

MEMO

Dean of Graduate Studies

#### STREET ADDRESS

Maggie Benston Student Services Centre 1100 Burnaby BC V5A 1S6 Canada

#### MAILING ADDRESS

8888 University Drive Burnaby BC  $V_5A_1S6$  Canada

TO Senate

TEL

FROM Wade Parkhouse, Dean, Graduate Studies

RE Faculty of Science

[GS2012.21]

CC Peter Ruben

#### For information:

Acting under delegated authority at its meeting of 16 April 2012, SGSC approved the following curriculum revisions:

### Effective Date is January 2013

DATE 23 April 2012

### **Faculty of Science**

[GS2012.21]

Department of Molecular Biology and Biochemistry

i) Minor course changes:

Change of pre-requisites for MBB 505-3

Change of pre-requisites for MBB 659-3

Change of pre-requisites for MBB 679-3

Change of pre-requisites for MBB 727-3

Senators wishing to consult a more detailed report of curriculum revisions may do so by going to Docushare: <a href="https://docushare.sfu.ca/dsweb/View/Collection-12682">https://docushare.sfu.ca/dsweb/View/Collection-12682</a>
If you are unable to access the information, please call <a href="mailto:778-782-3168">778-782-3168</a> or email <a href="mailto:shelley\_gair@sfu.ca">shelley\_gair@sfu.ca</a>.



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DEAN OF GRADUATE STUDIES OFFICE

TO:

W. Parkhouse

Dean of Graduate Studies

FROM: P. Ruben,

Associate Dean

Faculty of Science Graduate Studies

Committee

RE: Prerequisite Changes - MBB 659,

MBB 505, MBB 679 and MBB 727

**DATE:** March 12, 2012

The following have been approved by the Faculty of Science and are forwarded for approval by the Senate Graduate Studies Committee. Please include these on the next SGSC agenda.

## Molecular Biology & Biochemistry

Prerequisite Changes – MBB 659, MBB 505, MBB 679 and MBB 727

P. Ruben

Enclosure

c. C. Cupples

## MOLECULAR BIOLOGY AND BIOCHEMISTRY Memorandum

To: Chair, Faculty Graduate Studies Committee,

**Faculty of Science** 

From: Edgar Young, Chair, MBB Graduate

652005.46

**Studies Committee (Acting)** 

**Re:** Graduate Course Minor Changes

Date: February 24, 2012

We are requesting minor changes for the following courses:

1. Approval was given for course number changes of MBB 841 and MBB 842 to MBB 741 and MBB 742 in 2005 (Senate Committee meeting:

http://www.sfu.ca/content/dam/sfu/dean-gradstudies/admin/SGSC/2005/SGSCmin-

20051212 .pdf

At that time changes were not requested to change MBB 841 and 842 to MBB 741 and 742 as prerequisites for MBB 505, MBB 659 and MBB 679.

3 Graduate Course Minor Change forms to change this now are attached.

2. We are requesting minor clarifying wording for the calendar regarding prerequisites for MBB 727.

The Graduate Course Minor Change form is attached.

Sincerely,

Chair, MBB Graduate Studies Committee (Acting)



Senate graduate studies committee name

### SIMON FRASER UNIVERSITY DEAN OF GRADUATE STUDIES

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DEAN OF GRADUATE STUDIES OFFICE

## Graduate Course Minor Change Form

This form is for an SFU department or program to request a minor change to an existing graduate course. After approval and signature by the faculty graduate studies committee, this form should be forwarded to the Dean of Graduate Studies for approval by the Senate Graduate Studies Committee (SGSC). SGSC will forward the approval to Senate for information.

DEPARTMENT			
Department / School / Program Contact name	Contact email		
Molecular Biology & Biochemistry Dr. Edgar Youn			
Please revise the following elements of the indicated graduate cou ☐ Catalogue number ☐ Units ☐ Title ☐ Description ☑ Of	ther: Prerequisities		
CURRENT COURSE  Please complete only the fields to be changed.	REVISED COURSE  Please complete only the fields to be changed.		
Program (eg. LBST) Number (eg. 810) Units (eg. 4) 505 3	Program (eg. LBST)         Number (eg. 810)         Units (eg. 4)           MBB         505         3		
Course title (max 80 characters)	Course title (max 80 characters)		
Problem Based Learning in Bioinformatics	Problem Based Learning in Bioinformatics		
Short title (appears on transcripts, max 25 characters)	Short title (appears on transcripts, max 25 characters)		
Course description for SFU Calendar see attached	Course description for SFU Calendar		
Available course components	Available course components		
vulnerable adults (If the "Yes" box is checked, all students and instructors will require criminal record checks)	vulnerable adults (If the "Yes" box is checked, all students and instructors will require criminal record checks)		
☐ Yes ☐ No	☐ Yes ☐ No		
Grading basis ☐ Graded ☐ Satisfactory / Unsatisfactory ☐ In Progress / Complete ☐	Grading basis ☐ Graded ☐ Satisfactory / Unsatisfactory ☐ In Progress / Complete ☐		
Prerequisites (if any)	Prerequisites (if any) See attacked		
MBB 841 or equivalent bioinformatics course (undergraduate or graduate). This course is identical to CMPT 505 and students cannot take both or	MBB 741 or equivalent bioinformatics course (undergraduate or graduals). This course is identical to CMPT 505 and students cannot take both		
This is combined with an undergrad course. 🔲 Yes 🔲 No	This is combined with an undergrad course. ☐ Yes ☐ No		
Course number and units:	Course number and units:		
Additional course requirements for graduate students	Additional course requirements for graduate students		
APPROVALS Dr. Peter Ruben	- 3 April 2012		
Faculty graduate studies committee name  Signature  Signature  Senate graduate studies committee name  Signature	Date  Apr 24/17  Date		

