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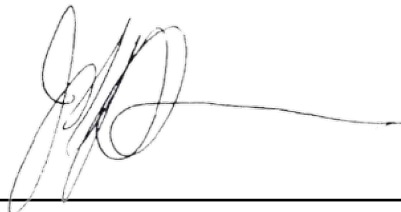
MEMORANDUM

ATTENTION Senate

DATE February 16, 2023

FROM Jeff Derksen,
Chair of Senate Graduate Studies
Committee (SGSC)

RE: Course Changes



For information:

Acting under delegated authority at its meeting of February 7, 2023, SGSC approved the following course changes, effective **Fall 2023**:

Beedie School of Business

Course Changes (title, prerequisite): BUS 801, BUS 810, BUS 818
 Course Change (prerequisite): BUS 802
 Course Change (title, description): BUS 803
 Course Change (prerequisite, units, grading basis, description): BUS 880

Faculty of Applied Sciences

School of Computing Science

Course Change (title, description, prerequisite): CMPT 732
 Course Change (title, description): CMPT 733

Faculty of Arts and Social Sciences

Department of Political Science

Course Change (units, description): POL 892
 Course Change (units) POL 897
 Course Change (prerequisite) POL 898

Faculty of Science

Department of Earth Science

Course Change (units): EASC 810

Department of Molecular Biology and Biochemistry

Course Change (course number, title, description, prerequisite, equivalent statement): MBB 669
 Course Change (title, prerequisite): MBB 727
 Course Change (description): ONC 510



Memo to SGSC

To: Senate Graduate Studies Committee
From: Andrew Gemino, Associate Dean, Graduate Programs
Re: MSc Calendar Changes for Fall 2023
Date: January 10, 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 **Fall 2023**.

Please include them on the next SGSC agenda.

- ~~Calendar description Change for MSc Finance Course title/ language updates and changes to required credits. Elective language moved to within streams.~~
- ~~New course proposals and minor course changes~~
- ~~Course outlines to accompany proposals~~

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

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



Graduate Course Change

Attach a separate document if more space is required.

Course Subject/Number	BUS 801	Units	3	Effective Term and Year	Fall 2023
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Course Title	Financial Modelling Tools
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Rationale for Change:
The current title is somewhat confusing since it does not adequately match the contents of the course. This course is about financial modelling in general, not just about the 'tools'. Having 'tools' in the title can lead to misunderstandings and it is therefore proposed to drop it. Academic Director approval will be required for course enrolment.

Proposed Changes (Check all that apply)

- Course number
 Units*
 Title
 Description
 Prerequisite
 Other _____

Complete only the fields to be changed

FROM	TO
Course Subject/Number	Course Subject/Number
Units	Units*
Course Title Financial Modelling Tools	Course Title (max 100 characters) Financial Modelling
Course Short Title	Course Short Title (max 30 characters)
Description	Description
Prerequisite	Prerequisite Academic Director approval
Other	Other

* Program requirements may need to be revised when course units are changed. Please review the calendar and submit any relevant program revisions resulting from this course change.

REMINDER: All course changes must be identified on a cover memo and confirmed as approved when submitted to FGSC and SGSC.

CONTACT PERSON

Department / School / Program Beedie Grad Programs	Contact name Ariel Johnson	Contact email busgradprogram
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DEPARTMENTAL APPROVAL

Department Graduate Program Committee	Signature	Date
Department Chair Frederick Wildeboorse	Signature <i>Wildeboorse</i>	Date 23/09/2022

FACULTY APPROVAL

Faculty Graduate Studies Committee (FGSC) Andrew Gemino	Signature <i>AG</i>	Date 23/09/2022
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SENATE GRADUATE STUDIES COMMITTEE APPROVAL

Senate Graduate Studies Committee (SGSC) Jeff Derksen	Signature <i>JD</i>	Date 16/02/23
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ADMINISTRATIVE SECTION (for DGS office only)

Course Attribute: _____
 Course Attribute Value: _____
 Instruction Mode: _____
 Attendance Type: _____

If different from regular units:
 Academic Progress Units: _____
 Financial Aid Progress Units: _____

Graduate Course Change

Attach a separate document if more space is required.

Course Subject/Number	BUS 802	Units	3	Effective Term and Year	Fall 2023
Course Title	Corporate Finance				
Rationale for Change:	Students must complete prerequisites to take this course.				

Proposed Changes (Check all that apply)

Course number
 Units*
 Title
 Description
 Prerequisite
 Other _____

Complete only the fields to be changed

FROM	TO
Course Subject/Number	Course Subject/Number
Units	Units*
Course Title	Course Title (max 100 characters)
Course Short Title	Course Short Title (max 30 characters)
Description	Description
Prerequisite BUS 877 and BUS 878	Prerequisite BUS 806, BUS 827 & BUS 803
Other	Other

* Program requirements may need to be revised when course units are changed. Please review the calendar and submit any relevant program revisions resulting from this course change.

REMINDER: All course changes must be identified on a cover memo and confirmed as approved when submitted to FGSC and SGSC.

CONTACT PERSON

Department / School / Program Beedie Grad Programs	Contact name Ariel Johnson	Contact email busgradprogram
---	-------------------------------	---------------------------------

DEPARTMENTAL APPROVAL

Department Graduate Program Committee	Signature	Date
Department Chair Frederick Wildeboorse	Signature <i>Wildeboorse</i>	Date 23/09/2022

FACULTY APPROVAL

Faculty Graduate Studies Committee (FGSC) Andrew Gemino	Signature <i>AG</i>	Date 23/09/2022
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SENATE GRADUATE STUDIES COMMITTEE APPROVAL

Senate Graduate Studies Committee (SGSC) Jeff Derksen	Signature <i>JD</i>	Date 16/02/2023
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ADMINISTRATIVE SECTION (for DGS office only)

Course Attribute: _____
 Course Attribute Value: _____
 Instruction Mode: _____
 Attendance Type: _____

If different from regular units:
 Academic Progress Units: _____
 Financial Aid Progress Units: _____

Graduate Course Change

Attach a separate document if more space is required.

