



8888 University Drive,  
Burnaby, BC  
Canada V5A 1S6

TEL: 778.782.6654  
FAX: 778.782.5876

avpacad@sfu.ca  
www.sfu.ca/vpacademic

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**MEMORANDUM**

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

DATE October 15, 2021  
PAGES 1/1

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**For information:**

Acting under delegated authority at its meeting of October 14, 2021 SCUS approved the following curriculum revisions effective Summer 2022.

**a. Faculty of Applied Sciences (SCUS 21-69)**

**1. School of Computing Science**

(i) Upper division requirement changes to the Computing Systems concentration for the:

- Computing Science Major
- Computing Science Dual Degree Program Major
- Computing Science Second Degree Major
- Computing Science Honours
- Computing Science and Linguistics Joint Major
- Information Systems in Business Administration and Computing Science Joint Major
- Computing Science Minor
- Certificate in Computing Studies

**b. Faculty of Science (SCUS 21-70)**

**1. Department of Biomedical Physiology and Kinesiology**

(i) Upper and Lower division requirement changes to the Kinesiology Major and Honours (***effective Spring 2022***):

- Active Health and Rehabilitation Concentration
- Kinesiology General Program

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>.



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| <b>Name of Program or Name of Faculty</b><br><br>School of Computing Science                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Rationale for change:</b><br><br>This course is new, and should be listed under the “Computing Systems” area of concentration                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Effective term and year:</b><br><br>Summer 2022                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>The following program(s) will be affected by these changes:</b><br><br><ul style="list-style-type: none"> <li>• Computing Science Major</li> <li>• Computing Science Dual Degree Program Major</li> <li>• Computing Science Second Degree Major</li> <li>• Computing Science Honours</li> <li>• Computing Science and Linguistics Joint Major</li> <li>• Information Systems in Business Administration and Computing Science Joint Major</li> <li>• Computing Science Minor</li> <li>• Certificate in Computing Studies</li> </ul> |

**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**.

|                                                                                                                                                                                                                                                            |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| COMPUTING SYSTEMS<br><br>CMPT 300 - Operating Systems I (3)<br>CMPT 305 - Computer Simulation and Modelling (3)<br>CMPT 371 - Data Communications and Networking (3)<br>CMPT 379 - Principles of Compiler Design (3)<br>CMPT 431 - Distributed Systems (3) |
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CMPT 433 - Embedded Systems (3)

**CMPT 450 – Computer Architecture (3)**

CMPT 471 - Networking II (3)

CMPT 479 - Special Topics in Computing Systems (3)

CMPT 499 - Special Topics in Computer Hardware (3)

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|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p><b>Name of Program or Name of Faculty</b><br/>Biomedical Physiology and Kinesiology</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <p><b>Rationale for change:</b> Proposed changes have come out of the BPK Educational Goals and Curriculum Mapping Project.</p> <p><b><u>Lower Division</u></b><br/> <b><u>Kinesiology Active Health and Rehabilitation Concentration</u></b><br/> Mapping illustrated over prescription in LD BPK courses for Active Health Concentration, with overlap of introductory level content for several goals in many categories. Proposed solution is to remove BPK 140 – Contemporary Health Issues from the Kinesiology Active Health Concentration required list. BPK 140 is not a prerequisite for any upper division course in the program. All other BPK LD requirements are prerequisites for Upper Division required or elective courses in the Major Program.</p> <p><b><u>Upper Division</u></b><br/> <b><u>Kinesiology General Program</u></b><br/> Program requires significantly more Application (A) within the core courses for multiple goals in several categories, in particular Application of Knowledge B8 - Demonstrate command of material that probes current research within one or more of the kinesiology subdisciplines e.g. anatomy, physiology, exercise physiology, environmental physiology, biomechanics, neuromechanics, rehabilitation, motor control, ergonomics.</p> <p><b><u>Kinesiology Active Health and Rehabilitation Concentration</u></b><br/> In addition to requiring a minimum 4<sup>th</sup> year elective, the applied nature of the Active Health and Rehabilitation Concentration requires that the additional program goals Application of Knowledge B3, B4, B5 B6,; Integration of Knowledge C 10; Autonomy E20 are addressed at the Application level. Proposed solution is to require a minimum of one BPK 4<sup>th</sup> year course from a specified elective list that address multiple Program Goals at the application level for the Kinesiology Active Health and Rehabilitation Concentration</p> |
| <p><b>Effective term and year:</b> Spring 2022</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <p><b>The following program(s) will be affected by these changes:</b></p> <p>Kinesiology Major<br/>Kinesiology Honours</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

**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**.

## Kinesiology Major

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### Lower Division Active Health and Rehabilitation Concentration

Students who choose this concentration will complete all of

BPK 110 - Human Nutrition: Current Issues (3)

~~BPK 140 - Contemporary Health Issues (3)~~

BPK 241 - Sports Injuries - Prevention and Rehabilitation (3)

...

Upper Division Requirements

All of the following courses must be completed with a grade of C- or higher.

### Upper Division Core

...

General Program

...

Students who choose this option will complete an additional 21 biomedical physiology and kinesiology units chosen from upper division BPK courses, excluding BPK ~~(or KIN)~~ 325, 342, 457, 459, 491, 495 and 499. MBB 321 may be used to satisfy three units of this requirement. **A minimum of three of these 21 units must be from 400 level BPK courses.**

...

### Active Health and Rehabilitation Concentration

This program option requires a total of at least 45 upper division units, which is composed of the upper division core courses shown above and the following additional requirements. Students who choose this concentration will complete additional BPK units as specified below, including all of

BPK 303 - Kinanthropometry (3)

BPK 343 - Active Health: Assessment and Programming (3)

**and one of\***

**BPK 415 - Neural Control of Movement (3)**

**BPK 432 - Physiological Basis of Temperature Regulation (3)**

**BPK 443 - Advanced Exercise Prescription (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 ~~four~~ **three** of, if not counted above

...

## **Kinesiology Honours**

...

### **Active Health and Rehabilitation Concentration**

Students who choose this concentration will complete all of

BPK 110 - Human Nutrition: Current Issues (3)

~~BPK 140 - Contemporary Health Issues (3)~~

BPK 241 - Sports Injuries - Prevention and Rehabilitation (3)

...

### **Upper Division Requirements**

All of the following courses must be completed with a grade of C- or higher.

### **Upper Division Core**

...

### **General Program**

...

Students who choose this option will complete an additional 21 biomedical physiology and kinesiology units chosen from upper division BPK (~~or KIN~~) courses, excluding BPK (~~or KIN~~) 325, 342, **457, 459**, 491, 495 and 499. MBB 321 may be used to satisfy three units of this requirement. **A minimum of three of these 21 units must be from 400 level BPK courses.**

...

### Active Health and Rehabilitation Concentration

This program option requires a total of at least 60 upper division units, which is composed of the upper division core courses shown above and the following additional requirements.

Students who choose this concentration will complete additional BPK units as specified below, including all of

BPK 303 - Kinanthropometry (3)

BPK 343 - Active Health: Assessment and Programming (3)

and one of\*

**BPK 415 - Neural Control of Movement (3)**

**BPK 432 - Physiological Basis of Temperature Regulation (3)**

**BPK 443 - Advanced Exercise Prescription (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 ~~four~~ three of, if not counted above

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