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MEMORANDUM

ATTENTION Senate

DATE October 4, 2022

FROM Jeff Derksen,
Chair of Senate Graduate Studies
Committee (SGSC)
RE: Program Change



For information:

Acting under delegated authority at its meeting of October 4, 2022, SGSC approved the following program changes, effective **Summer 2023**:

Beedie School of Business

- 1) Program Change: Business Administration in Indigenous Business Leadership Graduate Certificate
- 2) Program Change: Business Administration in Indigenous Business Leadership Graduate Diploma
- 3) Program Change: Indigenous Business Leadership EMBA

Faculty of Applied Science

School of Computing Science

- 1) Program Change: Master of Science in Professional Cybersecurity
- 2) Program Change: Master of Science in Professional Visual Computing

Faculty of Arts and Social Sciences

Department of Linguistics

- 1) Program Change: Linguistics MA
- 2) Program Change: Linguistics PhD

Faculty of Communication, Art & Technology

Publishing Program

- 1) Program Change: Publishing MPub

Faculty of Science

Department of Molecular Biology and
Biochemistry

- 1) Program Change: Molecular Biology and Biochemistry MSc
- 2) Program Change: Molecular Biology and Biochemistry PhD



BEEDIE SCHOOL OF BUSINESS

Segal Graduate School

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Memo to SGSC

To: Senate Graduate Studies Committee
From: Andrew Gemino, Associate Dean, Graduate Programs
Re: IBL Calendar Changes
Date: September 6th, 2022

The following curriculum revisions have been approved by the Beedie School of Business and are forwarded to the Senate Graduate Studies Committee for approval. These curriculum items should be effective for **Summer 2023**.

Please include them on the next SGSC agenda.

- IBL Calendar Changes
- ~~Course Changes~~

Thank you for your attention herein. Should you have any questions or concerns, please do not hesitate to contact me.

A handwritten signature in blue ink, appearing to read "AG", is written over a horizontal line.

Andrew Gemino
Associate Dean, Graduate Programs, Beedie School of Business

Calendar Entry Change for Business Administration in Indigenous Business Leadership Graduate Certificate

Summary of change:
Admission requirements have been updated for clarity and to promote accessibility, as well as to allow direct entry into the program. Course requirements have been updated to include an accounting course. Program length limits have been updated.
Rationale for change:
<p>There is an identified market need for Indigenous students and communities to access an Indigenous Business and Leadership program which provides foundational subject knowledge and creates accessible pathways to later study. Opening up the IBL Certificate program to direct admission will allow us to better serve communities by increasing access to foundational and culturally appropriate business courses for students who are not able to directly enter a full masters program for various reasons.</p> <p>In order to provide a more comprehensive curriculum for students who are not pursuing a full business masters or diploma, Financial and Managerial Accounting for Indigenous Leaders has been added to the list of available courses, along with special topics courses to allow for flexibility in course scheduling. There are two special topics course numbers included at the 4 credit and two at the two credit level. This will provide the program with flexibility to offer unique courses on a limited basis should the opportunity arise without delaying a students' completion timeline or impacting their graduation requirements.</p>
Program length requirements have been extended to three terms to allow students more flexibly to complete their diploma on a part-time basis if necessary.
Effective term and year:
Summer 2023
Will this change impact current students? If yes, what is the plan for current students?
No current students will be impacted

FROM	TO
<p>[...]</p> <p>Admission Requirements</p>	<p>[...]</p> <p>Admission Requirements</p>

Applicants must satisfy the University admission requirements as stated in the Graduate General Regulation 1.3 in the SFU Calendar. An undergraduate degree in ~~business, management, commerce, marketing or entrepreneurship~~ and a minimum of ~~ten~~ years of applicable work experience is ideal. A two-year diploma with outstanding grades as well as extensive work experience in the Indigenous community in a managerial or professional position will be taken into consideration. ~~There is no direct entry into the program.~~

Program Requirements

The program consists of course work for a minimum of 12 graduate units. ~~Specific topic courses may be substituted at the discretion of the academic director.~~

Students must complete ~~all of~~

BUS 600 - Orientation (0)
BUS 608 - Indigenous Business Leadership and Organization (4)
BUS 614 - Entrepreneurship and Innovation in Indigenous Communities (4)
BUS 622 - Fundamentals of Project Management in Indigenous Organizations (4)

Program Length

Students are expected to complete the program requirements within ~~one~~ term.

Academic Requirements within the Graduate General Regulations

Applicants must satisfy the University admission requirements as stated in the Graduate General Regulation 1.3 in the SFU Calendar. An undergraduate degree **or professional designation** and a minimum of **five** years of applicable work experience is ideal. A two-year diploma with outstanding grades as well as extensive work experience in the Indigenous community in a managerial or professional position will **also** be taken into consideration.

Program Requirements

The program consists of course work for a minimum of 12 graduate units.

Students must complete **12 units of the following**

BUS 600 - Orientation (0)
BUS 608 - Indigenous Business Leadership and Organization (4)
BUS 614 - Entrepreneurship and Innovation in Indigenous Communities (4)
BUS 622 - Fundamentals of Project Management in Indigenous Organizations (4)
BUS 626 - Financial and Managerial Accounting for Indigenous Leaders (4)
BUS 653 - Special Topics in Business Administration (2)
BUS 654 - Special Topics in Business Administration (2)
BUS 660 - Special Topics in Business Administration (4)
BUS 661 - Special Topics in Business Administration (4)

<p>All graduate students must satisfy the academic requirements that are specified in the <u>Graduate General Regulations</u>, as well as the specific requirements for the program in which they are enrolled.</p>	<p>No more than four units of special topics allowed.</p> <p>Program Length</p> <p>Students are expected to complete the program requirements within three terms.</p> <p>Academic Requirements within the Graduate General Regulations</p> <p>All graduate students must satisfy the academic requirements that are specified in the <u>Graduate General Regulations</u>, as well as the specific requirements for the program in which they are enrolled.</p>
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Calendar Entry Change for Business Administration in Indigenous Business Leadership Graduate Diploma