Course Subject/Number	BUS 803	Units	3	Effective Term and Year	Fall 2023
Course Title	Financial Econometrics				
Rationale for Change: There are two reasons for this request: 1) The title does not adequately reflect the contents of this course. While the statistical methods used are indeed econometrical, there is a strong focus on data, especially financial data. 2) There are two specialized econometrics courses in the program, Econometrics I and Econometrics II. Using the same name for this course is confusing.					

Proposed Changes (Check all that apply)

Course number
 Units*
 Title
 Description
 Prerequisite
 Other _____

Complete only the fields to be changed

FROM	TO
Course Subject/Number	Course Subject/Number
Units	Units*
Course Title Financial Econometrics	Course Title (max 100 characters) Financial Data Analytics
Course Short Title Fin. Econometrics	Course Short Title (max 30 characters) Financial Data Analytics
Description Financial econometrics for testing asset pricing models and portfolio performance measurement.	Description Financial data analytics for testing asset pricing models and portfolio performance measurement.
Prerequisite	Prerequisite
Other	Other

* Program requirements may need to be revised when course units are changed. Please review the calendar and submit any relevant program revisions resulting from this course change.

REMINDER: All course changes must be identified on a cover memo and confirmed as approved when submitted to FGSC and SGSC.

CONTACT PERSON

Department / School / Program Beedie Grad Programs	Contact name Ariel Johnson	Contact email busgradprogram
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DEPARTMENTAL APPROVAL

Department Graduate Program Committee	Signature	Date
Department Chair Frederick Wildeboorse	Signature <i>Wildeboorse</i>	Date 23/09/2022

FACULTY APPROVAL

Faculty Graduate Studies Committee (FGSC) Andrew Gemino	Signature <i>AG</i>	Date 23/09/2022
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SENATE GRADUATE STUDIES COMMITTEE APPROVAL

Senate Graduate Studies Committee (SGSC) Jeff Derksen	Signature <i>JD</i>	Date 16/02/2023
--	------------------------	--------------------

ADMINISTRATIVE SECTION (for DGS office only)

Course Attribute: _____
 Course Attribute Value: _____
 Instruction Mode: _____
 Attendance Type: _____

If different from regular units:
 Academic Progress Units: _____
 Financial Aid Progress Units: _____

Graduate Course Change

Attach a separate document if more space is required.

Course Subject/Number BUS 810	Units 3	Effective Term and Year Fall 2023
Course Title Advanced Fixed Income Analysis		
Rationale for Change: This is the only Fixed Income Analysis course in the program, and the contents of the course are Masters' level introductory. Hence is it more accurate to call it 'Fixed Income Analysis'. New prerequisites required.		

Proposed Changes (Check all that apply)

Course number
 Units*
 Title
 Description
 Prerequisite
 Other _____

Complete only the fields to be changed

FROM	TO
Course Subject/Number	Course Subject/Number
Units	Units*
Course Title Advanced Fixed Income Analysis	Course Title (max 100 characters) Fixed Income Analysis
Course Short Title Advanced Fixed Income Analysis	Course Short Title (max 30 characters) Fixed Income Analysis
Description	Description
Prerequisite	Prerequisite BUS 806, BUS 827 & BUS 803
Other	Other

* Program requirements may need to be revised when course units are changed. Please review the calendar and submit any relevant program revisions resulting from this course change.

REMINDER: All course changes must be identified on a cover memo and confirmed as approved when submitted to FGSC and SGSC.

CONTACT PERSON

Department / School / Program Beedie Grad Programs	Contact name Ariel Johnson	Contact email busgradprogram
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DEPARTMENTAL APPROVAL

Department Graduate Program Committee	Signature	Date
Department Chair Frederick Wildeboorse	Signature <i>Wildeboorse</i>	Date 23/09/2022

FACULTY APPROVAL

Faculty Graduate Studies Committee (FGSC) Andrew Gemino	Signature <i>AG</i>	Date 23/09/2022
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SENATE GRADUATE STUDIES COMMITTEE APPROVAL

Senate Graduate Studies Committee (SGSC) Jeff Derksen	Signature <i>JD</i>	Date 16/02/2023
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ADMINISTRATIVE SECTION (for DGS office only)

Course Attribute: _____
Course Attribute Value: _____
Instruction Mode: _____
Attendance Type: _____

If different from regular units:
Academic Progress Units: _____
Financial Aid Progress Units: _____

Graduate Course Change

Attach a separate document if more space is required.

Course Subject/Number BUS 818	Units 3	Effective Term and Year Fall 2023
Course Title Advanced Derivatives		
Rationale for Change: This is the only Derivatives course in the program, and the contents of the course are Masters' level introductory. Hence is it more accurate to call it 'Derivatives'. Students must complete prerequisites to take this course.		

Proposed Changes (Check all that apply)

Course number
 Units*
 Title
 Description
 Prerequisite
 Other _____

Complete only the fields to be changed

FROM	TO
Course Subject/Number	Course Subject/Number
Units	Units*
Course Title Advanced Derivatives	Course Title (max 100 characters) Derivatives
Course Short Title Advanced Derivatives	Course Short Title (max 30 characters) Derivatives
Description	Description
Prerequisite	Prerequisite BUS 806, BUS 827 & BUS 803
Other	Other

* Program requirements may need to be revised when course units are changed. Please review the calendar and submit any relevant program revisions resulting from this course change.

REMINDER: All course changes must be identified on a cover memo and confirmed as approved when submitted to FGSC and SGSC.

