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MEMORANDUM

ATTENTION Senate
FROM Wade Parkhouse, Chair
Senate Committee on
Undergraduate Studies
RE: Course Changes (SCUS 19-27)

DATE April 5, 2019
PAGES 1/1

For information:

Acting under delegated authority at its meeting of April 4, 2019 SCUS approved the following curriculum revisions effective Spring 2020.

a. Faculty of Communication, Art and Technology1. School of Interactive Arts and Technology

- (i) Prerequisite change for IAT 206W and 309W

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

- (i) Title and equivalent statement change for REM 319
- (ii) Equivalent statement change for REM 407

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

- (i) Title, description and prerequisite change for BPK 142, 420, 421, 422 and 423

2. Department of Statistics and Actuarial Science

- (i) Prerequisite change for STAT 440

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 MODIFICATION FORM

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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).

Introduces a discursive framework for media, design and cultural interfaces enabling students to interpret, negotiate, and engage with new media with an awareness of the significance of cultural and contextual difference. Assessment is based on written and project work. Prerequisite: IAT 103W and completion ~~Completion~~ of 21 units. Writing/Breadth-Humanities.

EFFECTIVE TERM AND YEAR FOR CHANGES

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



RATIONALE (must be included)

IAT recognizes a need to improve reading comprehension, critical thinking and writing skills in both the IAT BA and BSc degrees. To address this, a core set of existing W courses will be offered in a prerequisite chain: 103W, 206W, 309W. This will ensure that students take these courses in order, and that skills developed in these courses can be built upon and furthered.

COURSE SUBJECT	IAT	NUMBER	309W	TITLE	Writing Methods for Research
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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).

Develops critical thinking and writing strategies adaptable to professional communications in design, media arts and technology. Prerequisite: IAT 206W and completion of 48 units including a lower division W-course. Writing.

EFFECTIVE TERM AND YEAR FOR CHANGES

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

Spring 2020



RATIONALE (must be included)

IAT recognizes a need to improve reading comprehension, critical thinking and writing skills in both the IAT BA and BSc degrees. To address this, a core set of existing W courses will be offered in a prerequisite chain: 103W, 206W, 309W. This will ensure that students take these courses in order, and that skills developed in these courses can be built upon and furthered.



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).

REM 319 Environmental and Planning Law

Students who have taken ENV 399-3 "Special Topics in Environmental Law" in 2012 may not enroll in this course for further credit. Students with credit for ENV 319 or PLAN 319 may not take for further credit.

EFFECTIVE TERM AND YEAR FOR CHANGES

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

RATIONALE (must be included)

This is an existing course that we wish to modify so that it can serve an important role in our proposed Planning concentration (to come later). Thus, the main change is to integrate more planning content. It will also be cross-listed as PLAN 319.



COURSE SUBJECT REM NUMBER 407 TITLE Indigenous Governance and Resource Relationships

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).

REM 407 – Indigenous Governance and Resource Relationships (4)

Explores diverse Indigenous perspectives on governance, resource, land and water management, intergovernmental relations and economic development in the context of contemporary settler colonialism in Canada. Skills include critical thinking, anti-colonial, economic, political and policy analyses. Prerequisite: 75 units or permission of instructor. Students with credit for PLAN 407 may not take for further credit.

EFFECTIVE TERM AND YEAR FOR CHANGES

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

Spring 2020

RATIONALE (must be included)

This course is being modified to accommodate a cross listing with a new course PLAN 407. The cross listed courses will serve as core specialization courses for the Planning stream in the REM Major. All core courses in the program are expected to have a PLAN code and this is accomplished with the cross-listing.

COURSE SUBJECT	BPK	NUMBER	142	TITLE	Introduction to Kinesiology
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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).

BPK 142 - Introduction to Biomedical Physiology and Kinesiology(3)

Description

~~Basic procedures for the assessment of the status and performance of the individual according to the principles of anthropometry, functional anatomy, biomechanics, exercise physiology, and motor learning.~~

Survey of theories and laboratory procedures for assessing human health status and physical performance, including biomechanics, body composition, development, environmental physiology, ergonomics, exercise physiology and motor learning. Functional anatomy and physiology of the cardiovascular, nervous, respiratory, skeletal and skeletal muscle systems in relation to physical activity are explored.

~~Prerequisite: Recommended: Grade 11 One of Grade 12 Anatomy and Physiology, Biology, Chemistry and or Physics with a grade of C or better; or one of BPK 105, BPK 110, BPK 143, BISC 100, BISC 113 or HSCI 100 with a grade of C or better. Breadth-Science.~~

EFFECTIVE TERM AND YEAR FOR CHANGES

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

Spring 2020

Course Title: Our Department name changed to Biomedical Physiology and Kinesiology several years ago. BPK 142 is required for all BPK majors and serves as the introduction for all of our programs. This should be reflected in its title.

Course Description: The various elements of the lecture and laboratory components of the course are now described in more detail, highlighting for students the many important elements of our programs that are introduced.