Summary of change:
Admission requirements have been updated for clarity and to promote accessibility, as well as to allow direct entry into the program. Course requirements have been updated to include a strategy course component in place of the previous data and decisions course requirement. Program length limits have been removed.
Rationale for change:
<p>There is an identified market need for Indigenous students and communities to access an Indigenous Business and Leadership program which provides foundational subject knowledge and creates accessible pathways to later study. Opening up the IBL Diploma program to direct admission will allow us to better serve communities by increasing access to foundational and culturally appropriate business courses for students who are not able to directly enter a full masters program for various reasons.</p> <p>In order to provide a more comprehensive curriculum for students who are not pursuing a full business masters, Business Strategy for Indigenous Leaders has been added to the course list in place of Data and Decision Making for Indigenous Leaders. Business strategy is a foundational course which provides diploma students with a broader strategic lens for decision making. Special Topics courses have also been added to improve flexibility in course scheduling and course offerings without increasing student completion timelines.</p>
Program length requirements have been extended to six terms for consistency with the Business Administration Graduate Diploma and to allow students the flexibility of completing via a part-time course load.
Effective term and year:
Summer 2023
Will this change impact current students? If yes, what is the plan for current students?
No current students will be impacted

FROM	TO
<p>[...] Admission Requirements</p> <p>Applicants must satisfy the University admission requirements as stated in the <u>Graduate General Regulation 1.3</u> in the</p>	<p>[...] Admission Requirements</p> <p>Applicants must satisfy the University admission requirements as stated in</p>

SFU Calendar. An undergraduate degree in ~~business, management, commerce, marketing or entrepreneurship~~ and a minimum of ~~ten~~ years of applicable work experience is ideal. A two-year diploma with outstanding grades as well as extensive work experience in the Indigenous community in a managerial or professional position will be taken into consideration. ~~There is no direct entry into the program.~~

Program Requirements

The program consists of course work for a minimum of 24 graduate units. ~~Specific topic courses may be substituted at the discretion of the academic director.~~

Students must complete ~~all of~~

BUS 600 - Orientation (0)

BUS 608 - Indigenous Business Leadership and Organization (4)

BUS 614 - Entrepreneurship and Innovation in Indigenous Communities (4)

BUS 622 - Fundamentals of Project

Management in Indigenous Organizations (4)

BUS 626 - Financial and Managerial

Accounting for Indigenous Leaders (4)

~~BUS 630 - Data and Decision Making for Indigenous Businesses (4)~~

BUS 657 - Marketing Strategies for Indigenous Leadership (4)

Program Length

Students are expected to complete the program requirements within ~~two~~ terms.

[...]

the Graduate General Regulation 1.3 in the SFU Calendar. An undergraduate degree **or professional designation** and a minimum of **five** years of applicable work experience is ideal. A two-year diploma with outstanding grades as well as extensive work experience in the Indigenous community in a managerial or professional position will **also** be taken into consideration.

Program Requirements

The program consists of course work for a minimum of 24 graduate units.

Students must complete **24 units of the following with academic director approval.**

BUS 600 - Orientation (0)

BUS 608 - Indigenous Business Leadership and Organization (4)

BUS 614 - Entrepreneurship and Innovation in Indigenous Communities (4)

BUS 622 - Fundamentals of Project Management in Indigenous Organizations (4)

BUS 626 - Financial and Managerial Accounting for Indigenous Leaders (4)

BUS 657 - Marketing Strategies for Indigenous Leadership (4)

BUS 653 - Special Topics in Business Administration (2)

BUS 654 - Special Topics in Business Administration (2)

BUS 660 - Special Topics in Business Administration (4)

BUS 661 - Special Topics in Business Administration (4)

BUS 679 - Business Strategy for Indigenous Leaders (4)

	<p>No more more than eight units of Special Topics courses will be permitted.</p>
	<p>Program Length</p> <p>Students are expected to complete the program requirements within six terms.</p>

Calendar Entry Change for Indigenous Business and Leadership EMBA

Summary of change:
Additional special topics courses and a change in wording of requirements have been added to increase flexibility and allow for the introduction of new topical courses when appropriate
Rationale for change:
Occasionally, the program may want to offer a special limited topic or to replace a course to fill a gap in the schedule. The addition of two special topics courses each at the two and four credit levels to the calendar and increased flexibility in requirements allows room for innovation in course offerings or scheduling adjustments without impacting the students' ability to complete the program on time
Effective term and year: Summer 2023
Will this change impact current students? If yes, what is the plan for current students?
Students who are currently enrolled in the program will be able to take a special topics course when offered without sacrificing graduation requirements or extending their graduation timeline

FROM	TO
<p>[...]</p> <h3>Program Requirements</h3> <p>The program consists of course work (52 units) and an applied project (four units) for a minimum of 56 graduate units. Special topics courses may be substituted at the discretion of the academic director.</p> <p>Students must complete all of</p> <p><u>BUS 600 - Orientation (0)</u> <u>BUS 608 - Indigenous Business Leadership and Organization (4)</u> <u>BUS 614 - Entrepreneurship and Innovation in Indigenous Communities (4)</u> <u>BUS 622 - Fundamentals of Project Management in Indigenous Organizations (4)</u></p>	<p>[...]</p> <h3>Program Requirements</h3> <p>The program consists of course work and an applied project for a minimum of 56 graduate units.</p> <p>Students must complete</p> <p><u>BUS 600 - Orientation (0)</u></p>

