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MEMORANDUM

ATTENTION Senate
FROM Wade Parkhouse, Chair
Senate Committee on
Undergraduate Studies
RE: Program Modifications

DATE July 5, 2019

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For information:

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

a. Beedie School of Business (SCUS 19-47)

- (i) Requirement changes to the Mechatronics Systems Engineering and Business Double Degree Program Major
- (ii) Requirement changes to the Joint Major in Business, Philosophy and the Law

b. Faculty of Science (SCUS 19-48)**1. Department of Biomedical Physiology and Kinesiology**

- (i) Upper division requirement changes to the Biomedical Physiology Major and Honours programs

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>.

**Calendar Entry Change****Beedie School of Business Undergraduate Programs****Rationale for change:**

This adds the new Co-op course, BUS 328 International Co-op Practicum (3), as an option for students in this program.

Previously, international Business Co-op Practicums had the same course number as the regular practicums. This will provide an international option to students.

Effective term and year:

Summer 2020

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

Mechatronics Systems Engineering and Business Double Degree Program Major

Calendar Change: “to” and “from” sections are not required. All deletions should be crossed out as follows: ~~sample~~. All additions should be marked by a **bold**.

Co-operative Education Work Experience

This double degree program requires the completion of a minimum of three mandatory engineering co-operative education work terms (MSE 293/294, MSE 393/394, and MSE 493/494). Dual-degree students may also take up to two additional co-op terms in Business (BUS 225, 325, 326, 327, **328**). These additional co-op terms will NOT count towards the three mandatory engineering co-op terms.



Calendar Entry Change Beedie School of Business Undergraduate Programs

Rationale for change:

We recently removed our course limit statement from many of our programs but not the Joint Major in Business, Philosophy and the Law.

We do not enforce this limit on unit enrollment and would like to update the language to reflect that.

Effective term and year:

Summer 2020

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

Joint Major in Business, Philosophy and the Law

Calendar Change: “to” and “from” sections are not required. All deletions should be crossed out as follows: ~~sample~~. All additions should be marked by a **bold**.

Grade Requirements

In addition to normal university grade point average requirements, the Beedie School of Business requires a minimum 2.30 overall SFU Business course grade point average for entry into all 300 and 400 division business courses.

A minimum 2.30 overall SFU Business course grade point average is required for graduation from a Business major, joint major, or double degree program.

For a course to be accepted as fulfilling a prerequisite, or for a lower division requirement, or for a core course to be accepted in a student's program in business, a student must have obtained a minimum grade of C- (C minus).

~~Course Limit~~

~~Students with fewer than 60 units may enroll in a maximum of 16 units per term. Those with 60 or more may enroll in a maximum of 18 units.~~

Letters of Permission



The Beedie School of Business Administration does not normally approve letters of permission for students already enrolled at Simon Fraser University.

Calendar Entry Change Biomedical Physiology and Kinesiology

Rationale for change:

The inclusion of these courses will increase the options for relevant course available to Biomedical Physiology students to complete their program and create a potential increase in the range of skills Biomedical Physiology graduates will possess.

The ^ is no longer required for some of the listed courses as Biomedical Physiology Major and Honors students are now required to have the relevant prerequisites.

BPK courses to be removed from BPK elective list are no longer offered.

Effective term and year: Summer 2020

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

Biomedical Physiology Major

Biomedical Physiology Honours

Calendar Change: “to” and “from” sections are not required. All deletions should be crossed out as follows: ~~sample~~. All additions should be marked by a **bold**.

Upper Division Requirements

...

Students complete six courses from Lists A and B

~~and one or two of List A~~

BISC 300 - Evolution (3)

BISC 302 – Genetic Analysis (3)

BISC 302W – Genetic Analysis (3)

BISC 303 - Microbiology (4)

BISC 316 - Vertebrate Biology (4)

BISC 333 - Developmental Biology (3) ~~^ (note : removing asterix)~~

BISC 357 - Genetic Engineering (4) ~~^ (note : removing asterix)~~

BISC 403 - Current Topics in Cell Biology (3)

BISC 405 - Neurobiology (3)

BISC 421 – Models in Biology: From Molecules to Migration (3)

BISC 423 – Developmental Neurobiology (3)

BISC 424 – Applied Genomics (3)

BISC 428 – Cell Anatomy (3)

CHEM 360 - Thermodynamics and Chemical Kinetics (3)

MBB 308 - Molecular Biology Laboratory (3) ^

MBB 309W - Biochemistry Laboratory (4)

MBB 322 - Molecular Physiology (3)

MBB 323 - Introduction to Physical Biochemistry (3)

MBB 324 - Protein Biochemistry (3)

MBB 331 - Molecular Biology (4) ~~^(note : removing asterix)~~

MBB 342 – Introduction to Genomics and Bioinformatics (3) ^

PHYS 347 - Introduction to Biological Physics (3)

and **four or five of List B**

BPK 301 - Biomechanics Laboratory (3)

BPK 308 - Experiments and Models in Systems Physiology (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 412 - Molecular Cardiac Physiology (3)

BPK 415 - Neural Control of Movement (3)

BPK 417 - Obesity, Adipocyte Function and Weight management (3) ~~or BPK 417W – Obesity, Adipocyte Function and Weight Management (3)~~

BPK 420 - Selected Topics in Kinesiology I (3) *

BPK 421 - Selected Topics in Kinesiology II (3) *

BPK 422 - Selected Topics in Kinesiology III (3) *

BPK 423 - Selected Topics in Kinesiology IV (3) *

BPK 426 - Functional Human Neuroanatomy (3)

~~BPK 430 - Human Energy Metabolism (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 448 - Rehabilitation of Movement Control (3)

~~BPK 458 - Prevention and Management of Cardiovascular Disease (3)~~

BPK 484 - Altitude and Aerospace Physiology (3)

BPK 496 - Directed Study Literature (3) *#

BPK 498 - Directed Study Experiential (3) *#

and three upper division units

from any department including BPK except for BPK 325, 342, 457, 459, 491, 495 and 499.

#A maximum of six units ~~from these courses from the following~~ may be used towards the List B above requirements

~~BPK 496 Directed Study Literature (3) *~~

~~BPK 498 Directed Study Experiential (3) *~~

~~and three upper division units from any department including BPK except for BPK 325, 342, 457, 459, 491, 495 and 499.~~

* must be selected topics courses in physiology

+ BPK (or KIN) 304W or BPK 408W satisfies the University's breadth requirements of three upper division units in writing

^ require additional prerequisites outside of program requirements