CONTACT PERSON

Department / School / Program Beedie Grad Programs	Contact name Ariel Johnson	Contact email busgradprogram
---	-------------------------------	---------------------------------

DEPARTMENTAL APPROVAL

Department Graduate Program Committee	Signature	Date
Department Chair Frederick Wildeboorse	Signature <i>Wildeboorse</i>	Date 23/09/2022

FACULTY APPROVAL

Faculty Graduate Studies Committee (FGSC) Andrew Gemino	Signature <i>AG</i>	Date 23/09/2022
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SENATE GRADUATE STUDIES COMMITTEE APPROVAL

Senate Graduate Studies Committee (SGSC) Jeff Derksen	Signature <i>JD</i>	Date 16/02/2023
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ADMINISTRATIVE SECTION (for DGS office only)

Course Attribute: _____
Course Attribute Value: _____
Instruction Mode: _____
Attendance Type: _____

If different from regular units:
Academic Progress Units: _____
Financial Aid Progress Units: _____

Graduate Course Change

Attach a separate document if more space is required.

Course Subject/Number BUS 880	Units 0	Effective Term and Year Fall 2023
Course Title Student Investment Advisory Service Practicum		
Rationale for Change: To have a clear indication of the performance of the student. SIAS is an integral part of the MSc in Finance and there are three main reasons why this course should be graded: 1) To make sure there is no free-loading, 2) To incentivize the students to do well in this essential course, 3) To give potential employers and indication of the strength of the student in this area - similar to the other graded courses in the program (this is based on frequent feedback we have received)		

Proposed Changes (Check all that apply)

Course number
 Units*
 Title
 Description
 Prerequisite
 Other Grading Basis : Graded

Complete only the fields to be changed

FROM	TO
Course Subject/Number	Course Subject/Number
Units 0	Units* 3
Course Title	Course Title (max 100 characters)
Course Short Title	Course Short Title (max 30 characters)
Description Students in this course will manage the Student Investment Advisory Service (SIAS) fund which includes \$10 million of the university's endowment portfolio, funded by contributions from HSBC Bank Canada and Lohn Foundation. SIAS fund follows a value investing mandate set by the client (SFU) through a conservative investment policy statement. The fund is composed of four actively managed asset classes: Cash, Canadian Equity, Global Equity and Fixed Income. SIAS fund reports monthly compliance and performance to the client and faculty advisors. Additionally, performance review presentations are held on a quarterly basis. Students must be enrolled in BUS 880 no later than the second term of enrollment and throughout the program in order to successfully complete the course. Graded on a satisfactory/unsatisfactory basis.	Description Students in this course will manage the Student Investment Advisory Service (SIAS) fund which includes \$10 million of the university's endowment portfolio, funded by contributions from HSBC Bank Canada and Lohn Foundation. SIAS fund follows a value investing mandate set by the client (SFU) through a conservative investment policy statement. The fund is composed of four actively managed asset classes: Cash, Canadian Equity, Global Equity and Fixed Income. SIAS fund reports monthly compliance and performance to the client and faculty advisors. Additionally, performance review presentations are held on a quarterly basis. Students must be enrolled in BUS 880 no later than the second term of enrollment and throughout the program in order to successfully complete the course.
Prerequisite	Prerequisite BUS 881 or Academic Director approval
Other Grading Basis: Satisfactory/Unsatisfactory	Other Grading Basis: Graded

* Program requirements may need to be revised when course units are changed. Please review the calendar and submit any relevant program revisions resulting from this course change.

REMINDER: All course changes must be identified on a cover memo and confirmed as approved when submitted to FGSC and SGSC.

CONTACT PERSON

Department / School / Program Beedie Grad Programs	Contact name Ariel Johnson	Contact email busgradprogram
---	-------------------------------	---------------------------------

DEPARTMENTAL APPROVAL

Department Graduate Program Committee	Signature	Date
Department Chair Frederick Wildeboorse	Signature <i>Wildeboorse</i>	Date 23/09/2022

FACULTY APPROVAL

Faculty Graduate Studies Committee (FGSC) Andrew Gemino	Signature <i>AG</i>	Date 23/09/2022
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SENATE GRADUATE STUDIES COMMITTEE APPROVAL

Senate Graduate Studies Committee (SGSC) Jeff Derksen	Signature <i>JD</i>	Date 16/02/2023
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ADMINISTRATIVE SECTION (for DGS office only)

Course Attribute: _____
Course Attribute Value: _____
Instruction Mode: _____
Attendance Type: _____

If different from regular units:
Academic Progress Units: _____
Financial Aid Progress Units: _____

MEMORANDUM

Attention Dr. Jeff Derksen
Dean, Graduate Studies

Date: Dec 1, 2022

From Dr. Parvaneh Saeed, psaeedi@sfu.ca
Faculty of Applied Science, Graduate Studies Committee

Re: ~~Program name change~~ Two course name changes

~~1. The faculty of Applied Sciences Graduate Studies Committee would like to request the following program name change: **Master of Science in Computer Science to Master of Science in Big Data.**~~

2. To align with the program name change we request to change the name of the following two courses:
- CMPT 732: from **Professional Master's Program Lab I** to **Big Data Lab I**, and
 - CMPT 733: from **Professional Master's Program Lab II** to **Big Data Lab II**.

The rationale for these changes is to correspond to the ministry-approved Master of Visual Computing and Master of Cybersecurity programs. The new programs will have their own specific lab courses. Both programs will be offered starting in the fall of 2023.