<p><u>BUS 626</u> - Financial and Managerial Accounting for Indigenous Leaders (4)</p> <p><u>BUS 630</u> - Data and Decision Making for Indigenous Businesses (4)</p> <p><u>BUS 657</u> - Marketing Strategies for Indigenous Leadership (4)</p> <p><u>BUS 665</u> - Indigenous Policy and Governance (4)</p> <p><u>BUS 668</u> - Financial Management for Indigenous Leadership (4)</p> <p><u>BUS 672</u> - Special Topics (4)</p> <p><u>BUS 675</u> - Indigenous Economies (4)</p> <p><u>BUS 679</u> - Business Strategy for Indigenous Leaders (4)</p> <p><u>BUS 683</u> - Negotiations for Indigenous Leaders (2)</p> <p><u>BUS 687</u> - Applied Project Preparation (2)</p> <p><u>BUS 692</u> - Indigenous Sustainability (4)</p> <p><u>BUS 697</u> - Applied Project (4)</p> <p>[...]</p>	<p>And 52 units of the following with academic director approval</p> <p><u>BUS 608</u> - Indigenous Business Leadership and Organization (4)</p> <p><u>BUS 614</u> - Entrepreneurship and Innovation in Indigenous Communities (4)</p> <p><u>BUS 622</u> - Fundamentals of Project Management in Indigenous Organizations (4)</p> <p><u>BUS 626</u> - Financial and Managerial Accounting for Indigenous Leaders (4)</p> <p><u>BUS 630</u> - Data and Decision Making for Indigenous Businesses (4)</p> <p>BUS 653- Special Topics in Business Administration (2)</p> <p>BUS 654 – Special Topics in Business Administration (2)</p> <p><u>BUS 657</u> - Marketing Strategies for Indigenous Leadership (4)</p> <p>BUS 660 – Special Topics in Business Administration (4)</p> <p>BUS 661 – Special Topics in Business Administration (4)</p> <p><u>BUS 665</u> - Indigenous Policy and Governance (4)</p> <p><u>BUS 668</u> - Financial Management for Indigenous Leadership (4)</p> <p><u>BUS 672</u> - Special Topics (4)</p> <p><u>BUS 675</u> - Indigenous Economies (4)</p> <p><u>BUS 679</u> - Business Strategy for Indigenous Leaders (4)</p> <p><u>BUS 683</u> - Negotiations for Indigenous Leaders (2)</p> <p><u>BUS 687</u> - Applied Project Preparation (2)</p> <p><u>BUS 692</u> - Indigenous Sustainability (4)</p> <p>And</p> <p><u>BUS 697</u> - Applied Project (4)</p> <p>No more more than eight units of Special Topics courses will be permitted.</p> <p>[...]</p>
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MEMORANDUM**ATTENTION** Senate**DATE** September 15, 2022**FROM** Jeff Derksen,
Chair of Senate Graduate Studies
Committee (SGSC)**RE:** Calendar Change for Computing Science**For information:**

Acting under delegated authority SGSC approved the following program changes following consultation with the Ministry of Advanced Education and Skills Training and the Degree Quality Assessment Board.

Faculty of Applied ScienceSchool of Computing Science

- 1) Program Change: Master of Science in Professional Cybersecurity
- 2) Program Change: Master of Science in Professional Visual Computing

Calendar Entry Change for Master of Science in Professional Cybersecurity

Summary of change:
Change the title of Master of Science in Professional Cybersecurity to Master of Cybersecurity.
Rationale for change: Through consultation with the Ministry of AEST and the Degree Quality Assessment Board, we have opted to change the program name to create clarity for students and align with the preferred BC nomenclature
Effective term and year: Summer 2023
Will this change impact current students? If yes, what is the plan for current students? No

FROM	TO
Master of Science in Professional Cybersecurity	Master of Cybersecurity

Calendar Entry Change for Master of Science in Professional Visual Computing

Summary of change:

Change the title of Master of Science in Professional Visual Computing to Master of Visual Computing.

Rationale for change:

Through consultation with the Ministry of AEST and the Degree Quality Assessment Board, we have opted to change the program name to create clarity for students and align with the preferred BC nomenclature

Effective term and year: Summer 2023

Will this change impact current students? If yes, what is the plan for current students?

No

FROM	TO
Master of Science in Professional Visual Computing	Master of Visual Computing

FACULTY OF
ARTS AND SOCIAL SCIENCES

MEMO

Office of the Dean

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fassadgs@sfu.ca
www.sfu.ca/fassATTENTION: Jeff Derksen, Dean
Graduate & Postdoctoral StudiesFROM : Sean Zwagerman, Chair
Faculty of Arts and Social Sciences
Graduate Studies Committee

RE: Items for SGSC

DATE: June 28, 2022

Dear Jeff,

The following were approved by the Faculty of Arts and Social Sciences Graduate Studies Committee on June 21, 2022, and are forwarded to the Senate Graduate Studies Committee for approval. Please include them on the next SGSC agenda.

1. Department of Linguistics

- a) ~~New Course Proposal~~ & Program Change
To be effective for Summer 2023



Sean Zwagerman
Associate Dean, Faculty of Arts and Social Sciences



Dr. Heather Bliss, Graduate Program Chair
DEPARTMENT OF LINGUISTICS
Faculty of Arts and Social Sciences

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May 17, 2022

Re: Linguistics Expanded MA Proposal

Dear FASS GSC Members

Please accept this memo documenting the Department of Linguistics' support for the Expanded MA Proposal, which includes:

- The introduction of a new course: LING 880 'Advanced Linguistic Research for Professional Development'
- The introduction of two new options for completing an MA in Linguistics (course-based and project-based, in addition to the existing thesis-based option)

Draft versions of the proposal were discussed amongst Linguistics faculty members in November 2021 and April 2022. A revised version was circulated to Linguistics faculty members on May 9 and the faculty voted at our May 12 Department meeting to accept the changes outlined in the proposal.

Respectively yours,

A handwritten signature in black ink, appearing to read "H Bliss", is written over a light blue horizontal line.

