

OFFICE OF THE ASSOCIATE VICE-PRESIDENT, ACADEMIC

8888 University Drive, TEL: 778.782.4636

avpcio@sfu.ca

Burnaby, BC Canada V5A 1S6 FAX: 778.782.5876

www.sfu.ca/vpacademic

MEMORANDUM

ATTENTION

Senate

DATE

August 7, 2016

FROM

Mark Lechner, Acting Chair

PAGES

1/1

Senate Committee on John John

Undergraduate Studies

RE:

Faculty of Science

For information:

Acting under delegated authority at its meeting of August 6, 2016 SCUS approved the following curriculum revisions effective Summer 2017.

1. Department of Statistics and Actuarial Science (SCUS 16-22d)

- (i) New Course Proposal: STAT 452-3, Introduction to Statistical Learning and Prediction and Q designation (Fall 2017)
- 2. Department of Molecular Biology and Biochemistry (SCUS 16-27)
 - (i) New Course Proposal: MBB 200-3, Selected Topics in Molecular Biology and Biochemistry
 - (ii) Prerequisite change for MBB 402



TASC II 9900

8888 University Drive,

Burnaby, BC Canada V5A 1S6 TEL 778.782.4590

FAX 778.782.3424

sfu.ca/science

MEMORANDUM

ATTENTION

Senate Committee for

DATE

July 22, 2016

FROM

Carl Lowenberger, Chair, Science

Undergraduate Studies, SFU

UCC

RE:

Submission of Undergraduate Curriculum Business from the Faculty of

Science for inclusion on the Agenda of the August 2016 SCUS Meeting

STATISTICS AND ACTUARIAL SCIENCE

Motion 1: STAT 452 - New Course proposal - removal of 'introductory' (originally at July SCUS)

MOLECULAR BIOLOGY AND BIOCHEMISTRY (MBB)

Motion 1: MBB 200 - New Special Topics Course proposal

Motion 2: MBB 402 - Prerequisite Change





SENATE COMMITTEE ON UNDERGRADUATE STUDIES

NEW COURSE PROPOSAL

1 OF 4 PAGES

COURSE SUBJECT	STAT		NUMBER	452			
COURSE TITLE LONG — for Calenda	r/schedule, no more than 100	characters including	spaces and pu	inctuation			
Statistical Lear	ning and Prediction			···			
AND SHORT — for enrolln	nent/transcript, no more than	30 characters includi	ng spaces and	punctuation			
Stat Learning a	and Prediction						
CAMPUS where cours	e will be normally taught:	Burnaby	Surrey [Vancouver	Great North	ern Way	Off campus
COURSE DESCRIPTION	ON (FOR CALENDAR). 50 V	ORDS MAXIMUM.	ATTACH A C	OURSE OUTLI	NE TO THIS PRO	POSAL	
Topics include	to the essential modereview of linear regressification methology	ession, classifi	cation, st	tatistical er	ror measuren		
REPEAT FOR CREDIT	YES NO H	ow many times?	With	hin a term?	YES NO		
committed for necessary	ES roved (S.93-11) that no new concept place of the second of the secon	course proposal must	be accompan	e until funding l ied by a library :	nas been report and,		
Library report status, se	e lib.sfu.ca/collections/course	-assessments					
	RODUCTION OF THIS COU , please use the provided text l		document				
analysis in busi programs in sta would cover, ar need. The dep topics. Howeve	ing and prediction mass, industry, and untistics. There is increased the department has artment currently haser, the level of instructions can be expense.	research. The easing demand as been receiv s a graduate-le ction in Stat 85	y are also d for grad ing reque evel cour 2 is such	o important luands with ests to mou se, Stat 85 i that only t	components the skilled the nt a course the that covers	of many nat this c nat addre closely	research course esses this
	NROLLMENT INFORMATIO would first be offered (e.g. FA	4)17				
Term(s) in which cour	se will typically be offered	Spring Sum	ımer 🔳 I	Fall			
Will this be a required o	or elective course in the curric	ulum? Requ	ired 🔳 El	ective			
What is the probable en	rollment when offered? Esti	mate: 40					





SENATE COMMITTEE ON UNDERGRADUATE STUDIES

UNITS
Indicate number of units: 3
Indicate no. of contact hours for: 3 Lecture Seminar 1 Tutorial Lab Other – please explain
OTHER

FACULTY Which of your present CFL faculty have the expertise to offer this course?
Bornn, Campbell, Loughin, Bingham, and likely others
1_ 1 12 20
WQB DESIGNATION (attach approval from Curriculum Office)
Q
Talge sign of
PREREQUISITE AND / OR COREQUISITE
Stat 302 or Stat 305 or Stat 350 or equivalent.
EQUIVALENT COURSES
Does this course replicate the content of a previously-approved course to such an extent that students should not receive credit for both courses?
No
COURSE - LEVEL EDUCATIONAL GOALS (OPTIONAL)
FEES
Are there any proposed student fees associated with this course other than tuition fees? YES NO





RESOURCES

List any outstanding resource issues to be addressed prior to implementation: space, laboratory equipment, etc:						
None						
OTHER IMPLICATIONS						
Final Exam required: YES NO						
Criminal Record Check required: YES NO						
OVERLAP CHECK						
Checking for overlap is the responsibility of the Associate Dean.						
Each new course proposal must have confirmation of an overlap check completed prior to submission to the Faculty Curriculum Committee.						
Name of Originator						
Tom Loughin						



NEW COURSE PROPOSAL 4 OF 4 PAGES

RATIONALE

More space if needed.

tat 452 would be taught at a more introductory level with greater emphasis on application and iterpretation. This course would be co-listed as Stat 652 for access by graduate students in on-mathematical disciplines, who would be poorly served by Stat 852.							