Regards,
Parvaneh Saeedi





COMPUTING SCIENCE

MEMO

BURNABY
10700 Applied Sciences Building
8888 University Drive
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Canada

SURREY
250-13450 102 Avenue
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Tel: 778-782-4277
Fax: 778-782-3045
Web: www.cs.sfu.ca

ATTENTION	Dr. Parvaneh Saeedi Associate Dean, Research & Graduate Studies, FAS
FROM	Dr. Igor Shinkar School of Computing Science GPC Chair
RE	MPCS Program Calendar and Name Change Request
DATE	November 22, 2022

~~This memo is to accompany the program calendar and name change request. The program name change request is from Master of Science in Professional Computer Science to Master of Science in Big Data.~~

Also, requests to change the course names of CMPT 732 and CMPT 733 have been submitted to coincide with the Program name change.

This is anticipated to appear in the Master of Science in Big Data program calendar for Fall 2023.

The rationale for the calendar change is to correspond to the two new related programs recently approved by the Ministry of Advanced Education. They are Master of Visual Computing and Master of Cybersecurity. Both programs are to be offered in Fall 2023.

Dr. Igor Shinkar
Graduate Chair, School of Computing Science

Graduate Course Change

Attach a separate document if more space is required.

Course Subject/Number CMPT 732	Units 6	Effective Term and Year Fall 2023
Course Title Professional Master's Program Lab I		
Rationale for Change: To correspond to the two new related programs approved by the Ministry of Advanced Education in November 2022. They are Master of Visual Computing and Master of Cybersecurity. Both programs are to be offered in Fall 2023.		

Proposed Changes (Check all that apply)

Course number
 Units*
 Title
 Description
 Prerequisite
 Other _____

Complete only the fields to be changed

FROM	TO
Course Subject/Number	Course Subject/Number
Units	Units*
Course Title Professional Master's Program Lab I	Course Title (max 100 characters) Big Data Lab I
Course Short Title PMP Lab I	Course Short Title (max 30 characters) Big Data Lab I
Description The first of two lab courses that are part of the professional master's program in the School of Computing Science. Aims to provide students with experience needed for a successful career in the information technology industry. Students will learn core concepts of artificial intelligence, applied data science, and system and network security. Specifically, this includes data analytics, advanced statistics and data visualization, deep learning, and anomaly detection.	Description The first of two lab courses that are part of the Master of Science in Big Data. This lab course aims to provide students with experience needed for a successful career in Big Data in the information technology industry. Students will earn core concepts of artificial intelligence and data engineering to work with large, or otherwise complex, data sources. Specifically, this includes statistics and data visualization, data pipeline engineering, and modelling. Many of the assignments will be completed on publicly available, massive data sets giving students hands-on experience with cloud computing, streaming data, and scalable computation - algorithms and software tools needed to master programming for big data.
Prerequisite	Prerequisite This course is only available to students enrolled in the Master of Science in Big Data program.
Other	Other



* Program requirements may need to be revised when course units are changed. Please review the calendar and submit any relevant program revisions resulting from this course change.

REMINDER: All course changes must be identified on a cover memo and confirmed as approved when submitted to FGSC and SGSC.

CONTACT PERSON

Department / School / Program Computing Science	Contact name Ali Mahdavi-Amiri	Contact email ali_mahdavi-amiri@sfu.ca
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DEPARTMENTAL APPROVAL

Department Graduate Program Committee Igor Shinkar	Signature 	Date Nov 25, 2022
Department Chair Mohamed Hefeeda	Signature 	Date Nov 25, 2022

FACULTY APPROVAL

Faculty Graduate Studies Committee (FGSC) Parvaneh Saeedi	Signature 	Date Dec 1, 2022
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SENATE GRADUATE STUDIES COMMITTEE APPROVAL

Senate Graduate Studies Committee (SGSC) Jeff Derksen	Signature 	Date 16/02/2023
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ADMINISTRATIVE SECTION (for DGS office only)

Course Attribute: _____
Course Attribute Value: _____
Instruction Mode: _____
Attendance Type: _____

If different from regular units:
Academic Progress Units: _____
Financial Aid Progress Units: _____

Graduate Course Change

Attach a separate document if more space is required.

Course Subject/Number CMPT 733	Units 6	Effective Term and Year Fall 2023
Course Title Professional Master's Program Lab II		
Rationale for Change: To correspond to the two new related programs approved by the Ministry of Advanced Education in November 2022. They are Master of Visual Computing and Master of Cybersecurity. Both programs are to be offered in Fall 2023.		

Proposed Changes (Check all that apply)

Course number
 Units*
 Title
 Description
 Prerequisite
 Other _____

Complete only the fields to be changed

FROM	TO
Course Subject/Number	Course Subject/Number
Units	Units*
Course Title Professional Master's Program Lab II	Course Title (max 100 characters) Big Data Lab II
Course Short Title PMP Lab II	Course Short Title (max 30 characters) Big Data Lab II
Description The second of two lab courses that are part of the professional master's program in the School of Computing Science. Aims to provide students with experience needed for a successful career in the information technology industry. Students will learn core concepts of artificial intelligence, applied data science, and system and network security. Specifically, this includes data analytics, advanced statistics and data visualization, deep learning, and anomaly detection.	Description The second of two lab courses that are part of the Master of Science in Big Data. This lab course aims to provide students with experience needed for a successful career in Big Data in the information technology industry. Students will learn core concepts of artificial intelligence and applied data science. Specifically, this includes data analytics, advanced statistics and data visualization, deep learning, and anomaly detection. Many of the assignments will be completed on publicly available, complex data sets giving students experience with algorithms and software tools needed to master programming for big data.
Prerequisite	Prerequisite
Other	Other



* Program requirements may need to be revised when course units are changed. Please review the calendar and submit any relevant program revisions resulting from this course change.

REMINDER: All course changes must be identified on a cover memo and confirmed as approved when submitted to FGSC and SGSC.