Dr. Heather Bliss
Graduate Program Chair, Linguistics

Calendar Entry Change for Linguistics Master of Arts

Summary of change: Introducing new options for completing the program (thesis-based, project-based, course-based)
Rationale for change: To introduce more flexibility into our program in order to attract a broader and more diverse range of students
Effective term and year: Summer 2023
Will this change impact current students? If yes, what is the plan for current students? No

FROM	TO
<p>This program consists of coursework and thesis for a minimum of 38 units.</p> <p>Students must complete</p> <p>LING 800 - Phonology (3) LING 801 - Syntax (3) LING 851 - Research Techniques and Experimental Design (3) LING 890 - Graduate Seminar I (1) * LING 891 - Graduate Seminar II (1) * three graduate courses**</p> <p>and a thesis</p> <p>LING 898 - MA Thesis (18)</p> <p>*LING 890 and LING 891 should be completed in the first year of program enrollment.</p> <p>**must be approved by the supervisor. Only one directed research course allowed.</p>	<p>This program offers a thesis option, project option, and coursework option for a minimum of 38 units</p> <p>Students must complete</p> <p>LING 800 - Phonology (3) LING 801 - Syntax (3) LING 851 - Research Techniques and Experimental Design (3) LING 880 – Advanced Linguistic Research for Professional Development (3) LING 890 - Graduate Seminar I (1) * LING 891 - Graduate Seminar II (1) * and three graduate courses**</p> <p>and requirements for one of the options below:</p> <p>Thesis Option LING 898 - MA Thesis (18)</p> <p>Project Option LING 893 – MA Project (6) and four additional graduate courses**</p> <p>Course-based Option and six additional graduate courses**</p>

	*LING 890 and LING 891 should be completed in the first year of program enrollment.
	**must be approved by the supervisor. Only one directed research course allowed.

Calendar Entry Change for Linguistics Doctor of Philosophy

Summary of change: Introducing LING 880 as a required course
Rationale for change: We are introducing this course as a requirement for all incoming graduate students to provide them with opportunities to work on foundational skills and to examine key research in the field, while also building networks and relationships in the Department and the field of linguistics.
Effective term and year: Summer 2023
Will this change impact current students? If yes, what is the plan for current students? No

FROM	TO
[...] Program Requirements	[...]
This program consists of course work, two qualifying papers, and a thesis for a minimum of 47 units.	This program consists of course work, two qualifying papers, and a thesis for a minimum of 47 units.
Students must complete in the first year of enrollment	Students must complete in the first year of enrollment
LING 890 - Graduate Seminar I (1) LING 891 - Graduate Seminar II (1) and five graduate courses*	LING 890 - Graduate Seminar I (1) LING 891 - Graduate Seminar II (1) LING 880 – Advanced Linguistic Research for Professional Development (3) and four graduate courses*
and two qualifying papers	and two qualifying papers
LING 894 - Qualifying Paper I (6) LING 895 - Qualifying Paper II (6) and a thesis	LING 894 - Qualifying Paper I (6) LING 895 - Qualifying Paper II (6) and a thesis
LING 899 - PhD Thesis (18) * must be approved by the supervisor. Only one directed research course allowed.	LING 899 - PhD Thesis (18) * must be approved by the supervisor. Only one directed research course allowed.
[...]	[...]

[...]



MEMORANDUM

ATTENTION:	Senate Graduate Studies Committee
FROM:	Philippe Pasquier, Chair, FCAT Graduate Studies Committee
RE:	PUB Course Proposals
DATE:	August 2, 2022

FCAT GSC has voted to approve the following course proposal(s) at the FCAT GSC meeting that occurred on July 19, 2022:

Publishing Program

- Course proposals:
 - PUB 890
 - PUB 891

Please add these items to the agenda of the upcoming SGSC meeting.

Yours sincerely,

A handwritten signature in black ink, appearing to be "PP", with a large, sweeping flourish extending to the right.

Philippe Pasquier, Ph.D.
Associate Dean, Academic, FCAT Chair
FCAT Undergraduate Curriculum Committee

cc: Hannah McGregor, Graduate Studies Committee Chair, PUB

ra/PP

MEMORANDUM

ATTENTION: Philippe Pasquier, Chair, FCAT GSC

FROM: Hannah McGregor, Graduate Program Chair, Publishing

RE: Master of Publishing New Course Proposals

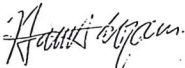
DATE: July 19, 2022

On June 3, 2022, following a successful vote, John Maxwell, Director of Publishing, approved the following motion at the Publishing GSC meeting:

- That two new non-credit courses, PUB890 and PUB 891, be added to the Master of Publishing to formalize the existing professional development offerings

We look forward to processing these changes to improve clarity for our graduate students.

Sincerely,



Hannah McGregor
Graduate Program Chair, Publishing

Calendar Entry Change for Master of Publishing

Summary of change:
Addition of two new non-credit courses, PUB 890 and PUB 891, to the Master of Publishing program
Rationale for change: We have created two zero-credit professional development seminars for the Master of Publishing program; this change is reflected in the updated list of required courses.
Effective term and year: Summer 2023
Will this change impact current students? If yes, what is the plan for current students? No

