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MEMORANDUM

ATTENTION	Senate	DATE	September 12, 2025
FROM	Paul Kingsbury, Vice-Chair	PAGES	1/2
RE:	Senate Committee on Undergraduate Studies Program Changes		

For information:

Acting under delegated authority at its meeting of September 11, 2025 SCUS approved the following curriculum revisions effective Summer 2026.

a. Beedie School of Business *(SCUS 25-126)*

(i) Requirement changes to the:
- Course Access Information and Grade Requirements
- Business Major
- Business Honours

b. Faculty of Science *(SCUS 25-128)*

1. Department of Biological Sciences

(i) Upper division requirement changes to the:
- Biological Sciences Major
- Biological Sciences Honours

2. Department of Physiology and Kinesiology *(Fall 2026)*

(i) Upper division requirement changes to the:
- Behavioural Neuroscience Major
- Behavioural Neuroscience Honours
- Biomedical Physiology Major
- Biomedical Physiology Honours

(ii) Graduation requirement changes for the Behavioural Neuroscience Honours

(iii) Requirement changes to the Active Health and Rehabilitation Concentration for the:
- Kinesiology Major
- Kinesiology Honours

Senators wishing to consult a more detailed report of curriculum revisions may do so on the Senate Document Repository at https://www.sfu.ca/senate/documents.html

SENATE COMMITTEE ON UNDERGRADUATE STUDIES

PROGRAM MODIFICATION TEMPLATE

Name of Program or Name of Faculty Beedie School of Business
Rationale for change: Adding BUS 462 as an option for Data Science students is intended to support the recent growth of the Data Science major. The course applies machine learning algorithms with an emphasis on data storytelling, similar to BUS 445 but through different contexts: BUS 445 in marketing and BUS 462 in management information systems. Allowing students to choose another option will help reduce potential bottlenecks in BUS 445 and offer greater flexibility, while maintaining the program's coverage of the applied aspect of data science.
Effective term and year: Summer 2026
The following program(s) will be affected by these changes: • Course Access Information and Grade Requirements: https://www.sfu.ca/students/calendar/faculties-research/faculty-business/course-access-info-and-grade-requirements.html

Calendar Change: All deletions should be crossed out as follows: ~~sample.~~ All additions should be marked in **bold font.** Do not use **"**to" and "from" sections.

Information About Access to Business Courses [...] DATA SCIENCE STUDENTS Data science majors and honours students have access to BUS 217W, BUS 343, BUS 360W, BUS 439, ~~and~~ BUS 445 **and BUS 462** on their enrollment date.

Name of Program or Name of Faculty

Beedie School of Business

Rationale for change:

SFU Beedie students accepted into the Accelerated Master's program are expected to begin graduate-level coursework during their final undergraduate term at the Beedie School of Business. This structure enables a smooth transition into graduate studies while students complete their remaining undergraduate degree requirements.

Graduate-level coursework may be applied toward the elective requirements of the Bachelor of Business Administration (BBA) degree, allowing students to satisfy undergraduate program-level requirements prior to fully transitioning into graduate-level study. Students are granted conditional acceptance into the graduate program until all undergraduate degree requirements have been successfully completed.

Effective term and year:

Summer 2026

The following program(s) will be affected by these changes:

- Business Major
- Business Honours

Calendar Change: All deletions should be crossed out as follows: ~~sample.~~ All additions should be marked in **bold font.** Do not use **"**to" and "from" sections.

Upper Division Requirements

[…]

NOTE: SFU students accepted in the accelerated master's within the *Beedie School of Business* may apply a maximum of 10 graduate course units, taken ~~while completing~~ **during the final term of** the bachelor's degree, towards the upper division electives of the bachelor's program and the requirements of the master's degree. For more information go to: https://www.sfu.ca/gradstudies/apply/programs/accelerated-masters.html.

Writing, Quantitative, and Breadth Requirements

Students admitted to Simon Fraser University beginning in the fall 2006 term must meet writing, quantitative and breadth requirements as part of any degree program they may undertake. See Writing, Quantitative, and Breadth Requirements for university-wide information.