CONTACT PERSON

Department / School / Program Computing Science	Contact name Ali Mahdavi-Amiri	Contact email ali_mahdavi-amiri@sfu.ca
--	-----------------------------------	---

DEPARTMENTAL APPROVAL

Department Graduate Program Committee Igor Shinkar	Signature 	Date Nov 25, 2022
Department Chair Mohamed Hefeeda	Signature 	Date 25 Nov 2022

FACULTY APPROVAL

Faculty Graduate Studies Committee (FGSC) Parvaneh Saeedi	Signature 	Date Dec 1, 2022
--	--	---------------------

SENATE GRADUATE STUDIES COMMITTEE APPROVAL

Senate Graduate Studies Committee (SGSC) Jeff Derksen	Signature 	Date 16/02/2023
--	--	--------------------

ADMINISTRATIVE SECTION (for DGS office only)
 Course Attribute: _____
 Course Attribute Value: _____
 Instruction Mode: _____
 Attendance Type: _____

If different from regular units:
 Academic Progress Units: _____
 Financial Aid Progress Units: _____



MEMO

Faculty of Arts and Social Sciences
+1 778 782 4967
fassadgs@sfu.ca
sfu.ca/fass

Academic Quadrangle 6164
8888 University Drive
Burnaby, BC
Canada V5A 1S6

ATTENTION Jeff Derksen

FROM Kate Slaney, Associate Dean, Graduate Studies

RE POLS Calendar Changes

DATE January 3, 2023

PAGES 13

Dear Jeff,

By request of the Political Science Graduate Chair, I have approved the attached calendar changes for the Department of Political Science by delegated authority. This involves changing the number of units assigned to the final exam/project for the course-intensive and project options, deleting the extended essays option entirely and changing the number of required course credits for the thesis option.

Kind regards,

Kate Slaney

Kate Slaney
Associate Dean, Graduate and Postdoctoral Studies,
Faculty of Arts and Social Sciences
Professor, Department of Psychology

KS/hm

Cover Memo to SGSC

To: Senate Graduate Studies Committee
From: Eline de Rooij, Graduate Program Chair, Political Science
Re: Political Science MA ~~Program changes and~~ course changes
Date: 22 Dec 2022

The following ~~program changes and~~ course changes have been approved by the Department of Political Science and the Faculty of Arts and Social Sciences and are forwarded to the Senate Graduate Studies Committee for approval. These curriculum items should be effective for Fall 2023. Please include them on the next SGSC agenda.

Department of Political Science

The following changes are being proposed to better align the different MA Program Options in Political Science with the Program Requirements as specified in GGR 1.7.2, and to provide three clearly distinct options to our students, while ensuring that overall workload (total units) remains similar across all three options.

~~Program changes to MA in Political Science:~~

- ~~1. Eliminate the Extended Essays Option.~~
- ~~2. Change the capstone course (POL 892) units for the Project Option from 10 units to 6 units with a maximum word count of 10,000 for the project paper, and to be examined as per GGR 1.7.2c.~~
- ~~3. Change the field exam (POL 897) units for the Course intensive Option from 6 units to 2 units.~~
- ~~4. Change the number of required courses for the Thesis Option from five courses to four courses, with POL898 (MA Thesis) to be examined as per GGR 1.7.2a.~~
- ~~5. Add statement regarding the already existing B minimum requirement for required courses to the Calendar.~~

Course changes: POL 892, 897, 898

- Change the number of units for POL 892 (Research Project) and POL 897 (Field Exam in Major Areas of MA Concentration) from 10 to 6, and from 6 to 2, respectively.
- Add a prerequisite to POL898 (MA Thesis) stipulating that to enroll in POL898, students must have completed a minimum of four courses while in the MA Program, one of which must be POL800, and must have a minimum CGPA of 3.67.

A handwritten signature in black ink, appearing to read "The Raj", written in a cursive style.

Faculty Graduate Chair

Graduate Course Change

Attach a separate document if more space is required.

Course Subject/Number	POL892	Units	10	Effective Term and Year	Fall 2023
Course Title	Research Project				
Rationale for Change:	The capstone course (POL 892) units for the MA Project Option are being reduced from 10 units to 6 units to bring the Project Option in line with GGR 1.7.2c.				

Proposed Changes (Check all that apply)

Course number
 Units*
 Title
 Description
 Prerequisite
 Other _____

Complete only the fields to be changed

FROM	TO
Course Subject/Number	Course Subject/Number
Units	Units*
10	6
Course Title	Course Title (max 100 characters)
Course Short Title	Course Short Title (max 30 characters)
Description	Description
Graded on a satisfactory/unsatisfactory basis.	Graded on a satisfactory/unsatisfactory basis. Examined as per GGR 1.7.2c.
Prerequisite	Prerequisite
Other	Other



* Program requirements may need to be revised when course units are changed. Please review the calendar and submit any relevant program revisions resulting from this course change.

REMINDER: All course changes must be identified on a cover memo and confirmed as approved when submitted to FGSC and SGSC.

CONTACT PERSON

Department / School / Program Political Science	Contact name Eline de Rooij	Contact email eline_de_rooij@sfu.ca
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DEPARTMENTAL APPROVAL

Department Graduate Program Committee Eline de Rooij	Signature 	Date 22 Dec 2022
Department Chair Anil Hira	Signature 	Date 22 December 2022

FACULTY APPROVAL

Faculty Graduate Studies Committee (FGSC) Kate Slaney	Signature 	Date 16 January 2023
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SENATE GRADUATE STUDIES COMMITTEE APPROVAL

Senate Graduate Studies Committee (SGSC) Jeff Derksen	Signature 	Date 16/02/2023
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ADMINISTRATIVE SECTION (for DGS office only)

Course Attribute: _____
Course Attribute Value: _____
Instruction Mode: _____
Attendance Type: _____

If different from regular units:
Academic Progress Units: _____
Financial Aid Progress Units: _____

Graduate Course Change

Attach a separate document if more space is required.

