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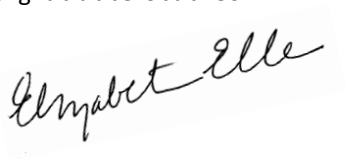
MEMORANDUM

ATTENTION: Senate

FROM: Elizabeth Elle, Vice-Chair, Senate Committee on Undergraduate Studies

RE: New Course Proposals

DATE: January 6, 2023



For information:

Acting under delegated authority at its meeting of January 5, 2023 SCUS approved the following curriculum revisions effective Fall 2023.

a. Faculty of Arts and Social Sciences

1. Department of Philosophy *(SCUS 23-04)*

(i) New Course Proposal: PHIL 479-3, Honours Tutorial in Philosophy

b. Faculty of Environment

1. Department of Geography *(SCUS 23-05)*

(i) New Course Proposals: GEOG 429-4, Racial Capitalism and Beyond

c. Faculty of Science

1. Department of Biological Sciences *(SCUS 23-06)*

(i) New Course Proposal: BISC 106-3, Biological Systems for Engineers (Fall 2024)

2. Department of Molecular Biology and Biochemistry *(SCUS 23-07)*

(i) New Course Proposal: MBB 478-3, Seminar in Molecular Epidemiology of Infectious Diseases

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.

SFU SENATE COMMITTEE ON UNDERGRADUATE STUDIES

NEW COURSE PROPOSAL

COURSE SUBJECT PHIL **NUMBER** 479

COURSE TITLE LONG — for Calendar/schedule, no more than 100 characters including spaces and punctuation

Honours Tutorial in Philosophy

COURSE TITLE SHORT — for enrollment/transcript, no more than 30 characters including spaces and punctuation

Honours Tutorial

CAMPUS where course will be normally taught: ☑ Burnaby ☐ Surrey ☐ Vancouver ☐ Great Northern Way ☐ Off campus

COURSE DESCRIPTION — 50 words max. Attach a course outline. Don't include WQB or prerequisites info in this description box.

In PHIL 479, each student will take a paper they wrote in a previous course (typically a 400-level seminar) and develop it into an honours thesis, supervised by the instructor of the previous course. Students may not enroll in PHIL 479 until a faculty member has agreed to supervise them. PHIL 479 is required for completion of the program, Honours in Philosophy.

REPEAT FOR CREDIT ☐ YES ☑ NO Total completions allowed ☐ Within a term? ☐ YES ☐ NO

LIBRARY RESOURCES

NOTE: Senate has approved (S.93-11) that no new course should be approved by Senate until funding has been committed for necessary library materials. Each new course proposal must be accompanied by the email that serves as proof of assessment. For more information, please visit www.lib.sfu.ca/about/overview/collections/course-assessments.

RATIONALE FOR INTRODUCTION OF THIS COURSE

The introduction of PHIL 479 is one component of the Philosophy Department's reforms to the program Honours in Philosophy. For an explanation of these reforms, and the reasons for them, please see the relevant program modification form.

SCHEDULING AND ENROLLMENT INFORMATION

Effective term and year (e.g. FALL 2016) Fall 2023

Term in which course will typically be offered ☑ Spring ☑ Summer ☑ Fall

Other *(describe)*

Will this be a required or elective course in the curriculum? ☑ Required ☐ Elective

What is the probable enrollment when offered? Estimate: 1

UNITS

Indicate number of units: 3

Indicate no. of contact hours: Lecture Seminar 3 Tutorial Lab Other; explain below

OTHER

FACULTY

Which of your present CFL faculty have the expertise to offer this course?

All faculty members will teach PHIL 479 from time to time.

WQB DESIGNATION

(attach approval from Curriculum Office)

PREREQUISITE AND / OR COREQUISITE

Enrolled in the philosophy honours program.

EQUIVALENT COURSES [For more information on equivalency, see Equivalency Statements under Information about Specific Course components.]

1. SEQUENTIAL COURSE [is not hard coded in the student information management system (SIMS).]

Students who have taken (*place relevant course(s) in the blank below (ex: STAT 100)*) **first** may not then take this course for further credit.

Students who have taken PHIL 477 or PHIL 478 first may not then take PHIL 479 for further credit.