[…]

Name of Program or Name of Faculty Beedie School of Business
Rationale for change: In response to the BBA program changes that took effect Fall 2022 and Fall 2023 we review Group A and Group B electives on an annual basis. Every June we canvas new courses being introduced and review them for possible inclusion into our elective requirements. SA 216 – Sociology of Indigenous-Settler Relations was identified as satisfying the Group B requirement.
Effective term and year: Summer 2026
The following program(s) will be affected by these changes: • Business Major • Business Honours

Calendar Change: All deletions should be crossed out as follows: ~~sample.~~ All additions should be marked in **bold font.** Do not use **"**to" and "from" sections.

Beedie School of Business Non-Business Elective Requirements

Students admitted to the BBA program for the Fall 2023 term onwards are required to complete a minimum of nine units, outside of the Beedie School of Business, that is centered around the School's Calling and offers an Indigenous perspective.

Students must complete a minimum of six units from Group A and a minimum of three units from Group B.

[…]

Group B

Students must complete a minimum of three units from the following list of courses*:

ENGL 360 - Popular Writing by Indigenous Authors (4)
INDG 101 - Introduction to Indigenous Studies (3)
INDG 110W - International Indigenous Lifewriting (4)
INDG 111 - Introduction to Indigenous Research Methods (3)
INDG 201W - Indigenous Peoples' Perspectives on History (3)
INDG 360 - Popular Writing by Indigenous Authors (4)
REM 207 - Indigenous Peoples and Resource Management (3)
SA 216 - Sociology of Indigenous-Settler Relations (S) (4)

* Students may satisfy this requirement by completing any INDG course with a minimum of three units.

SFU SENATE COMMITTEE ON UNDERGRADUATE STUDIES

PROGRAM MODIFICATION TEMPLATE

Name of Program or Name of Faculty Biological Sciences
Rationale for change: BISC 475 was designed to be relevant to both the *Cells, Molecules, and Physiology* stream and the *Ecology, Evolution, and Conservation* stream. However, it was inadvertently omitted from the list of Ecology, Evolution, and Conservation Stream-Specific courses.
Effective term and year: Summer 2026
The following program(s) will be affected by these changes: Biological Sciences Major Biological Sciences Honour

Calendar Change: All deletions should be crossed out as follows: ~~sample.~~ All additions should be marked in **bold font.** Do not use **"**to" and "from" sections.

Ecology, Evolution, and Conservation (EEC) Stream

This stream integrates theoretical and applied approaches to Ecology, Evolution, and Conservation. Students interested in obtaining additional field biology experience may also take courses at Bamfield Marine Sciences Centre, listed under Marine Sciences (MASC) in the course calendar. The EEC stream is accredited by the College of Applied Biology (see the Biological Sciences website for details).

…

and at least five additional stream electives from
BISC 305 - Animal Physiology (3)
BISC 308 - Environmental Toxicology: An Ecological Perspective (3)
BISC 309 - Conservation Biology (3)
BISC 366 - Plant Physiology (3)
BISC 407 - Population Dynamics (3)
BISC 410 - Behavioural Ecology (3)
BISC 412 - Aquatic Ecology (3)
BISC 413 - Fisheries Ecology (3)
BISC 414 - Limnology (3)
BISC 420 - Community Ecology (3)
BISC 421 - Models in Biology: From Molecules to Migration (3)
BISC 422 - Population Genetics (3)
BISC 433 - Environmental Microbiology (3)
BISC 440W - Biodiversity (3)

BISC 441 - Evolution of Health and Disease (3)
BISC 445 - Environmental Physiology of Animals (3)
BISC 473 - Special Topics in Ecology, Evolution and Conservation (3)
BISC 474 - Special Topics in Ecology, Evolution and Conservation (3)
BISC 475 – Special Topics in Biology (3)
BISC 497W - Undergraduate Research: Writing Intensive (3)
BISC 498 - Undergraduate Research I (3)
BISC 499 - Undergraduate Research II (3)

...

Name of Program or Name of Faculty
Biomedical Physiology and Kinesiology

Rationale for change:
Updated wording to reflect permanent course offering with correct pre-requisites. BPK423 has run successfully for several terms by different Behavioural Neuroscience faculty. The topics covered are not included in other courses and are of particular relevance to BNEU graduates and are also of interest to our Kinesiology and Biomedical Physiology students. The course has run as special topics for 4 terms with a typical enrolment of 25.