Course Subject/Number	POL897	Units	6	Effective Term and Year	Fall 2023
Course Title	Field Exam in Major Areas of MA Concentration				
Rationale for Change:	The Field Exam (POL 897) units for the MA Course-intensive Option are being reduced from 6 units to 2 units to to better reflect the workload involved in the final examination for the course intensive MA, which is only an add-on to a course a student is already taking, and to reflect differences in workload between a Research Project (POL892) and a Field Exam (POL897).				

Proposed Changes (Check all that apply)

Course number
 Units*
 Title
 Description
 Prerequisite
 Other _____

Complete only the fields to be changed

FROM	TO
Course Subject/Number	Course Subject/Number
Units 6	Units* 2
Course Title	Course Title (max 100 characters)
Course Short Title	Course Short Title (max 30 characters)
Description	Description
Prerequisite	Prerequisite
Other	Other



* Program requirements may need to be revised when course units are changed. Please review the calendar and submit any relevant program revisions resulting from this course change.

REMINDER: All course changes must be identified on a cover memo and confirmed as approved when submitted to FGSC and SGSC.

CONTACT PERSON

Department / School / Program Political Science	Contact name Eline de Rooij	Contact email eline_de_rooij@sfu.ca
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DEPARTMENTAL APPROVAL

Department Graduate Program Committee Eline de Rooij	Signature 	Date 22 Dec 2022
Department Chair Anil Hira	Signature 	Date 22 December 2022

FACULTY APPROVAL

Faculty Graduate Studies Committee (FGSC) Kate Slaney	Signature 	Date 16 January 2023
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SENATE GRADUATE STUDIES COMMITTEE APPROVAL

Senate Graduate Studies Committee (SGSC) Jeff Derksen	Signature 	Date 16/02/2023
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ADMINISTRATIVE SECTION (for DGS office only)

Course Attribute: _____
Course Attribute Value: _____
Instruction Mode: _____
Attendance Type: _____

If different from regular units:
Academic Progress Units: _____
Financial Aid Progress Units: _____

Graduate Course Change

Attach a separate document if more space is required.

Course Subject/Number	POL898	Units	18	Effective Term and Year	Fall 2023
Course Title	MA Thesis				
Rationale for Change:	<p>The number of required courses for the MA Thesis Option is being reduced from 5 to 4 (see Calendar entry changes form for rationale). As the Thesis Option is meant for students who want to delve more deeply into a particular research topic and further hone their research skills, the Department wants to convey that this option is for those students with proven strong academic skills and should not be viewed as an "easy option" due to the fewer number of courses required compared to the MA Project and Course-intensive Options.</p>				

Proposed Changes (Check all that apply)

Course number
 Units*
 Title
 Description
 Prerequisite
 Other _____

Complete only the fields to be changed

FROM	TO
Course Subject/Number	Course Subject/Number
Units	Units*
Course Title	Course Title (max 100 characters)
Course Short Title	Course Short Title (max 30 characters)
Description	Description
Prerequisite	Prerequisite <small>To enroll in POL898, students must have completed a minimum of four courses while in the MA Program, one of which must be POL800, and must have a minimum CGPA of 3.67.</small>
Other	Other



* Program requirements may need to be revised when course units are changed. Please review the calendar and submit any relevant program revisions resulting from this course change.

REMINDER: All course changes must be identified on a cover memo and confirmed as approved when submitted to FGSC and SGSC.

CONTACT PERSON

Department / School / Program Political Science	Contact name Eline de Rooij	Contact email eline_de_rooij@sfu.ca
--	--------------------------------	--

DEPARTMENTAL APPROVAL

Department Graduate Program Committee Eline de Rooij	Signature 	Date 22 Dec 2022
Department Chair Anil Hira	Signature 	Date 22 December 2022

FACULTY APPROVAL

Faculty Graduate Studies Committee (FGSC) Kate Slaney	Signature 	Date 16 January 2023
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SENATE GRADUATE STUDIES COMMITTEE APPROVAL

Senate Graduate Studies Committee (SGSC) Jeff Derksen	Signature 	Date 16/02/2023
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ADMINISTRATIVE SECTION (for DGS office only)

Course Attribute: _____
Course Attribute Value: _____
Instruction Mode: _____
Attendance Type: _____

If different from regular units:
Academic Progress Units: _____
Financial Aid Progress Units: _____



MEMO

**Faculty of
Science**

ATTENTION: Senate Graduate Studies Committee

FROM: Vance Williams, Associate Dean Graduate Studies,
Faculty of Science

RE: Proposed Course Changes ~~and Additions~~ for Fall 2023,
Faculty of Science

DATE: January 11, 2023

Dear SGSC,

The following curriculum changes have been approved by the Faculty of Science and are being submitted to the Senate Graduate Studies committee for approval.

~~The following course deletions have been proposed:~~

~~MBB 726 Immune System I~~

~~MBB 728 Microbial Pathogenesis~~

The following *course changes* have been proposed:

EASC 810 MSc Proposal

MBB 669 Special Topics in Genomics

MBB 727 Immune System II

ONC 510 Seminar in Oncology

~~The following new courses are being proposed:~~

~~EASC 615 Advanced Engineering Geology~~

~~MBB 764 From Genome to Systems~~

~~BISC 622 Environmental Microbiology~~

Enclosed are the documents in support of these changes.

Sincerely,

Vance Williams

Associate Dean Graduate Studies, Faculty of Science

To: Faculty Graduate Studies Committee
From: Gwenn Flowers, EASC Graduate Program Chair
Re: ~~New course proposal: EASC 629~~; Course change: EASC 610
Date: 28 November 2022

The following ~~new course proposal for EASC 629 and~~ changes to EASC 610 have been approved by the Department of Earth Sciences and are forwarded to the Faculty Graduate Studies Committee for approval. These curriculum items should be effective for Fall 2023.