2. ONE-WAY EQUIVALENCY [is not hard coded in SIMS.]

(*Place relevant course(s) in the blank below (ex: STAT 100)*) will be accepted in lieu of this course.

3. TWO-WAY EQUIVALENCY [is hard coded and enforced by SIMS.]

Students with credit for (*place relevant course(s) in the blank below (ex: STAT 100)*) may not take this course for further credit.

Does the partner academic unit agree that this is a two-way equivalency? ☐ YES ☐ NO

Please also have the partner academic unit submit a course change form to update the course equivalency for their course(s).

4. SPECIAL TOPICS PRECLUSION STATEMENT [is not hard coded in SIMS.]

FEES

Are there any proposed student fees associated with this course other than tuition fees? ☐ YES ☑ NO

COURSE – LEVEL EDUCATIONAL GOALS (OPTIONAL)

In PHIL 479, students will develop a thorough understanding of their topic area — more than is possible in a 400-level seminar. Students will also write a rigorous and in-depth honours thesis, developing their analytical and writing skills. Optionally, students will give a public presentation of their work, developing their capacity for public speaking and discussion.

RESOURCES

List any outstanding resource issues to be addressed prior to implementation: space, laboratory equipment, etc:

OTHER IMPLICATIONS

Final exam required ☐ YES ☑ NO

Criminal Record Check required ☐ YES ☑ NO

OVERLAP CHECK

Checking for overlap is the responsiblity of the Associate Dean.

Each new course proposal must have confirmation of an overlap check completed prior to submission to the Faculty Curriculum Committee.

Name of Originator

Thomas Donaldson, Philosophy Department

SFU SENATE COMMITTEE ON UNDERGRADUATE STUDIES

NEW COURSE PROPOSAL

COURSE SUBJECT GEOG **NUMBER** 429

COURSE TITLE LONG — for Calendar/schedule, no more than 100 characters including spaces and punctuation

Racial Capitalism and Beyond

COURSE TITLE SHORT — for enrollment/transcript, no more than 30 characters including spaces and punctuation

Racial Capitalism & Beyond

CAMPUS where course will be normally taught: ☑ Burnaby ☐ Surrey ☐ Vancouver ☐ Great Northern Way ☐ Off campus

COURSE DESCRIPTION — 50 words max. Attach a course outline. Don't include WQB or prerequisites info in this description box.

Explores the theoretical foundations in critical racial geographies. Also examines the modern history and reach of Black, subaltern, and decolonial thought in global context, with particular attention to relations of capital, race, nation-state, social reproduction, and the unfolding of contending geographies beyond the dominant world order.

REPEAT FOR CREDIT ☐ YES ☑ NO Total completions allowed ☐ Within a term? ☑ YES ☐ NO

LIBRARY RESOURCES

NOTE: Senate has approved (S.93-11) that no new course should be approved by Senate until funding has been committed for necessary library materials. Each new course proposal must be accompanied by the email that serves as proof of assessment. For more information, please visit www.lib.sfu.ca/about/overview/collections/course-assessments.

RATIONALE FOR INTRODUCTION OF THIS COURSE

A recent faculty hire in the Geography Department provides an opportunity to build on its current strengths in the Human Geography and Global Environmental Systems programs and develop curriculum that keeps apace with contemporary social justice crises and global movements for change. Part of this opportunity is the capacity now to scaffold a full program of study that centers and develops scholarly perspectives historically marginalized from the discipline. The addition of this class will thus accomplish at least two things: 1) On its own, this is class offers a sustained and systematic approach to the contemporary study of race, space, capital, and power, distinctive or one-of-a-kind in the department in its intensive methodological focus in Black geographies and comparative racialization; and 2) As part of the broader curriculum in Human Geography and Global Environmental Systems, it complements and ties together existing course offerings in political-economic geography, queer and feminist geographies, and decolonial geographies.

SCHEDULING AND ENROLLMENT INFORMATION

Effective term and year (e.g. FALL 2016) Fall 2023

Term in which course will typically be offered ☐ Spring ☐ Summer ☑ Fall

Other *(describe)*

Will this be a required or elective course in the curriculum? ☐ Required ☑ Elective

What is the probable enrollment when offered? Estimate: 25

UNITS

Indicate number of units: 4

Indicate no. of contact hours: 2 Lecture 2 Seminar Tutorial Lab Other; explain below

OTHER

FACULTY

Which of your present CFL faculty have the expertise to offer this course?

