Quantitative.

EFFECTIVE TERM AND YEAR FOR CHANGES

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

Fall 2019

RATIONALE (must be included)

The new wording specifies explicitly the STAT courses that are acceptable as prerequisites and, in particular, excludes STAT 180, STAT 310, and STAT 311 (which are possible first STAT courses but are not appropriate as prerequisites).

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

Intermediate statistical techniques for the health sciences. Review of introductory concepts in statistics and probability including hypothesis testing, estimation and confidence intervals for means and proportions. Contingency tables and the analysis of multiple 2x2 tables. Correlation and regression. Multiple regression and model selection. Logistic regression and odds ratios. Basic concepts in survival analysis. This course may not be used to satisfy the upper division requirements of the Statistics major or honours program. Prerequisite: AnyOne of STAT 201, STAT 203, STAT 205, STAT 270, course (except STAT 100) or BUEC 232. Quantitative.

EFFECTIVE TERM AND YEAR FOR CHANGES

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

Fall 2019

RATIONALE (must be included)

The new wording specifies explicitly the STAT courses that are acceptable as prerequisites and, in particular, excludes STAT 180, STAT 310, and STAT 311 (which are possible first STAT courses but are not appropriate as prerequisites).