FROM	TO
Program Requirements	Program Requirements
This program consists of course work, an internship, and the requirements from either a project or course option for a minimum of 49 units.	This program consists of course work, an internship, and the requirements from either a project or course option for a minimum of 49 units.
Students must complete	Students must complete
PUB 600 - Topics in Publishing Management (4) PUB 601 - Editorial Theory and Practice (4) PUB 602 - Design and Production Management (4) PUB 605 - Book Publishing Project (5) PUB 606 - Media Project (4) PUB 607 - Publishing Technology Project (4) PUB 800 - Text & Context: Publishing in Contemporary Culture (4) PUB 801 - History of Publishing (4) PUB 802 - Technology and the Evolving Form of Publishing (4) and an internship PUB 899 - Publishing Internship or Project (6) and the requirements from either a project or course option	PUB 600 - Topics in Publishing Management (4) PUB 601 - Editorial Theory and Practice (4) PUB 602 - Design and Production Management (4) PUB 605 - Book Publishing Project (5) PUB 606 - Media Project (4) PUB 607 - Publishing Technology Project (4) PUB 800 - Text & Context: Publishing in Contemporary Culture (4) PUB 801 - History of Publishing (4) PUB 802 - Technology and the Evolving Form of Publishing (4) PUB 890 – Professional Practices Seminar I (0) PUB 891 – Professional Practices Seminar II (0) and an internship PUB 899 - Publishing Internship or Project (6) and the requirements from either a project or course option

Project Option	Project Option
PUB 900 - Publishing Project Report (6)	PUB 900 - Publishing Project Report (6)
Course Work Option	Course Work Option
Students complete a minimum of eight units from the following list of courses selected in consultation with supervisor or graduate program chair.	Students complete a minimum of eight units from the following list of courses selected in consultation with supervisor or graduate program chair.
PUB 611 - Making Knowledge Public: How Research Makes Its Way into Society (4)	PUB 611 - Making Knowledge Public: How Research Makes Its Way into Society (4)
PUB 631 - Graphic Design: The Page and the Screen (4)	PUB 631 - Graphic Design: The Page and the Screen (4)
PUB 638 - Design Awareness in Publishing Processes and Products (4)	PUB 638 - Design Awareness in Publishing Processes and Products (4)
PUB 648 - Publishing and Social Change: Tech, Texts, and Revolution (4)	PUB 648 - Publishing and Social Change: Tech, Texts, and Revolution (4)
PUB 655 - Online Marketing for Publishers (4)	PUB 655 - Online Marketing for Publishers (4)
PUB 656 - Institutional and International Event Planning and Management (4)	PUB 656 - Institutional and International Event Planning and Management (4)
PUB 877 - Special Topics in Publishing (4)	PUB 877 - Special Topics in Publishing (4)

MEMORANDUM

ATTENTION Senate Graduate Studies Committee **DATE** August 12, 2022

FROM Michael Silverman, Associate Dean of Research and Graduate Studies **PAGES** 1

RE: MBB graduate program changes

The following changes have been approved by the Faculty of Sciences and are forwarded to the Senate Graduate Studies Committee for approval. These curriculum items should be effective for Summer 2023. Please include them on the next SGSC agenda.

~~Department of Earth Sciences~~~~Request to change the title and description of the course EASC 620.~~*Department of Molecular Biology and Biochemistry*

1. PHD GRADUATE PROGRAM CHANGES

Changes to course units and course requirements – Addition of MBB 803

2. MSC GRADUATE PROGRAM CHANGES

Changes to course requirements – Addition of MBB 803.

3. ~~GRADUATE COURSE CHANGES~~a. ~~MBB 801: Student Seminar in Molecular Biology and Biochemistry – title~~~~and description~~b. ~~MBB 806: PhD Graduate Research Candidacy Examination – description~~

4. NEW GRADUATE COURSE PROPOSAL

~~MBB 803: MBB Department Seminar Series (form and outline attached)~~

Michael A. Silverman, Ph.D.
Faculty Graduate Chair

MOLECULAR BIOLOGY AND BIOCHEMISTRY

Memorandum

To: Mary-Catherine Kropinski, Associate Dean
of Graduate Studies, Faculty of Science

Re: PhD & MSc Program Changes;
Graduate Course Changes – MBB 801, 806; New
Graduate Course – MBB 803

From: Christopher Beh, MBB Graduate
Program Chair

Date: May 5, 2022

We are requesting approval of the following:

1. PHD GRADUATE PROGRAM CHANGES

Changes to course units and course requirements (form attached)

2. MSC GRADUATE PROGRAM CHANGES

Changes to course requirements (form attached)

~~**3. GRADUATE COURSE CHANGES**~~

- ~~a. **MBB 801: Student Seminar in Molecular Biology and Biochemistry** – title
and description (form attached)~~
- ~~b. **MBB 806: PhD Graduate Research Candidacy Examination** – description
(form attached)~~

~~**4. NEW GRADUATE COURSE PROPOSAL**~~

- ~~a. **MBB 803: MBB Department Seminar Series** (form and outline attached)~~

We were hoping these changes can be submitted to Grad Studies for their next
deadline of May 11, 2022 at noon.

Sincerely,



Dr. C.T. Beh

Calendar Entry Change for Molecular Biology and Biochemistry Master of Science

Summary of change: Changes reflect the addition of a required course (MBB 803) for new MBB graduate students and reducing elective courses accordingly.
Rationale for change: The new required course is intended to encourage student participation for scientific development.
Effective term and year: Summer 2023
Will this change impact current students? If yes, what is the plan for current students? No.

FROM	TO
<p>Program Requirements</p> <p>This program consists of required courses, elective courses, and a thesis for a minimum of 30 units.</p> <p>Students must complete</p> <p>MBB 801 - Student Seminar in Molecular Biology and Biochemistry I (3)</p> <p>and one unit of MBB colloquia by completing one of</p> <p>MBB 821 - Cell and Molecular Biology Colloquium (1) MBB 841 - Genomics and Bioinformatics Colloquium (1) MBB 861 - Biomolecular Structure and Function Colloquium (1)</p> <p>and an additional eight elective graduate units</p> <p>(These courses are chosen in consultation with the supervisory committee and can</p>	<p>Program Requirements</p> <p>This program consists of required courses, elective courses, and a thesis for a minimum of 30 units.</p> <p>Students must complete</p> <p>MBB 801 - Student Seminar in Molecular Biology and Biochemistry (3) MBB 803 – Department Seminar Series (1)*</p> <p>and one unit of MBB colloquia by completing one of</p> <p>MBB 821 - Cell and Molecular Biology Colloquium (1) MBB 841 - Genomics and Bioinformatics Colloquium (1) MBB 861 - Biomolecular Structure and Function Colloquium (1)</p> <p>and an additional six elective graduate units</p> <p>(These courses are chosen in consultation with the supervisory committee and can</p>