Sharon Luk, Magie Ramirez

WQB DESIGNATION

(attach approval from Curriculum Office)

PREREQUISITE AND / OR COREQUISITE

At least 60 units, including GEOG 100

EQUIVALENT COURSES [For more information on equivalency, see Equivalency Statements under Information about Specific Course components.]

1. SEQUENTIAL COURSE [is not hard coded in the student information management system (SIMS).]

Students who have taken (*place relevant course(s) in the blank below (ex: STAT 100)*) **first** may not then take this course for further credit.

2. ONE-WAY EQUIVALENCY [is not hard coded in SIMS.]

(*Place relevant course(s) in the blank below (ex: STAT 100)*) will be accepted in lieu of this course.

3. TWO-WAY EQUIVALENCY [is hard coded and enforced by SIMS.]

Students with credit for (*place relevant course(s) in the blank below (ex: STAT 100)*) may not take this course for further credit.

Does the partner academic unit agree that this is a two-way equivalency? ☐ YES ☐ NO

Please also have the partner academic unit submit a course change form to update the course equivalency for their course(s).

4. SPECIAL TOPICS PRECLUSION STATEMENT [is not hard coded in SIMS.]

FEES

Are there any proposed student fees associated with this course other than tuition fees? ☐ YES ☑ NO

COURSE – LEVEL EDUCATIONAL GOALS (OPTIONAL)

1. Understand and apply methods of historical materialist analysis and participate in the ongoing criticism and evolution of such approaches;
2. Practice critical vocabularies for thinking about modernity and adopt tools to consider how race, class, gender, and sexuality function as determinate forces;
3. Acquire a general understanding of the infrastructural conditions undergirding the creation, dynamics, and stakes of contemporary place-based struggles;
4. Practice methods of problem-posing education to question the ways knowledge itself works and, concurrently, to think dynamically and creatively as social/historical contexts change.

RESOURCES

List any outstanding resource issues to be addressed prior to implementation: space, laboratory equipment, etc:

OTHER IMPLICATIONS

Final exam required ☐ YES ☑ NO

Criminal Record Check required ☐ YES ☑ NO

OVERLAP CHECK

Checking for overlap is the responsiblity of the Associate Dean.

Each new course proposal must have confirmation of an overlap check completed prior to submission to the Faculty Curriculum Committee.

Name of Originator

Sharon Luk

SFU SENATE COMMITTEE ON UNDERGRADUATE STUDIES

NEW COURSE PROPOSAL

COURSE SUBJECT BISC **NUMBER** 106

COURSE TITLE LONG — for Calendar/schedule, no more than 100 characters including spaces and punctuation

Biological Systems for Engineers

COURSE TITLE SHORT — for enrollment/transcript, no more than 30 characters including spaces and punctuation

Biology for Engineers

CAMPUS where course will be normally taught: ☐ Burnaby ☑ Surrey ☐ Vancouver ☐ Great Northern Way ☐ Off campus

COURSE DESCRIPTION — 50 words max. Attach a course outline. Don't include WQB or prerequisites info in this description box.

Engineering students are introduced to biological levels of organization and biosystems thinking. Specific lecture and lab topics include: cells and cellular processes, DNA, plant biology, animal biology, pathogens, ecology, and biosystems.

REPEAT FOR CREDIT ☐ YES ☑ NO Total completions allowed ____ Within a term? ☐ YES ☐ NO

LIBRARY RESOURCES

NOTE: Senate has approved (S.93-11) that no new course should be approved by Senate until funding has been committed for necessary library materials. Each new course proposal must be accompanied by the email that serves as proof of assessment. For more information, please visit www.lib.sfu.ca/about/overview/collections/course-assessments.

RATIONALE FOR INTRODUCTION OF THIS COURSE

Mechatronic Systems Engineering (MSE) is developing a new Agri-Tech option within their program. The program will help prepare engineers to work in and support the Agri-Tech industry, especially in BC. This course is designed (at the request of FAS) specifically for students in this program, including those who may have no background in biology. The course aims to provide students with foundational knowledge of biological systems that they'll need for the Agri-Tech industry.

