

EDUCATION COUNCIL

MINUTES OF THE MEETING HELD ON Tuesday, April 17, 2018 13:00 Room B141

Attendees:

Antonella Alves	Margaret Heldman	Lyndon Salas
Jim Bowers	Ian Humphreys	Roger Semmens
Sarah Bowers (Vice-Chair)	<i>Harmanpreet Kaur (a)</i>	<i>Ishpreet Singh (a)</i>
Steven Brouse	<i>Tarunpreet Kaur (a)</i>	<i>Jan Smith* (a)</i>
Patricia Cia	Gerda Krause (Chair)	Tomo Tanaka
Arnie Clark*	Tess MacMillan	Lane Trotter*
Laura Cullen	Robin Macqueen	Ryan Vernon
<i>Prabhjeet Dhaliwal (a)</i>	Ajay Patel	Lulin Zheng*

Regrets: R Cawsey, H Kaur

Minutes: Susan Smith

Guests: D Bernaerd, *R Cawsey (a)*,
N Franzova, W Pierson, M Lo, M Moniz de Sá

*non-voting
(a) absent

1. CALL TO ORDER/ANNOUNCEMENTS

G Krause called the meeting to order at 1:00 p.m. upon declaration of a quorum.

G Krause provided an update on the work of the bylaws subcommittee which has been tasked with reviewing EdCo membership under Langara's new academic structure, and possible revision of the EdCo bylaws. Pending receipt and approval of the subcommittee's recommendations, the current elected membership will remain in place.

Election of Chair and Vice-Chair will take place in accordance with the EdCo bylaws, with the election process to begin after the April meeting, and nominees to be drawn from the current membership.

2. MUSQUEAM LAND ACKNOWLEDGEMENT

G Krause acknowledged the meeting's location on the unceded traditional territory of the Musqueam First Nation, who have given Langara College the name *snəwəyət lələm*, *house of teachings*.

3. APPROVAL OF AGENDA

IT WAS MOVED by L Cullen, seconded by P Cia, that the agenda be approved.

MOTION CARRIED

4. APPROVAL OF MINUTES / Business arising

IT WAS MOVED by A Alves, seconded by T Tanaka that the minutes of the meeting of March 20, 2018 be approved.

MOTION CARRIED

5. CURRICULUM

G Krause turned the chair over to S Bowers.

A) MATHEMATICS & STATISTICS

a) New Program

- i) Post-Degree Diploma in Data Analytics

The proposed program will draw upon expertise from the departments of Mathematics & Statistics, Computer Science, Langara School of Management, and English to deliver a curriculum using industry-standard tools and technology. The program will engage the wider data analytics community and take advantage of industry support through a program advisory committee, potential co-op positions, and projects solving real business problems, while students will learn through applied and experiential activities to gain experience handling data from such fields as telecommunications, finance, and health care. The program is expected to have strong appeal to international students. Applicants must have a bachelor's degree from a recognized college or university, and must demonstrate adequate English literacy and numeracy skills. A number of new courses will be created for this program.

IT WAS MOVED by G Krause, seconded by M Heldman that the new program *Post-Degree Diploma in Data Analytics* be approved by Education Council.

MOTION CARRIED

b) Course Changes

- i) MATH 2365 – Mathematical Modelling
- ii) MATH 2475 – Differential Equations
- iii) MATH 2485 – Numerical Analysis

As an outcome of program review, new learning outcomes have been defined, and MATH 1252 is added as a prerequisite option in each of these courses. In MATH 2365 and 2485, the calendar description has been updated, and the number of credits reduced from 4 to 3, following the replacement of the lab component with an online exercise. These courses are transferable to 3-credit courses at other institutions.

IT WAS MOVED by G Krause, seconded by R Semmens, that the course revisions in *MATH 2365*, *MATH 2475* and *MATH 2485* be approved by Education Council.

MOTION CARRIED

B) BIOLOGY and COMPUTER SCIENCE & INFORMATION SYSTEMS

a) New Program

- i) Bachelor of Science in Bioinformatics

Market research, industry focus groups and academic consultation have illustrated a need for professionals in this new field. Langara would be the first college in Canada to offer a specialized and applied four-year Bachelor of Science in Bioinformatics. The program curriculum was created in close consultation with industry in order to ensure that graduates will meet requirements for employment in data science and analyst roles in a variety of industries including health care, forestry, and fisheries. The program incorporates computer lab-based courses and experiential learning opportunities, such as a mandatory 8-month Co-op term. First intake is fall 2019.