~~This new course proposal (EASC 629) arises from the appointment of Dr. Sergio Sepulveda in the Department of Earth Sciences.~~

Changes to EASC 610 (title and description) accompany the broadening of course content and shift in focus, and parallel changes to EASC 420.



Gwenn Flowers, EASC Graduate Program Chair

Graduate Course Change

Attach a separate document if more space is required.

Course Subject/Number	EASC 810	Units	0	Effective Term and Year	Fall 2023
Course Title	MSc Thesis Proposal				
Rationale for Change:	Response to departmental review. Review panel recommended this 0-unit course be made 3 units in order for MSc students to more readily fulfill their 12-unit coursework requirements, with the goal of reducing MSc finishing times. No associated program changes are required.				

Proposed Changes (Check all that apply)

Course number
 Units*
 Title
 Description
 Prerequisite
 Other _____

Complete only the fields to be changed

FROM	TO
Course Subject/Number	Course Subject/Number
EASC 810	EASC 810
Units	Units*
0	3
Course Title	Course Title (max 100 characters)
Course Short Title	Course Short Title (max 30 characters)
N/A	N/A
Description	Description
Prerequisite	Prerequisite
Other	Other
N/A	N/A



* Program requirements may need to be revised when course units are changed. Please review the calendar and submit any relevant program revisions resulting from this course change.

REMINDER: All course changes must be identified on a cover memo and confirmed as approved when submitted to FGSC and SGSC.


CONTACT PERSON

Department / School / Program Earth Sciences	Contact name Gwenn Flowers	Contact email gflowers@sfu.ca
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DEPARTMENTAL APPROVAL

Department Graduate Program Committee Gwenn Flowers	Signature 	Date 18 Dec 2022
Department Chair Glyn Williams-Jones	Signature 	Date 18 Dec 2022

FACULTY APPROVAL

Faculty Graduate Studies Committee (FGSC) Vance Williams	Signature 	Date January 16, 2023
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SENATE GRADUATE STUDIES COMMITTEE APPROVAL

Senate Graduate Studies Committee (SGSC) Jeff Derksen	Signature 	Date 16/02/2023
--	---	--------------------

ADMINISTRATIVE SECTION (for DGS office only)

Course Attribute: _____
Course Attribute Value: _____
Instruction Mode: _____
Attendance Type: _____

If different from regular units:
Academic Progress Units: _____
Financial Aid Progress Units: _____

MOLECULAR BIOLOGY AND BIOCHEMISTRY

Memorandum

To: Chair, Faculty Graduate Studies Committee,
Faculty of Science

Re: **Graduate Course Changes:** MBB 669,
MBB 727 & ONC 510;

~~**Course deletions:** MBB 726 & MBB 728;~~

~~**New Graduate Course:** MBB 764~~

From: Christopher Beh, MBB Graduate
Program Chair

Date: May 18, 2022

We are requesting approval of the following:

1. GRADUATE COURSE CHANGES

- a. **MBB 669: Special Topics in Genomics** – course number, title, description & prerequisites (form attached)
- b. **MBB 727: Immune System II: Immune Responses in Health and Disease** – title & prerequisites (form attached)
- c. **ONC 510: Seminars in Oncology** – description (form attached)

~~2. GRADUATE COURSE DELETIONS~~

- ~~a. **MBB 726: The Immune System I: Basis of Innate and Adaptive Immunity**
(form attached)~~
- ~~b. **MBB 728: Microbial Pathogenesis** (form attached)~~

~~3. NEW GRADUATE COURSE PROPOSALS~~

- ~~a. **MBB 764: From Genome to System** (form and outline attached)~~

We were hoping these changes can be submitted to Grad Studies for their next deadline of June 8, 2022 at noon.

Sincerely,



Dr. C.T. Beh

Graduate Course Change

Attach a separate document if more space is required.

Course Subject/Number MBB 669	Units 3	Effective Term and Year Fall 2023
Course Title Special Topics in Genomics		
Rationale for Change: This course will typically be combined with MBB 460. Changing the course number, title and description to reflect the MBB 460 course number, title and description.		

Proposed Changes (Check all that apply)

Course number
 Units*
 Title
 Description
 Prerequisite
 Other Equivalent Statement

Complete only the fields to be changed

FROM	TO
Course Subject/Number MBB 669	Course Subject/Number MBB 760
Units	Units*
Course Title Special Topics in Genomics	Course Title (max 100 characters) Selected Topics in Bioinformatics and Genomics
Course Short Title Special Topics in Genomics	Course Short Title (max 30 characters) ST: Bioinformatics & Genomics
Description Consideration of recent research literature on contemporary topics in genomics.	Description The topics in this course will vary from term to term, depending on faculty availability and student interest. Students may repeat this course for further credit under a different topic.
Prerequisite Prerequisite: MBB 435 or 835.	Prerequisite Will vary depending on the topic.
Other	Other Students with credit for MBB 669 under the same topic may not take this course for further credit.



* Program requirements may need to be revised when course units are changed. Please review the calendar and submit any relevant program revisions resulting from this course change.

REMINDER: All course changes must be identified on a cover memo and confirmed as approved when submitted to FGSC and SGSC.


