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MEMORANDUM

ATTENTION	Senate	DATE	September 11, 2020
FROM	Wade Parkhouse, Chair Senate Committee on Undergraduate Studies	PAGES	1/1
RE:	Course Changes (SCUS 20-61)		

For information:

Acting under delegated authority at its meeting of September 10, 2020 SCUS approved the following curriculum revisions effective Summer 2021.

a. Faculty of Applied Sciences1. The School of Sustainable Energy Engineering

- (i) Prerequisite change for SEE 331

b. Faculty of Environment1. Department of Archaeology

- (i) Units change for ARCH 471W

c. Faculty of Science1. Department of Biomedical Physiology and Kinesiology

- (i) Prerequisite change for BPK 408W

2. Department of Statistics and Actuarial Science

- (i) Deletion of DATA 481

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 SEE NUMBER 331 TITLE Power Electronics

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 the fundamentals of power electronic circuits, components, and operation, and principles of electric power conversion in DC and AC applications. Prerequisite: SEE 231 and SEE 251. Students with credit for MSE 353 may not take this course for further credit.

EFFECTIVE TERM AND YEAR FOR CHANGES

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

Summer 2021

RATIONALE (must be included)

SEE 331 has many references related to 3-phase systems and electric machines. These topics are covered in SEE 251 course. As a result, students who decide not to take SEE 251 prior to SEE 331, are putting themselves at a disadvantage without knowing it. To address this issue, we would like to add SEE 251 as a prerequisite to SEE 331.



COURSE SUBJECT ARCH **NUMBER** 471W **TITLE** Archaeological Theory

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).

ARCH 471W - Archaeological Theory (54)

EFFECTIVE TERM AND YEAR FOR CHANGES

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

Summer 2021

RATIONALE (must be included)

Creation of a lower division foundational course at 3 credits (ARCH 271), that will be a prerequisite for ARCH 471W, will reduce the depth and coverage of this course.



COURSE SUBJECT BPK **NUMBER** 408W **TITLE** Cellular Physiology Laboratory

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: STAT 201 and BPK 305 for BPK Majors or STAT 201 and one of BISC 305, 405, or 455 with a C- or better for BISC Majors. Enrollment of non-BPK and non-BISC majors require permission of the instructor. Writing.

EFFECTIVE TERM AND YEAR FOR CHANGES

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

Summer 2021

RATIONALE (must be included)

Biology has revised how it will be teaching physiology with the introduction of BISC 205. BISC 305 will no longer be required for most Biology students. The prerequisites for BPK 408W should reflect the previous requirements to ensure that Biology students are entering the course properly prepared for the content, and at a similar stage in their degree as the BPK students. The options available for BISC students will increase their access BPK 408W.

COURSE SUBJECT **DATA** NUMBER **481** TITLE **Undergraduate Seminar in Data Science II**

RATIONALE (must be included)

The original purpose for DATA 481 is no longer relevant. DATA 180 and DATA 481 were a shared class and the intention was for students to take DATA 180 at the beginning of their degree and DATA 481 at the end of their degree. The idea was that junior and senior students could collaborate together in this class and learn from each other, and the class size was meant to be quite small, to foster interactions between the students. With the growth of the Data Science program, however, this is no longer feasible. DATA 180/481 used to be capped at 30 students, but in Fall 2019 grew to 120 students.

EFFECTIVE TERM AND YEAR FOR CHANGES

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

Summer 2021

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:

Program Impact list for DATA 481:

1. Data Science Major (DATAMAJ)
2. Data Science Honours (DATAHON)

No further changes other than deletion is required for the two 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.