<p>include appropriate courses from MBB and/or other departments. Two of these eight units can come from colloquia and/or journal clubs, with journal clubs being completed as one-unit directed readings courses.)</p> <p>and a thesis</p> <p>MBB 898 - MSc Thesis (18)</p> <p>A major part of the program is original research. A thesis describing the research is submitted and defended in accordance with Graduate General Regulations.</p> <p>Research Seminar Series and Journal Clubs</p> <p>Students are expected to attend the Department of Molecular Biology and Biochemistry research seminar series and participate regularly in a journal club. Journal clubs are discussion groups that focus on the current research literature, and can be in the form of the MBB colloquia, or informal groups consisting of the members of one or more research laboratories.</p> <p>Program Length</p> <p>Students are expected to complete the program requirements in six terms.</p> <p>Other Information</p> <p>Interdisciplinary Oncology Graduate Specialization (IOGS)</p> <p>This specialization is for students who are interested in gaining exposure to diverse facets of cancer-related research. Application to the program is through the interdisciplinary oncology graduate specialization steering committee. The program consists of required courses, elective courses, and a thesis for a minimum of 30 units.</p>	<p>include appropriate courses from MBB and/or other departments.)</p> <p>and a thesis</p> <p>MBB 898 - MSc Thesis (18)</p> <p>A major part of the program is original research. A thesis describing the research is submitted and defended in accordance with Graduate General Regulations.</p> <p>*Must be taken twice. This course must be taken at the first opportunity in the graduate program for two consecutive offerings (Spring and Fall or Fall and Spring).</p> <p>Research Seminar Series</p> <p>Students are expected to attend the Department of Molecular Biology and Biochemistry research seminar series, even after completing MBB 803 twice.</p> <p>Program Length</p> <p>Students are expected to complete the program requirements in six terms.</p> <p>Other Information</p> <p>Interdisciplinary Oncology Graduate Specialization (IOGS)</p> <p>This specialization is for students who are interested in gaining exposure to diverse facets of cancer-related research. Application to the program is through the interdisciplinary oncology graduate specialization steering committee. The program consists of required courses, elective courses, and a thesis for a minimum of 30 units.</p> <p>The MSc program requirements for this specialization are as follows:</p>
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<p>The MSc program requirements for this specialization are as follows:</p>	<p>Students must complete the following</p>
<p>Students must complete the following</p>	<p>MBB 801 - Student Seminar in Molecular Biology and Biochemistry I (3) MBB 803 – MBB Department Seminar Series (1) *</p>
<p>MBB 801 - Student Seminar in Molecular Biology and Biochemistry I (3) ONC 502 - Concepts in Oncology (3) ONC 510 - Seminars in Oncology (3)</p>	<p>ONC 502 - Concepts in Oncology (3) ONC 510 - Seminars in Oncology (3)</p>
<p>and one unit of MBB colloquia by completing one of</p>	<p>and one unit of MBB colloquia by completing one of</p>
<p>MBB 821 - Cell and Molecular Biology Colloquium (1) MBB 841 - Genomics and Bioinformatics Colloquium (1) MBB 861 - Biomolecular Structure and Function Colloquium (1)</p>	<p>MBB 821 - Cell and Molecular Biology Colloquium (1) MBB 841 - Genomics and Bioinformatics Colloquium (1) MBB 861 - Biomolecular Structure and Function Colloquium (1)</p>
<p>and at least one of the following elective courses*</p>	<p>and a thesis</p>
<p>BISC 834 – Essential Cell Biology (3)</p>	<p>MBB 898 - MSc Thesis (18)</p>
<p>BPK 851 – Recent Advances in Experimental Carcinogenesis (3)</p>	<p>A major part of the MSc specialization program will be devoted to original research.</p>
<p>HSCI 775 – Seminar in Molecular Mechanisms of Epigenetics (3)</p>	<p>A thesis describing the work must be submitted and defended in accordance with SFU Graduate General Regulations.</p>
<p>HSCI 776 – Seminar in Molecular Basis of Drug Action and Environmental Exposure (3)</p>	<p>*Must be taken twice. This course must be taken at the first opportunity in the graduate program for two consecutive offerings (Spring and Fall or Fall and Spring).</p>
<p>HSCI 778 – Seminar in Molecular Epidemiology of Infectious Diseases (3)</p>	
<p>MBB 746 – The Molecular Biology of Cancer (3)</p>	
<p>MBB 762 – Human Genomics (3)</p>	
<p>ONC 548 – Rotation in Oncology (3)</p>	
<p>and a thesis</p>	
<p>MBB 898 - MSc Thesis (18)</p>	
<p>A major part of the MSc specialization program will be devoted to original research. A thesis describing the work must be submitted and defended in accordance with SFU Graduate General Regulations.</p>	

~~*Note: Any relevant special topics course from any department may be included upon permission of the IOGS steering committee. Oncology related courses at other institutions may also be used to satisfy the elective requirement. Please consult with the IOGS steering committee for queries regarding course eligibility.~~

Calendar Entry Change for Molecular Biology and Biochemistry Doctor of Philosophy