## MBB 505 Prerequisites:

MBB 741 or equivalent bioinformatics course (undergraduate or graduate). This course is identical to CMPT 505 and students cannot take both courses for credit.





DEPARTMENT

# SIMON FRASER UNIVERSITY DEAN OF GRADUATE STUDIES

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DEAN OF GRADUATE STUBIES OFFICE

## **Graduate Course Minor Change Form**

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Department / School / Pri Molecular Biology &		act name		Contact email		
				youngec@sfu.ca		
Please revise the following Catalogue number	JUnits □ Title □ Do	escription 🖸 Oth	er Prerequi	sities		
CURRENT Please complete only the		l.	REVISE Please complete or	D COURSE nly the fields to be change	·d.	
Program (eg. LBST) MBB	Number (eg. 810) 659	Units (eg. 4)	Program (eg. LBST) MBB	Number (eg. 810) 659	Units (eg. 4)	
Special Topi		rmatics	Special Topics in Bioinformatics			
Short title (appears on tr	anscripts, max 25 charac	ters)	Short title (appears	on transcripts, max 25 chara	cters)	
Course description for SI	FU Calendar 🔲 see att	ached	Course description for SFU Calendar  see attached			
Available course components					òeminar ————————————————————————————————————	
Practicum work done in this class will involve children or vulnerable adults (If the "Yes" box is checked, all students and instructors will require criminal record checks)			Practicum work done in this class will involve children or vulnerable adults (If the "Yes" box is checked, all students and instructors will require criminal record checks)  Yes  No			
Grading basis Grade		atisfactory	Grading basis G	Graded Satisfactory / Un	satisfactory	
Prerequisites (if any) MBB 441 or 84	1; or CMPT 34	1 or 881	Prerequisites (if any MBB 441 or	741; or CMPT 34	41 or 881	
This is combined with an	undergrad course.	res □No	This is combined wit	h an undergrad course. $\ \square$	Yes No	
Course number and units:			Course number and units:			
Additional course require	ments for graduate stud	ents	Additional course re	quirements for graduate stu	dents	
Dr. Peter Ruben Faculty graduate studies of Senate graduate studies of Sena	committee name Sig	nature	Donne	BAPRIL POIL Date  Apr 24/12 Date	,	



# SIMON FRASER UNIVERSITY DEAN OF GRADUATE STUDIES

APR 0 4 2012

DEAN OF GRADUATE STUDIES OFFICE

# Graduate Course Minor Change Form

Date

Apr 24/12

Signature

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DEPARTME	ENT				
Department / School / Pr		act name		Contact email	
Molecular Biology an				youngec@sfu.ca	
Please revise the following Catalogue number		ndicated gradua Description	te course: Prereq	uisite course nur	nber
CURRENT O	COURCE		REVISE	D COLIDEE	
Please complete only th		ł.		nly the fields to be changed	d.
Program (eg. ECON) MBB	Number (eg. 810) 679	Units (eg. 4)	Program (eg. ECON)	Number (eg. 810)	Units (eg. 4)
Course title (max 80 char		a-	Course title (max 80	characters)	
a					
Short title (appears on tra	anscripts, max 25 charac	ters)	Short title (appears of	on transcripts, max 25 charac	 cters)
	, , , , , , , , , , , , , , , , , , ,		,,,		
Course description for SF	U Calendar 🔲 see atta	ached	Course description f	or SFU Calendar 🛮 see att	ached
	E				
Available course compone	ents DLecture DS	eminar	Available course com	pponents DLecture DS	eminar
☐ Laboratory ☐ Practic					
Grading basis ☐ Grade ☐ In Progress / Complete		atisfactory	Grading basis □ G □ In Progress / Com		atisfactory
Prerequisites (if any)			Prerequisites (if any)		
MBB 442 or 842			MBB 442 or 742	2	
This is combined with an	undergrad course. 🔲 Y	′es □No	This is combined with	n an undergrad course. 🔲 🗅	Yes □ No
Course number and units	!		Course number and	units:	
Additional course require	ments for graduate stude	ents	Additional course rec	uirements for graduate stud	ents
		2			
Foculty and	ata studios -	ommittoo =	ramo (D. Bubor	) Signatu	ire
Date April	ate studies c	OMMILTTEE D	iame (r. Kubei	n) Signatu	. J. C
	te studies co	mmittee na	ame		