The course is designed for a blended format: asynchronous online lectures (equivalent to 3 hrs/week) and in-person weekly labs (2 hours/week). The lectures will draw on material from BISC 100, 101, and 102, with a focus on topics and examples relevant to the BC Agri-Tech industry. The labs will include both biology focused labs (~8 weeks of labs), as well as biosystems (engineering) focused labs (~4 weeks of labs). The biology labs will run at Surrey and piggyback onto existing BISC 101 labs. In other words, BISC 106 students will complete a subset of the lab activities (with minor modifications) completed by BISC 101 students. From a scheduling perspective, the labs will use the BISC 101 lab space, but will run at a different time.

SCHEDULING AND ENROLLMENT INFORMATION

Effective term and year (e.g. FALL 2016) Fall 2024

Term in which course will typically be offered ☐ Spring ☐ Summer ☑ Fall

Other *(describe)*

Will this be a required or elective course in the curriculum? ☑ Required ☐ Elective

What is the probable enrollment when offered? Estimate: 30

UNITS

Indicate number of units: 3

Indicate no. of contact hours: Lecture Seminar Tutorial 2 Lab B Other; explain below

OTHER

Blended: lectures are asynchronous, pre-recorded, equivalent to 3 hrs/week; labs are in person 2 hrs/week.

FACULTY

Which of your present CFL faculty have the expertise to offer this course?

Dr. Ivona Mladenovic

WQB DESIGNATION

(attach approval from Curriculum Office)

PREREQUISITE AND / OR COREQUISITE

Registration in the MSE program.

EQUIVALENT COURSES [For more information on equivalency, see Equivalency Statements under Information about Specific Course components.]

1. SEQUENTIAL COURSE [is not hard coded in the student information management system (SIMS).]

Students who have taken (*place relevant course(s) in the blank below (ex: STAT 100)*) **first** may not then take this course for further credit.

Students who have taken BISC 101 or higher level BISC courses may not take this course for further credit.

2. ONE-WAY EQUIVALENCY [is not hard coded in SIMS.]

(*Place relevant course(s) in the blank below (ex: STAT 100)*) will be accepted in lieu of this course.

3. TWO-WAY EQUIVALENCY [is hard coded and enforced by SIMS.]

Students with credit for (*place relevant course(s) in the blank below (ex: STAT 100)*) may not take this course for further credit.

Does the partner academic unit agree that this is a two-way equivalency? ☐ YES ☐ NO

Please also have the partner academic unit submit a course change form to update the course equivalency for their course(s).

4. SPECIAL TOPICS PRECLUSION STATEMENT [is not hard coded in SIMS.]

FEES

Are there any proposed student fees associated with this course other than tuition fees? ☑ YES ☐ NO

COURSE – LEVEL EDUCATIONAL GOALS (OPTIONAL)

RESOURCES

List any outstanding resource issues to be addressed prior to implementation: space, laboratory equipment, etc:

Faculty of Science and BISC are working on coordination of labs for BISC 101, BISC 106 and FIC's offering of BISC courses, which all share the same lab space at Surrey.

OTHER IMPLICATIONS

Final exam required ☑ YES ☐ NO

Criminal Record Check required ☐ YES ☑ NO

OVERLAP CHECK

Checking for overlap is the responsiblity of the Associate Dean.

Each new course proposal must have confirmation of an overlap check completed prior to submission to the Faculty Curriculum Committee.

Name of Originator

Dr. Ivona Mladenovic

SFU SENATE COMMITTEE ON UNDERGRADUATE STUDIES

NEW COURSE PROPOSAL
1 OF 4 PAGES

COURSE SUBJECT MBB **NUMBER** 478

COURSE TITLE LONG — for Calendar/schedule, no more than 100 characters including spaces and punctuation

Seminar in Molecular Epidemiology of Infectious Diseases

COURSE TITLE SHORT — for enrollment/transcript, no more than 30 characters including spaces and punctuation

Molecular Epidemiology Seminar

CAMPUS where course will be normally taught: ☐ Burnaby ☐ Surrey ☐ Vancouver ☐ Great Northern Way ☐ Off campus

COURSE DESCRIPTION — 50 words max. Attach a course outline. Don't include WQB or prerequisites info in this description box.