University Curriculum and Institutional Liaison Office of the Vice-President, Academic

8888 University Drive, Burnaby, BC Canada V5A 1S6

TEL: 778.782.3312 FAX: 778.782.5876

slrhodes@sfu.ca www.sfu.ca/ugcr

MEMORANDUM -

ATTENTION

Carl Lowenberger, Associate Dean,

DATE

May 16, 2016

Faculty of Science

Susan Rhodes, Director

PAGES

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University Curriculum & Institutional Liaison

RE:

FROM

STAT Q designation approval

The University Curriculum Office has approved **Q** designation for the following proposed new Faculty of Science course, effective Fall 2017 (1177):

STAT 452-3 Introduction to Statistical Learning and Prediction

Please forward this memo to your Faculty UCC and then on to SCUS and Senate for further approval

cc: Robin Insley, Undergraduate Curriculum Chair, Department of Statistics and Actuarial Science



NEW COURSE PROPOSAL 1 OF 3 PAGES

NUMBER 200 COURSE SUBJECT | MBB COURSE TITLE LONG — for Calendar/schedule, no more than 100 characters including spaces and punctuation Selected Topics in Molecular Biology and Biochemistry COURSE TITLE SHORT — for enrollment/transcript, no more than 30 characters including spaces and punctuation Selected Topics in MBB CAMPUS where course will be normally taught: Burnaby Surrey Vancouver Great Northern Way Off campus COURSE DESCRIPTION — 50 words max. Attach a course outline. Don't include WQB or prerequisites info in this description box. The topics in this course will vary from term to term, depending on faculty availability and student interest. **■** YES How many times? 3 **REPEAT FOR CREDIT** NO Within a term? YES **LIBRARY RESOURCES** NOTE: Senate has approved (S.93-11) that no new course should be approved by Senate until funding has been committed for necessary library materials. Each new course proposal must be accompanied by the email that servwes as proof of assessment. For more information, please visit www.lib.sfu.ca/about/overview/collections/course-assessments. COMPLETED Library review done? **RATIONALE FOR INTRODUCTION OF THIS COURSE** MBB has two, 400 level special topics courses but does not have a lower division special topics course This prevents us from offering unique courses at the 200 level so we propose to add that option by creating MBB 200.



SCHEDULING AND ENROLLMENT INFORMATION

Term and year course would first be offered (e.g. FALL 2016) Summer 2017
Term in which course will typically be offered Spring Summer Fall
Other (describe) it will vary
Will this be a required or elective course in the curriculum? Required Elective
What is the probable enrollment when offered? Estimate: Will vary by topic
UNITS Indicate number of units: 3
Indicate no. of contact hours: 3 Lecture Seminar 1 Tutorial Lab Other; explain below
OTHER
·
FACULTY
Which of your present CFL faculty have the expertise to offer this course?
Any MBB faculty can propose and teach a special topics course
WQB DESIGNATION
(attach approval from Curriculum Office)
PREREQUISITE AND / OR COREQUISITE
Will be announced before the start of the term and will depend upon the nature of the topic offered
EQUIVALENT COURSES
Does this course replicate the content of a previously-approved course to such an extent that students should not receive credit for both courses?
no



NEW COURSE PROPOSAL 3 OF 3 PAGES

FEES Are there any proposed student fees associated with this course other than tuition fees? YES NO
COURSE - LEVEL EDUCATIONAL GOALS (OPTIONAL)
RESOURCES
List any outstanding resource issues to be addressed prior to implementation: space, laboratory equipment, etc:
OTHER IMPLICATIONS
Final exam required YES NO
Criminal Record Check required YES NO
OVERLAP CHECK
Checking for overlap is the responsibility of the Associate Dean.
Each new course proposal must have confirmation of an overlap check completed prior to submission to the Faculty Curriculum Committee.
Name of Originator
Ingrid Northwood



COURSE MODIFICATION FORM

Page 1 of 1

COURSE SUBJECT MBB		NUM	NUMBER					pmental Biology of Fransduction		
TY	TYPE OF CHANGES. Please type 'X' for the appropriate revision(s):									
	Course number Credit Title Description x Prerequis								Prerequisi	
ind all	WORDING/DESCRIPTION EDITS. Indicate deleted or changed text using strike through, indicate added or new text using <u>underline</u> . If you need to enter more text than the box allows, drag the endpoint of the text box to make it bigger, as it will not automatically expand.									
P M	MBB 402 (3) Aspects of developmental biology in the context of signal transduction pathways. The diverse mechanisms used in cell signalling and how the various approaches to the study of signal transduction in organismal development complement each other will be examined with an emphasis on current literature. PREREQUISITES: MBB 331 or BISC 302W with a minimum grade of C.									
EFFECTIVE TERM AND YEAR FOR CHANGES Fall, Spring, Summer and year (please enter in textbox)										
	SUMME 2017									
RA'	ΓΙΟΝΑLE (must b	e include	ed)							
By "N	y including BISC 3 Iolecular Biology	302W "Ge", BISC s	enetic Analys tudents will i	is" as	s an alter be able to	nate enro	pre-req	uisite to l 3B 402	мвв з	331