IT WAS MOVED by G Krause, seconded by M Heldman, that the new program *Bachelor of Science in Bioinformatics* be approved by Education Council.

MOTION CARRIED

b) New Courses

- i) BINF 1100 – Bioinformatics Industry Topics 1
- ii) BINF 2100 – Bioinformatics Industry Topics 2
- iii) BINF 3100 – Bioinformatics Industry Topics 3
- iv) BINF 4100 – Bioinformatics Industry Topics 4

These seminar-style courses will cover topics in the Bioinformatics industry.

- v) BINF 4215 – Bioinformatics Capstone 1
- vi) BINF 4225 – Bioinformatics Capstone 2

These two capstone courses will be taken by students in their final year of the Bioinformatics program. A research-based capstone project offers students the opportunity to integrate and apply the knowledge and skills gained through previous course work and their co-op experience.

- vii) BINF 4290 – Bioinformatics

This is a required course for the Bachelor of Science in Bioinformatics. Students will learn how to select, design, implement and evaluate a variety of computational tools and techniques to solve problems in the field of biology, and are introduced to the principles and practical approaches of bioinformatics.

IT WAS MOVED by G Krause, seconded by L Cullen, that the new courses *BINF 1100, BINF 2100, BINF 3100, BINF 4100, BINF 4215, BINF 4225* and *BINF 4290* be approved by Education Council.

MOTION CARRIED

- viii) BIOL 3315 – Evolution and Phylogenetics
- ix) BIOL 3430 – Molecular Genetics
- x) BIOL 4315 – Genomics and Transcriptomics
- xi) BIOL 4415 – Proteomics and Metabolomics

These are required biology courses in the new Bachelor of Science in Bioinformatics program.

c) Global Change

- i) BIOL 2430 replaced with BIOL 3430

d) Discontinued Course

- i) BIOL 2430 – Molecular Genetics

BIOL 2430 will be replaced with BIOL 3430, a similar course that has been developed for the BSc in Bioinformatics. After spring 2019, students requiring BIOL 2430 to complete a program can take BIOL 3430 instead, and those who have already completed BIOL 2430 can use it in place of BIOL 3430.

IT WAS MOVED by G Krause, seconded by M Heldman, that the new courses *BIOL 3315, BIOL 3430, BIOL 4315* and *BIOL 4415*, the discontinuation of *BIOL 2430 – Molecular Genetics*, and the global change to replace BIOL 2430 with *BIOL 3430 – Molecular Genetics* be approved by Education Council.

MOTION CARRIED

e) New Course

- i) CHEM 3216 – Molecular Modeling
- ii) CPSC 3260 – Data Transformations
- iii) CPSC 3280 – Cloud and Parallel Computing
- iv) CPSC 4160 – Data Mining and Machine Learning
- v) CPSC 4260 – Data Visualization

These are required courses in the new Bachelor of Science in Bioinformatics program.

IT WAS MOVED by G Krause, seconded by M Heldman, that the new courses *CHEM 3216, CPSC 3260, CPSC 3280, CPSC 4160*, and *CPSC 4260* be approved by Education Council.

MOTION CARRIED

f) Course Change

- i) BIOL 1175 – Introduction to Human Biology

This course is very similar to BIOL 1111, which is also an introduction to human biology, but BIOL 1175 is offered online with no labs. Due to the strong similarity between the two courses, this proposal will ensure that students can receive credit for either BIOL 1175 or BIOL 1111, but not both courses.

IT WAS MOVED by G Krause, seconded by J Bowers, that the revision to allow students to receive credit for one but not both of BIOL 1175 and BIOL 1111 be approved by Education Council.

MOTION CARRIED

g) Global Change

- i) BIOL 1116 replaced by BIOL 1111

Biology 1116 is a course that fills the requirement of a lab science course for Arts majors, and it also serves as a prerequisite for students without a biology background to register in Biology courses. To eliminate confusion, BIOL 1116 is replaced by the lower-numbered BIOL 1111, which more accurately reflects the introductory level of the course. This change was approved by Education Council in February 2018, but is returned with additional detail to ensure clarity for all programs affected by the change.

IT WAS MOVED by G Krause, seconded by M Heldman, that the global change to replace BIOL 1116 with *BIOL 1111* be approved by Education Council.

MOTION CARRIED

S Bowers returned the chair to G Krause.