Senate graduate studies committee name

Signature

# SIMON FRASER UNIVERSITY DEAN OF GRADUATE STUDIES

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DEAN OF GRADUATE STUDIES OFFICE

# **Graduate Course Minor Change Form**

This form is for an SFU department or program to request a minor change to an existing graduate course. After approval and signature by the faculty graduate studies committee, this form should be forwarded to the Dean of Graduate Studies for approval by the Senate Graduate Studies Committee (SGSC). SGSC will forward the approval to Senate for information.

DEPARTMEN	i					
Department / School / Progr Molecular Biology & B		<sup>act name</sup> Edgar Your	ng	Contact email youngec@sfu.ca		
Please revise the following e Catalogue number U	elements of the indica nits	ted graduate conscription 🖸 0	ther: Prerequ	isities		
CURRENT CO Please complete only the f		l.	Please complete of	ED COURSE only the fields to be changed	d.	
3	umber (eg. 810) 27	Units (eg. 4)	Program (eg. LBST MBB	Number (eg. 810) 727	Units (eg. 4)	
Course title (max 80 charact	ers)	•	Course title (max 80 characters)			
Immune System II: Immune	Responses in Health	n and Disease	Immune System II	Immune Responses in Healt	th and Disease	
Short title (appears on trans	cripts, max 25 charac	ters)	Short title (appears	on transcripts, max 25 chara	cters)	
Course description for SFU (	Calendar 🗖 see atta	ached	Course description	for SFU Calendar	tached	
Available course component  Laboratory Practicum	n Online 🗆		Available course co	Practicum  Online	Seminar	
Practicum work done in this vulnerable adults (If the "Yes instructors will require crim	" box is checked, all s		vulnerable adults ( instructors will req	ne in this class will involve chi If the "Yes" box is checked, all uire criminal record checks)		
Yes No			Yes No			
Grading basis Graded Satisfactory / Unsatisfactory  In Progress / Complete			Grading basis ☐ Graded ☐ Satisfactory / Unsatisfactory ☐ In Progress / Complete ☐			
Prerequisites (if any) MBB HSCI 426 or permission from instructor.			Prerequisites (if any)  5ee offaction  MBB 426 or HSCI 426 or permission of the instructor. Students wicredit for MBB 427, HSCI 427, HSCI 727 may not complete MBB 727 for circles.			
This is combined with an uno	dergrad course.	Yes □ No	This is combined w	ith an undergrad course.	Yes No	
Course number and units:			Course number and units:			
Additional course requireme	ents for graduate stud	ents	Additional course r	equirements for graduate stud	dents	
APPROVALS  Dr. Peter Ruben  Faculty graduate studies com	mittee name Sign	nature		3Apriloi	2	

## **MBB 727 Prerequisites:**

MBB 426 or HSCI 426 or permission of the instructor. Students w/credit for MBB 427, HSCI 427, HSCI 727 may not complete MBB 727 for credit.

### MBB 505-3 Problem Based Learning in Bioinformatics

The problem-based learning course will develop students' ability to exchange ideas in small groups focused on real but simplified problems in bioinformatics. Problems will be carefully selected to cover multiple areas of bioinformatics research. This is an advanced bioinformatics course that assumes the student has previous bioinformatics training Prerequisite: MBB 841 or equivalent bioinformatics course (undergraduate or graduate). This course is identical to CMPT 505 and students can not take both courses for credit.

**MBB 659-3 Special Topics in Bioinformatics** 

Consideration of recent research literature on contemporary topics in bioinformatics. Prerequisites: MBB 441 or 841; or CMPT 341 or 881.

MBB 679-3 Special Topics in Proteomics

Consideration of recent research literature on contemporary topics in proteomics. Prerequisites: MBB 442 or 842.

MBB 727-3 Immune System II: Immune Responses in Health and Disease

The immunologic response to bacterial, viral and parasitic infections, immunological diseases, such as autoimmune diseases, immunodeficiency, hypersensitivity reactions (including asthma and allergy) and transplantation-rejection reactions. Immunotherapeutics and vaccine development Prerequisite: MBB HSCI 426 or permission of the instructor.