<p>Summary of change:</p> <p>Changes reflect the addition of a required course (MBB 803) for new MBB graduate students; updates to the MBB graduate program to reduce total elective units for graduation; include note for transfer-to-PhD students for MBB 806 under <i>Entry with a BSc or equivalent</i>.</p>
<p>Rationale for change:</p> <p>The new required course is intended to encourage student participation for scientific development; changes to reduce elective units address suggestions made during the last MBB Department external review. Change for MBB 806 note has been missed in the previous Calendar change.</p>
<p>Effective term and year: Summer 2023</p>
<p>Will this change impact current students? If yes, what is the plan for current students?</p> <p>The new course (MBB 803) only affects new students entering the MBB graduate program, starting in Fall 2022 – will be offered as a 1-unit directed readings course until MBB 803 is approved; changes to reduce elective units will be immediately applied to all students. No impact re change to MBB 806 note.</p>

FROM	TO
<p>[...]</p> <p>Program Requirements</p> <p>This program consists of required courses, elective courses, and a thesis.</p> <p>Entry with an MSc Degree</p> <p>Students must complete</p> <p>MBB 801 - Student Seminar in Molecular Biology and Biochemistry-I (3) *</p> <p>and a candidacy examination</p> <p>MBB 806 - PhD Graduate Research Candidacy Examination (3) **</p>	<p>[...]</p> <p>Program Requirements</p> <p>This program consists of required courses, elective courses, and a thesis.</p> <p>Entry with an MSc Degree</p> <p>Students must complete</p> <p>MBB 801 - Student Seminar in Molecular Biology and Biochemistry (3)</p> <p>MBB 803 – Department Seminar Series (1) *</p> <p>and a candidacy examination</p> <p>MBB 806 - PhD Graduate Research Candidacy Examination (3) **;</p>

<p>and a thesis</p> <p>MBB 899 - PhD Thesis (6)</p> <p>* This course can be repeated by an appropriate graduate course or colloquia if completed previously.</p> <p>** Must be taken no later than the 5th term of program enrollment.</p> <p>Entry with a BSc or equivalent</p> <p>Students who enter the program with a bachelor of science (BSc) degree, or equivalent, are required to complete a minimum of 18 units of course work. At least 15 units must be from graduate courses.</p> <p>Students must complete</p> <p>MBB 801 - Student Seminar in Molecular Biology and Biochemistry-I (3)</p>	<p>and a thesis</p> <p>MBB 899 - PhD Thesis (6)</p> <p>*Must be taken twice. This course must be taken at the first opportunity in the graduate program for two consecutive offerings (Spring and Fall or Fall and Spring).</p> <p>** Must be taken no later than the 5th term of program enrollment.</p> <p>Entry with a BSc or equivalent</p> <p>Students who enter the <u>PhD</u> program with a bachelor of science (BSc) degree, or equivalent, are required to complete a minimum of 15 units of course work.</p> <p>Students must complete</p> <p>MBB 801 - Student Seminar in Molecular Biology and Biochemistry (3)</p>
<p>and one unit of MBB colloquia by completing one of</p> <p>MBB 821 - Cell and Molecular Biology Colloquium (1)</p> <p>MBB 841 - Genomics and Bioinformatics Colloquium (1)</p> <p>MBB 861 - Biomolecular Structure and Function Colloquium (1)</p> <p>and an additional 11 elective units (at least eight units must be from graduate courses)*</p> <p>and a candidacy examination</p> <p>MBB 806 - PhD Graduate Research Candidacy Examination (3) **</p> <p>and a thesis</p>	<p>MBB 803 – MBB Department Seminar Series (1) *</p> <p>and one of</p> <p>MBB 821 - Cell and Molecular Biology Colloquium (1)</p> <p>MBB 841 - Genomics and Bioinformatics Colloquium (1)</p> <p>MBB 861 - Biomolecular Structure and Function Colloquium (1)</p> <p>and an additional six elective units **</p> <p>and a candidacy examination</p> <p>MBB 806 - PhD Graduate Research Candidacy Examination (3) ***</p> <p>and a thesis</p>

<p>MBB 899 - PhD Thesis (18)</p>	<p>MBB 899 - PhD Thesis (18)</p> <p>*Must be taken twice. This course must be taken at the first opportunity in the graduate program for two consecutive offerings (Spring and Fall or Fall and Spring)</p>
<p>* The elective units are chosen in consultation with the supervisory committee and can include appropriate courses from MBB and/or other departments. Two of these 11 units can come from colloquia and/or journal clubs, with journal clubs being completed as one-unit directed readings courses.</p> <p>** Must be taken no later than the 5th term of program enrollment.</p> <p>Research Seminar Series and Journal Clubs</p> <p>Students are expected to attend the Department of Molecular Biology and Biochemistry research seminar series and participate regularly in a journal club. Journal clubs are discussion groups that focus on the current research literature, and can be in the form of the MBB colloquia, or informal groups consisting of the members of one or more research laboratories.</p> <p>[...]</p> <p>Interdisciplinary Oncology Graduate Specialization (IOGS)</p> <p>This specialization is for students who are interested in gaining exposure to diverse facets of cancer-related research. Application to the program is through the Interdisciplinary Oncology Steering Committee. The major portion of the PhD specialization program will be devoted to original research. An original thesis which contributes to new knowledge must be presented and defended at the end of the degree program in accordance with SFU Graduate General Regulations. In</p>	<p>** The elective units are chosen in consultation with the supervisory committee and can include appropriate courses from MBB and/or other departments.</p> <p>*** Must be taken no later than the 5th term of program enrollment; and no later than the 6th term of MSc program enrollment for students planning to transfer to the PhD program.</p> <p>Research Seminar Series</p> <p>Students are expected to attend the Department of Molecular Biology and Biochemistry research seminar series, even after completing MBB 803 twice.</p> <p>[...]</p> <p>Interdisciplinary Oncology Graduate Specialization (IOGS)</p> <p>This specialization is for students who are interested in gaining exposure to diverse facets of cancer-related research. Application to the program is through the Interdisciplinary Oncology Steering Committee. The major portion of the PhD specialization program will be devoted to original research. An original thesis which contributes to new knowledge must be presented and defended at the end of the degree program in accordance with SFU Graduate General Regulations. In addition, all</p>