Prerequisite: BPK 142 is required for all BPK majors and serves as the introduction for all of our programs. The D/F/N rate for non-science majors in BPK 142 is very high (15% - 25%) compared to science majors (~5%). The high failure rate impacts the overall quality of students within the course and may impact the discourse and expectations during lecture and laboratory discussions. By requiring grade 12 Physics, Chemistry or Biology, we want to ensure students who enter the course are prepared to engage with the material at the level it is presented. The addition of introductory science courses from various departments as optional pre-requisites will allow many non-science students to continue to take this course as a Breadth Science.

RATIONALE (must be included)

COURSE SUBJECT	BPK	NUMBER	420	TITLE	Selected Topics in Kinesiology I
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TYPE OF CHANGES. Please type 'X' for the appropriate revision(s):

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

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BPK 420 - Selected Topics in Biomedical Physiology and Kinesiology I (3)

Selected topics in areas not currently offered as formal courses within the undergraduate course offerings in the Department of Biomedical Physiology and School of Kinesiology. The topics in this course will vary from term to term, depending on faculty availability and student interest.

Prerequisite: To be announced in the Undergraduate Schedule of Classes and Examinations found at go.sfu.ca.

EFFECTIVE TERM AND YEAR FOR CHANGES

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

Spring 2020

RATIONALE (must be included)

Course Title and Description: Our Department name changed to Biomedical Physiology and Kinesiology several years ago. This should be reflected in the title and description of our Selected Topics Courses.

Prerequisite: Update to current format for information provided to students for course registration.

COURSE SUBJECT	BPK	NUMBER	421	TITLE	Selected Topics in Kinesiology II
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TYPE OF CHANGES. Please type 'X' for the appropriate revision(s):

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

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BPK 421 - Selected Topics in Biomedical Physiology and Kinesiology II (3)

Selected topics in areas not currently offered as formal courses within the undergraduate course offerings in the Department of Biomedical Physiology and School of Kinesiology. The topics in this course will vary from term to term, depending on faculty availability and student interest. Prerequisite: ~~to be announced~~ in the Undergraduate Schedule of Classes and Examinations found at go.sfu.ca.

EFFECTIVE TERM AND YEAR FOR CHANGES

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

Spring 2020

RATIONALE (must be included)

Course Title and Description: Our Department name changed to Biomedical Physiology and Kinesiology several years ago. This should be reflected in the title and description of our Selected Topics Courses.

Prerequisite: Update to current format for information provided to students for course registration.

COURSE SUBJECT	BPK	NUMBER	422	TITLE	Selected Topics in Kinesiology III
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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).

BPK 422 - Selected Topics in Biomedical Physiology and Kinesiology III (3)

Selected topics in areas not currently offered as formal courses within the undergraduate course offerings in the Department of Biomedical Physiology and School of Kinesiology. The topics in this course will vary from term to term, depending on faculty availability and student interest. Prerequisite: To be announced in the Undergraduate Schedule of Classes and Examinations found at go.sfu.ca.

EFFECTIVE TERM AND YEAR FOR CHANGES

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

Spring 2020

RATIONALE (must be included)

Course Title and Description: Our Department name changed to Biomedical Physiology and Kinesiology several years ago. This should be reflected in the title and description of our Selected Topics Courses.

Prerequisite: Update to current format for information provided to students for course registration.

COURSE SUBJECT	BPK	NUMBER	423	TITLE	Selected Topics in Kinesiology IV
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TYPE OF CHANGES. Please type 'X' for the appropriate revision(s):

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

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BPK 423 - Selected Topics in Biomedical Physiology and Kinesiology IV (3)

Selected topics in areas not currently offered as formal courses within the undergraduate course offerings in the Department of Biomedical Physiology and School of Kinesiology. The topics in this course will vary from term to term, depending on faculty availability and student interest. Prerequisite: To be announced in the Undergraduate Schedule of Classes and Examinations found at go.sfu.ca.

EFFECTIVE TERM AND YEAR FOR CHANGES

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

Spring 2020

RATIONALE (must be included)

Course Title and Description: Our Department name changed to Biomedical Physiology and Kinesiology several years ago. This should be reflected in the title and description of our Selected Topics Courses.

Prerequisite: Update to current format for information provided to students for course registration.

COURSE SUBJECT	STAT	NUMBER	440	TITLE	Learning from Big 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).

A data-first discovery of advanced statistical methods. Focus will be on a series of forecasting and prediction competitions, each based on a large, real-world dataset. Additionally, practical tools for statistical modeling in real-world environments will be explored. Prerequisite: 90 units including STAT 350 and one of STAT 341, **STAT 260**, or CMPT 225, or instructor approval. STAT 240 is also recommended.

EFFECTIVE TERM AND YEAR FOR CHANGES

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

Spring 2020

RATIONALE (must be included)

We have created two new courses (introductory and advanced) and accompanying labs in the R programming language (STAT 260/261 and STAT 360/361) to replace STAT 341. STAT 260 will provide sufficient preparation for STAT 440.