C) SCHOOL OF NURSING

a) New Course

- i) NURS 4161 – Nursing Knowledge VIII: Advanced Healing Modalities for Complex Care

This theory course is designed to support BSN student learning in complex medical surgical practice placements.

b) Course Change

- i) NURS 4163 – Nursing Practice VIII: Complex Client Care

The course is retitled from Nursing Practice VIII: Society as Client to *Nursing Practice VIII: Complex Client Care*, the calendar description is updated, and corequisites are changed to include the new course NURS 4161, replacing NURS 4121. Changes are intended to provide more high acuity medical surgical practice opportunities for BSN students prior to entering the preceptorship.

c) Program Change

- i) Bachelor of Science in Nursing

The new course NURS 4161 replaces NURS 4121 in Term 8 of the curriculum. This change responds to the need to provide more experiences in high acuity medical surgical practice settings in the senior years of the program.

IT WAS MOVED by R Macqueen, seconded by M Heldman, that the new course NURS 4161, the course revision for NURS 4163 and the curriculum revision in the Bachelor of Science in Nursing program be approved by Education Council.

MOTION CARRIED

D) ASIAN STUDIES

a) Course Changes

- i) ASIA 1100 – Introduction to Traditional Asia
- ii) ASIA 1101 – Introduction to Modern Asia
- iii) ASIA 1120 – Religions of the East
- iv) ASIA 1125 – Introduction to East Asia (China)

- v) ASIA 1130 – Introduction to Southeast Asia
- vi) ASIA 1135 – Introduction to East Asia (Japan)
- vii) ASIA 1140 – Cross-Cultural Perspectives I
- viii) ASIA 1225 – Contemporary China
- ix) ASIA 1230 – Contemporary Southeast Asia
- x) ASIA 1235 – Contemporary Japan
- xi) ASIA 2115 – Japanese Society and Culture
- xii) ASIA 2170 – Imperialism in China (19th Century)
- xiii) ASIA 2200 – Cultural Foundations of East Asia
- xiv) ASIA 2208 – Cultural Foundations of South Asia
- xv) ASIA 2209 – Cultural Foundations of Southeast Asia
- xvi) ASIA 2215 – Japan Through Popular Culture
- xvii) ASIA 2250 – Buddhism
- xviii) ASIA 2260 – Asian Mythology
- xix) ASIA 2270 – Modern China and the West (20th Century)

As a result of the Asian Studies program review, course learning outcomes have been documented for each course.

Also, in ASIA 2170, the course title is changed to *China and the World in the Nineteenth Century and Before*, and in ASIA 2270, the course title is changed to *China and the World in the Twentieth Century and Beyond*.

IT WAS MOVED by L Cullen, seconded by S Bowers, that the learning outcomes in *ASIA 1100, 1101, 1120, 1125, 1130, 1135, 1140, 1225, 1230, 1235, 2115, 2170, 2200, 2208, 2209, 2215, 2250, 2260, 2270*, and the course title changes in *ASIA 2170* and *2270* be approved by Education Council.

MOTION CARRIED

E) IDS – FAMILY STUDIES

a) Program Change

- i) Associate of Arts Degree in Family Studies
- ii) Diploma in Family Studies

In both programs, the proposal would add *ENGL 2222 – Classical Literature in Translation* to the list of English course options to increase flexibility for students.

IT WAS MOVED by R Semmens, seconded by T MacMillan, that the addition of *ENGL 2222* to the list of English course options in the *Associate of Arts Degree in Family Studies* and the *Diploma in Family Studies* be approved by Education Council.

MOTION CARRIED

6. FOR INFORMATION

A. CONTINUING STUDIES

a) Program Revision

- i) Career Development Professional Certificate

Course hours are adjusted to better complement the required course coverage in the program. Total certificate completion hours are reduced from 390 to 351.

IT WAS MOVED by L Cullen, seconded by P Cia, that the Continuing Studies program revision be received by Education Council for information.

MOTION CARRIED

B. EdCo 101

G Krause informed Council that the 2018 “EdCo 101” orientation event will be held on May 8, including lunch, games and featuring guest Dr. Robert Fleming (BCCAT, DQAB) who will speak on the topic of the Quality Assurance Process Audit (QAPA).

I Humphreys acknowledged the contributions of outgoing Division Chairs and the changing roles in the Education Council membership.

7. ADJOURNMENT

The meeting was adjourned at 1:48 p.m.