addition, all MBB PhD candidates must present a public seminar on their research.	MBB PhD candidates must present a public seminar on their research.
The PhD requirements for this specialization are as follows:	The PhD requirements for this specialization are as follows:
Entry with an MSc Degree	Entry with an MSc Degree
Students must complete all of	Students must complete all of
MBB 801 - Student Seminar in Molecular Biology and Biochemistry-I (3) *	MBB 801 - Student Seminar in Molecular Biology and Biochemistry (3) MBB 803 – Department Seminar Series (1) *
ONC 502 - Concepts in Oncology (3) ONC 510 - Seminars in Oncology (3)	ONC 502 - Concepts in Oncology (3) ONC 510 - Seminars in Oncology (3)
and a candidacy examination	and a candidacy examination
MBB 806 - PhD Graduate Research Candidacy Examination (3) **	MBB 806 - PhD Graduate Research Candidacy Examination (3) **
and a thesis	and a thesis
MBB 899 - PhD Thesis (18)	MBB 899 - PhD Thesis (18)
If a student has already completed the specialization as an MSc student, they may still enroll in the IOGS as a PhD student upon approval by the IOGS steering committee. Note that in this circumstance, ONC 510-3 must be taken for credit again in the PhD program, but ONC 502-3 cannot be taken again for credit.	If a student has already completed the specialization as an MSc student, they may still enroll in the IOGS as a PhD student upon approval by the IOGS steering committee. Note that in this circumstance, ONC 510-3 must be taken for credit again in the PhD program, but ONC 502-3 cannot be taken again for credit.
* If MBB 801 has already been completed, then a minimum of three courses are required, i.e. ONC 502, ONC 510, and MBB 806.	*Must be taken twice. This course must be taken at the first opportunity in the graduate program for two consecutive offerings (Spring and Fall or Fall and Spring).
** Must be taken no later than the 5th term of program enrollment.	** Must be taken no later than the 5th term of program enrollment.
Entry with a BSc or equivalent	Entry with a BSc or equivalent
Students must complete all of	Students must complete all of

<p>MBB 801 - Student Seminar in Molecular Biology and Biochemistry-I (3)</p>	<p>MBB 801 - Student Seminar in Molecular Biology and Biochemistry (3)</p> <p>MBB 803 – Department Seminar Series (1) *</p>
<p>ONC 502 - Concepts in Oncology (3)</p> <p>ONC 510 - Seminars in Oncology (3)</p> <p>and one unit of MBB colloquia by completing one of</p> <p>MBB 821 - Cell and Molecular Biology Colloquium (1)</p> <p>MBB 841 - Genomics and Bioinformatics Colloquium (1)</p> <p>MBB 861 - Biomolecular Structure and Function Colloquium (1)</p> <p>and at least two of the following elective courses*</p> <p>BISC 834 - Essential Cell Biology (3)</p> <p>BPK 851 - Recent Advances in Experimental Carcinogenesis (3)</p> <p>HSCI 775 - Seminar in Molecular Mechanisms of Epigenetics (3)</p> <p>HSCI 776 - Seminar in Molecular Basis of Drug Action and Environmental Exposure (3)</p> <p>HSCI 778 - Seminar in Molecular Epidemiology of Infectious Diseases (3)</p> <p>MBB 746 - The Molecular Biology of Cancer (3)</p> <p>MBB 762 - Human Genomics (3)</p> <p>ONC 548 - Rotation in Oncology (3)</p> <p>and a candidacy examination</p> <p>MBB 806 - PhD Graduate Research Candidacy Examination (3) **</p> <p>and a thesis</p> <p>MBB 899 - PhD Thesis (18)</p>	<p>ONC 502 - Concepts in Oncology (3)</p> <p>ONC 510 - Seminars in Oncology (3)</p> <p>and one of</p> <p>MBB 821 - Cell and Molecular Biology Colloquium (1)</p> <p>MBB 841 - Genomics and Bioinformatics Colloquium (1)</p> <p>MBB 861 - Biomolecular Structure and Function Colloquium (1)</p> <p>and at least one of the following elective courses**</p> <p>BISC 834 - Essential Cell Biology (3)</p> <p>BPK 851 - Recent Advances in Experimental Carcinogenesis (3)</p> <p>HSCI 775 - Seminar in Molecular Mechanisms of Epigenetics (3)</p> <p>HSCI 776 - Seminar in Molecular Basis of Drug Action and Environmental Exposure (3)</p> <p>HSCI 778 - Seminar in Molecular Epidemiology of Infectious Diseases (3)</p> <p>MBB 746 - The Molecular Biology of Cancer (3)</p> <p>MBB 762 - Human Genomics (3)</p> <p>ONC 548 - Rotation in Oncology (3)</p> <p>and a candidacy examination</p> <p>MBB 806 - PhD Graduate Research Candidacy Examination (3) ***</p> <p>and a thesis</p> <p>MBB 899 - PhD Thesis (18)</p> <p>*Must be taken twice. This course must be taken at the first opportunity in the graduate program for two consecutive offerings (Spring and Fall or Fall and Spring).</p>

<p>*Any relevant special topics course from any department may be included upon permission of the IOGS steering committee. Oncology related courses at other institutions may also be used to satisfy the elective requirement. Please consult with the IOGS steering committee for queries regarding course eligibility.</p> <p>** Must be taken no later than the 5th term of program enrollment.</p>	<p>** Any relevant special topics course from any department may be included upon permission of the IOGS steering committee. Oncology related courses at other institutions may also be used to satisfy the elective requirement. Please consult with the IOGS steering committee for queries regarding course eligibility.</p> <p>*** Must be taken no later than the 5th term of program enrollment; and no later than the 6th term of MSc program enrollment for students planning to transfer to the PhD program.</p>
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