Effective term and year: Fall 2026

The following program(s) will be affected by these changes:
Behavioural Neuroscience Major
Behavioural Neuroscience Honours
Biomedical Physiology Major
Biomedical Physiology Honours
Kinesiology Major
Kinesiology Honours

Calendar Change: All deletions should be crossed out as follows: ~~sample.~~ All additions should be marked in **bold font.** Do not use **"**to" and "from" sections.

Behavioural Neuroscience Major
Behavioural Neuroscience Honours

Upper Division Requirements
[...]
Biomedical Physiology and Kinesiology
Students complete at least 22 units, including all of
BPK 305 - Human Physiology I (3)
BPK 306 - Human Physiology II (3)
BPK 326 - Functional Anatomy (4)
BPK 426 - Functional Human Neuroanatomy (3)

and six additional units from the following
BPK 415 - Neural Control of Movement (3)
BPK 420 - Selected Topics in Biomedical Physiology and Kinesiology I (3) ^
BPK 421 - Selected Topics in Biomedical Physiology and Kinesiology II (3) ^
BPK 422 - Selected Topics in Biomedical Physiology and Kinesiology III (3) ^
BPK 423 - Selected Topics in Biomedical Physiology and Kinesiology IV (3) ^
BPK 446 - Neurological Disorders (3)
BPK 447 - Neuroplasticity (3)
BPK 448 - Rehabilitation of Movement Control (3)

BPK 449 – Neuroimaging and Network Neuroscience (3)

and three additional units selected from the following
BISC 405 - Neurobiology (3)
BPK 304W - Inquiry and Measurement in Biomedical Physiology and Kinesiology (3)
BPK 336 - Histology (3)
BPK 407 - Human Physiology Laboratory (3)
BPK 409 - Wearable Technology and Human Physiology (3)
BPK 415 - Neural Control of Movement (3) *
BPK 420 - Selected Topics in Biomedical Physiology and Kinesiology I (3) ^*
BPK 421 - Selected Topics in Biomedical Physiology and Kinesiology II (3) ^*
BPK 422 - Selected Topics in Biomedical Physiology and Kinesiology III (3) ^*
BPK 423 - Selected Topics in Biomedical Physiology and Kinesiology IV (3) ^*
BPK 446 - Neurological Disorders (3) *
BPK 447 - Neuroplasticity (3) *
BPK 448 - Rehabilitation of Movement Control (3) *
BPK 449 – Neuroimaging and Network Neuroscience*
BPK 496 - Directed Study Literature (3) ^ or BPK 498 - Directed Study Experiential (3) ^
*if not counted above
^~~Topic~~ must be ~~relevant~~ **related** to behavioural neuroscience

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Biomedical Physiology Major
Biomedical Physiology Honours

Upper Division Requirements
…
and four or five of List B (at least one course must be 400-level)
BPK 301 - Biomechanics Laboratory (3)
BPK 310 - Exercise/Work Physiology (3)
BPK 336 - Histology (3)
BPK 340 - Active Health: Behavior and Promotion (3)
BPK 401 - Muscle Biomechanics (3)
BPK 402 - Mechanical Behavior of Biological Tissues (3)
BPK 409 - Wearable Technology and Human Physiology (3)
BPK 411 - Advanced Topics in Vascular Physiology (3)
BPK 412 - Molecular Cardiac Physiology (3)
BPK 415 - Neural Control of Movement (3)
BPK 417 - Obesity, Adipocyte Function and Weight Management (3)
BPK 420 - Selected Topics in Biomedical Physiology and Kinesiology I (3) *
BPK 421 - Selected Topics in Biomedical Physiology and Kinesiology II (3) *
BPK 422 - Selected Topics in Biomedical Physiology and Kinesiology III (3) *
BPK 423 - Selected Topics in Biomedical Physiology and Kinesiology IV (3) *
BPK 426 - Functional Human Neuroanatomy (3)
BPK 431 - Integrative Cancer Biology (3)
BPK 432 - Physiological Basis of Temperature Regulation (3)

BPK 444 - Cardiac Disease: Pathophysiology and Assessment (3)
BPK 446 - Neurological Disorders (3)
BPK 447 - Neuroplasticity (3)
BPK 448 - Rehabilitation of Movement Control (3)
BPK 449 – Neuroimaging and Network Neuroscience (3)
BPK 484 - Altitude and Aerospace Physiology (3)
BPK 496 - Directed Study Literature (3) *#
BPK 498 - Directed Study Experiential (3) *#
[...]