CONTACT PERSON

Department / School / Program MBB	Contact name Mimi Fourie	Contact email mbb@sfu.ca
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DEPARTMENTAL APPROVAL

Department Graduate Program Committee Christopher Beh	Signature 	Date April 8, 2022
Department Chair Lisa Craig	Signature 	Date May 10, 2022

FACULTY APPROVAL

Faculty Graduate Studies Committee (FGSC) Vance Williams	Signature 	Date January 17, 2023
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SENATE GRADUATE STUDIES COMMITTEE APPROVAL

Senate Graduate Studies Committee (SGSC) Jeff Derksen	Signature 	Date 16/02/2023
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<p>ADMINISTRATIVE SECTION (for DGS office only) Course Attribute: _____ Course Attribute Value: _____ Instruction Mode: _____ Attendance Type: _____</p>	<p>If different from regular units: Academic Progress Units: _____ Financial Aid Progress Units: _____</p>
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Graduate Course Change

Attach a separate document if more space is required.

Course Subject/Number MBB 727	Units 3	Effective Term and Year Fall 2023
Course Title Immune System II: Immune Responses in Health and Disease		
Rationale for Change: To reflect name change of MBB 427, which is usually combined with MBB 727. And prerequisite change because of the new MBB/HSCI 326 course requirement.		

Proposed Changes (Check all that apply)

Course number
 Units*
 Title
 Description
 Prerequisite
 Other _____

Complete only the fields to be changed

FROM	TO
Course Subject/Number	Course Subject/Number
Units	Units*
Course Title Immune System II: Immune Responses in Health and Disease	Course Title (max 100 characters) Immune Responses in Health and Disease
Course Short Title Immune System II	Course Short Title (max 30 characters) Immune Resp. in Hlth & Disease
Description	Description
Prerequisite MBB 426 or HSCI 426 or permission of the instructor.	Prerequisite One of MBB 326, HSCI 326, MBB 426 or HSCI 426, or permission of the instructor.
Other	Other



* Program requirements may need to be revised when course units are changed. Please review the calendar and submit any relevant program revisions resulting from this course change.

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CONTACT PERSON

Department / School / Program MBB	Contact name Mimi Fourie	Contact email mbb@sfu.ca
--------------------------------------	-----------------------------	-----------------------------

DEPARTMENTAL APPROVAL

Department Graduate Program Committee Christopher Beh	Signature 	Date April 8, 2022
Department Chair Lisa Craig	Signature 	Date May 10, 2022

FACULTY APPROVAL

Faculty Graduate Studies Committee (FGSC) Vance Williams	Signature 	Date January 15, 2023
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SENATE GRADUATE STUDIES COMMITTEE APPROVAL

Senate Graduate Studies Committee (SGSC) Jeff Derksen	Signature 	Date 16/02/2023
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<p>ADMINISTRATIVE SECTION (for DGS office only)</p> <p>Course Attribute: _____</p> <p>Course Attribute Value: _____</p> <p>Instruction Mode: _____</p> <p>Attendance Type: _____</p>	<p>If different from regular units:</p> <p>Academic Progress Units: _____</p> <p>Financial Aid Progress Units: _____</p>
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Graduate Course Change

Attach a separate document if more space is required.

Course Subject/Number ONC 510	Units 3	Effective Term and Year Fall 2023
Course Title Seminars in Oncology		
Rationale for Change: To better include SFU students and the occasional UVic or UNBC student		

Proposed Changes (Check all that apply)

Course number
 Units*
 Title
 Description
 Prerequisite
 Other _____

Complete only the fields to be changed

FROM	TO
Course Subject/Number	Course Subject/Number
Units	Units*
Course Title	Course Title (max 100 characters)
Course Short Title	Course Short Title (max 30 characters)
Description This course features cancer-related research by trainees and faculty at the BC Cancer Research Centre. Topics include recent developments in the molecular basis of oncogenesis, cancer bioinformatics, cancer epidemiology, cancer treatment and other clinical studies, and ethical issues. Students are required to present seminars on their research. Students undertaking the Interdisciplinary Oncology Graduate Specialization must enroll in this course throughout their entire time as a graduate student. This course can be taken twice, if a student does the Interdisciplinary Oncology Graduate Specialization (IOGS) as an MSc student, and also does it as a PhD student. Students who transfer from MSc to PhD would only take it once. Graded on a satisfactory and unsatisfactory basis	Description Features cancer-related research by trainees and faculty located at the BC Cancer Research Centre and other sites. Topics include recent developments in the molecular basis of oncogenesis, cancer bioinformatics, cancer epidemiology, cancer treatment and other clinical studies, and ethical issues. Students are required to present seminars on their research. Students undertaking the Interdisciplinary Oncology Graduate Specialization must enroll in this course throughout their entire time as a graduate student. This course can be taken twice, if a student does the Interdisciplinary Oncology Graduate Specialization (IOGS) as an MSc student, and also does it as a PhD student. Students who transfer from MSc to PhD would only take it once. Graded on a satisfactory and unsatisfactory basis
Prerequisite	Prerequisite
Other	Other



* Program requirements may need to be revised when course units are changed. Please review the calendar and submit any relevant program revisions resulting from this course change.

REMINDER: All course changes must be identified on a cover memo and confirmed as approved when submitted to FGSC and SGSC.


CONTACT PERSON

Department / School / Program MBB	Contact name Mimi Fourie	Contact email mbb@sfu.ca
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DEPARTMENTAL APPROVAL

Department Graduate Program Committee Christopher Beh	Signature 	Date April 8, 2022
Department Chair Lisa Craig	Signature 	Date May 10, 2022

FACULTY APPROVAL

Faculty Graduate Studies Committee (FGSC) Vance Williams	Signature 	Date January 15, 2023
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SENATE GRADUATE STUDIES COMMITTEE APPROVAL

Senate Graduate Studies Committee (SGSC) Jeff Derksen	Signature 	Date 16/02/2023
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ADMINISTRATIVE SECTION (for DGS office only)

Course Attribute: _____
Course Attribute Value: _____
Instruction Mode: _____
Attendance Type: _____

If different from regular units:
Academic Progress Units: _____
Financial Aid Progress Units: _____