Application of modern molecular methods to epidemiological questions. Globally-relevant and emerging infectious diseases will be highlighted.

REPEAT FOR CREDIT ☐ YES ☑ NO Total completions allowed ☐ Within a term? ☐ YES ☐ NO

LIBRARY RESOURCES

NOTE: Senate has approved (S.93-11) that no new course should be approved by Senate until funding has been committed for necessary library materials. Each new course proposal must be accompanied by the email that serves as proof of assessment. For more information, please visit www.lib.sfu.ca/about/overview/collections/course-assessments.

RATIONALE FOR INTRODUCTION OF THIS COURSE

The recent Joint Appointment hire (FHS and MBB), Will Hsaio, has taken a course offered by FHS since 2009 (HSCI 478) and modified it to be accessible and relevent to MBB students as well as Health Science students, making this now a foundational course in the recently created Concentration in Infection and Immunity offered by MBB. Both units support the creation of MBB 478 in order to cross-list this course with HSCI 478. MBB and FHS have a long standing tradition of cross-listed courses that are taught by members of both units and that have an almost equal distribution of students from both units enrolled. MBB/HSCI 478 would joint MBB/HSCI 326 and MBB/HSCI 427 in this category.

More specifically, this course is an upper-level, seminar-based undergraduate course designed to build upon existing offerings and link the fundamental principles of molecular biology and epidemiology. The creation of this course reflects the expansion of expertise and student interest in modern molecular techniques applied to the surveillance, prevention and treatment of globally-relevant infectious diseases, thus falling directly within the mandate of the recent creation of a concentration in Infection and Immunity by the MBB department.

SCHEDULING AND ENROLLMENT INFORMATION

Effective term and year (e.g. FALL 2016) Fall 2023

Term in which course will typically be offered ☐ Spring ☐ Summer ☑ Fall

Other *(describe)*

Will this be a required or elective course in the curriculum? ☐ Required ☑ Elective

What is the probable enrollment when offered? Estimate: 50

UNITS

Indicate number of units: 3

Indicate no. of contact hours: Lecture 3 Seminar Tutorial Lab Other; explain below

OTHER

FACULTY

Which of your present CFL faculty have the expertise to offer this course?

Will Hsiao has a joint appointment in MBB and HSCI. Other faculty in HSCI or MBB (Holt, Morin, Brinkman) could also teach this course

WQB DESIGNATION

(attach approval from Curriculum Office)

PREREQUISITE AND / OR COREQUISITE

HSCI 326 or MBB 326 or MBB 331, with a minimum grade of C, or HSCI 338 with a minimum grade of C-.

EQUIVALENT COURSES [For more information on equivalency, see Equivalency Statements under Information about Specific Course components.]

1. SEQUENTIAL COURSE [is not hard coded in the student information management system (SIMS).]

Students who have taken (*place relevant course(s) in the blank below (ex: STAT 100)*) **first** may not then take this course for further credit.

2. ONE-WAY EQUIVALENCY [is not hard coded in SIMS.]

(*Place relevant course(s) in the blank below (ex: STAT 100)*) will be accepted in lieu of this course.

3. TWO-WAY EQUIVALENCY [is hard coded and enforced by SIMS.]

Students with credit for (*place relevant course(s) in the blank below (ex: STAT 100)*) may not take this course for further credit.

Students with credit for HSCI 478 may not take this course for further credit

Does the partner academic unit agree that this is a two-way equivalency? ☑ YES ☐ NO

Please also have the partner academic unit submit a course change form to update the course equivalency for their course(s).

4. SPECIAL TOPICS PRECLUSION STATEMENT [is not hard coded in SIMS.]

FEES

Are there any proposed student fees associated with this course other than tuition fees? ☐ YES ☑ NO

COURSE – LEVEL EDUCATIONAL GOALS (OPTIONAL)

RESOURCES

List any outstanding resource issues to be addressed prior to implementation: space, laboratory equipment, etc:

OTHER IMPLICATIONS

Final exam required ☑ YES ☐ NO

Criminal Record Check required ☐ YES ☑ NO

OVERLAP CHECK

Checking for overlap is the responsiblity of the Associate Dean.

Each new course proposal must have confirmation of an overlap check completed prior to submission to the Faculty Curriculum Committee.

Name of Originator

Ingrid Northwood