Kinesiology Major
Kinesiology Honours
Active Health and Rehabilitation Concentration

[...]

BPK 303 - Assessment of Movement and Function (3)
BPK 343 - Active Health: Assessment and Programming (3)
BPK 375 - Human Growth and Development (3)
and one of*
BPK 405 - Clinical Exercise Physiology I: Cardiorespiratory and Metabolic Disorders (3)
BPK 417 - Obesity, Adipocyte Function and Weight Management (3)
BPK 443 - Advanced Exercise Programming (3)
BPK 444 - Cardiac Disease: Pathophysiology and Assessment (3)
BPK 446 - Neurological Disorders (3)
BPK 448 - Rehabilitation of Movement Control (3)
BPK 481 - Musculoskeletal Disorders (3)

*Students may complete more than one of these and count them as BPK requirements below.
and two of, if not counted above
BPK 307 - Human Physiology III (3)
BPK 308 - Experiments and Models in Systems Physiology (3)
BPK 311 - Applied Human Nutrition (3)
BPK 312 - Nutrition for Fitness and Sport (3)
BPK 381 - Psychology of Work (3)
BPK 401 - Muscle Biomechanics (3)
BPK 402 - Mechanical Behavior of Biological Tissues (3)
BPK 405 - Clinical Exercise Physiology I: Cardiorespiratory and Metabolic Disorders (3)
BPK 408W - Cellular Physiology Laboratory (4)
BPK 411 - Advanced Topics in Vascular Physiology (3)
BPK 412 - Molecular Cardiac Physiology (3)
BPK 415 - Neural Control of Movement (3)
BPK 417 - Obesity, Adipocyte Function and Weight Management (3)
BPK 420 - Selected Topics in Biomedical Physiology and Kinesiology I (3) ^
BPK 421 - Selected Topics in Biomedical Physiology and Kinesiology II (3) ^
BPK 422 - Selected Topics in Biomedical Physiology and Kinesiology III (3) ^
BPK 423 - Selected Topics in Biomedical Physiology and Kinesiology IV (3) ^

BPK 426 - Functional Human Neuroanatomy (3)
BPK 431 - Integrative Cancer Biology (3)
BPK 432 - Physiological Basis of Temperature Regulation (3)
BPK 443 - Advanced Exercise Programming (3)
BPK 444 - Cardiac Disease: Pathophysiology and Assessment (3)
BPK 445 - Advanced Cardiac Rehabilitation (3)
BPK 446 - Neurological Disorders (3)
BPK 447 - Neuroplasticity (3)
BPK 448 - Rehabilitation of Movement Control (3)
BPK 449 - Neuroimaging and Network Neuroscience (3)
BPK 481 - Musculoskeletal Disorders (3)
BPK 482 - Ergonomics and Rehabilitation (3)
[...]

Name of Program or Name of Faculty Biomedical Physiology and Kinesiology
Rationale for change: Housekeeping change to wording to clarify the number of credits students must attain for the Honours program. This new language will match what is already in place in the calendar for the Biomedical Physiology Honours program.
Effective term and year: Fall 2026
The following program(s) will be affected by these changes: Behavioural Neuroscience Honours

Calendar Change: All deletions should be crossed out as follows: ~~sample.~~ All additions should be marked in **bold font.** Do not use **"**to" and "from" sections.

Behavioural Neuroscience Honours

Graduation Requirements

In addition to the above requirements, students also complete one of
BPK 457 - Behavioural Neuroscience Undergraduate Honours Thesis Proposal (3)
PSYC 457 - Behavioural Neuroscience Undergraduate Honours Thesis Proposal (3)
and one of
BPK 459 - Behavioural Neuroscience Undergraduate Honours Thesis (9)
PSYC 459 - Behavioural Neuroscience Undergraduate Honours Thesis (9)

At least 60 upper division units including at least 50 in upper division psychology and biomedical physiology and kinesiology are required with the following CGPAs: an overall University CGPA of 3.00; an overall upper division CGPA of 3.00; an overall behavioral neuroscience CGPA of 3.0 calculated on lower and upper division requirements; an upper division behavioral neuroscience CGPA of 3.00 calculated on upper division requirements." **To total the minimum of 60 upper division units required for an honours degree, students may be required to complete additional upper division units, from any department including BPK (except for BPK 325, 342).**