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MEMORANDUM -

ATTENTION

FROM

Senate

Wade Parkhouse, Chair

Senate Committee on Undergraduate Studies

RE:

Course Changes (SCUS 19-01)

DATE

January 11, 2019

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For information:

Acting under delegated authority at its meeting of January 10, 2019 SCUS approved the following curriculum revisions effective Fall 2019.

a. Faculty of Environment

- 1. School of Resource and Environmental Management
 - (i) Prerequisite change for REM 221
 - (ii) Title and equivalent statement change for REM 319
 - (iii) Units and prerequisite change for REM 370
- 2. Department of Geography
 - (i) Description and equivalent statement change for GEOG 215
- 3. School of Environmental Science
 - (i) Units and prerequisite change for EVSC 305 (Spring 2020)

b. Faculty of Science

- 1. Department of Earth Sciences
 - (i) Title change for EASC 210
- 2. Department of Molecular Biology and Biochemistry
 - (i) Title and description change for MBB 427
 - (ii) Description and prerequisite change for MBB 471
 - (iii) Title change for MBB 496 and 498

Senators wishing to consult a more detailed report of curriculum revisions may do so on the Senate Docushare repository at https://docushare.sfu.ca/dsweb/View/Collection-12682.



COURSE SU	вјест Г	REM NUMBER	221	TITLE	System Enviror	s Thinking and nment	the
TYPE OF CH	ANGES. Ple	ase type 'X' for the app	ropriate r	evision(s):			
Course number		Units			quisite	\boxtimes	
Title		Description		_	ivalent tement		
indicate adde allows, drag to expand. Pleas specific cours Prerequisi 100, MATE REM 100,	ed or new to the endpoin se review th se compone te: One of:-I I 197 or MA or GEOG 10	ON EDITS. Indicate deext using <u>underline</u> . If yet of the text box to make "Equivalency statements if changing equivalents if changing equivalents of the text one of: EATH 198. And one of: EO or 111, or EVSC 100 or ther credit. Quantitat	you need to ke it bigge nents" sect alent staten of Mathems WSC 100, C . Students	o enter more, as it will no ion under Ir ment(s). atics, Math 1 GEOG 102, G	e text that tot automorphisms to the second	an the box natically on about lculus, MATH or REM 100.	
		YEAR FOR CHANGES I year (please enter in	textbox)				
Fall 2019]					
The prerequ		cluded) se will bring the course	e in line wi	th other RE	M 200 lev	vel courses.	



COURSE SU	BJECT RE	M NUMBER	319	TITLE Environmental Law				
TYPE OF CH	ANGES. Pleas	se type 'X' for the ap	propriate	revision(s):				
Course number		Units		Prerequisite				
Title		Description		Equivalent ⊠ Statement				
indicate adde allows, drag t expand. Pleas	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. Please review the "Equivalency statements" section under <u>Information about specific course components</u> if changing equivalent statement(s).							
REM 319 Ei	nvironmental	and Planning Law						
not enroll in	ho have taker n this course se for further	for further credit. S	al Topics i students w	n Enviro <u>n</u> mental Law" in 2012 may vith credit for ENV 319 <u>or PLAN 319</u>				
Fall, Spring, S		EAR FOR CHANGES ear (please enter in						
Fall 2019								
RATIONALE	(must be incl	uded)						
in our prope	osed Plannin	g concentration (to	come late	that it can serve an important role er). Thus, the main change is to -listed as PLAN 319.				



COURSE SUBJECT	REM	NUMBER	370	TITLE Global Resource Issues Oceanography		2		
TYPE OF CHANGES. P	lease type 'X'	for the appi	ropriate revi	sion(s):		200		
Course number	Uni	its		Prere	quisite 🗵			
Title	Des	scription			ivalent tement			
indicate added or new allows, drag the endpo expand. Please review	WORDING/DESCRIPTION EDITS. Indicate deleted or changed text using strike through, indicate added or new text using underline. 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. Please review the "Equivalency statements" section under Information about specific course components if changing equivalent statement(s).							
Global Resource Issues in Oceanography REM 370 (3) (4) Introduces principles of oceanography, including ocean circulation, ocean carbon cycling, nutrients and biological productivity, oceans and the climate system, and ocean resource contributions to global food supply. Provides basic understanding of ocean resource management including transportation, recreation, fisheries, and mining. Prerequisite: EASC 100, EVSC 100, or GEOG 111, or REM 100-, and 45 units.								
EFFECTIVE TERM AND YEAR FOR CHANGES Fall, Spring, Summer and year (please enter in textbox) Fall 2019 RATIONALE (must be included)								
The purpose of the u hours with professor				ure hours	s from 2 hours to 3			
EASC 100 is no long	ger offered.							
45 units was added to	provide con	sistency wit	h REM third	year cou	rses.			



COURSE SUBJE	ECT GEOG	NUMBER	215	FITLE Biogeography	
TYPE OF CHANG	GES. Please typ	oe 'X' for the app	ropriate revisi	on(s):	
Course number		Units		Prerequisite	
Title		Description	\boxtimes	Equivalent ⊠ Statement	
indicate added of allows, drag the	r new text usinendpoint of the eview the "Equ	ng <u>underline</u> . If y e text box to ma iivalency statem	vou need to ent ke it bigger, as ients" section u	ed text using strike through, er more text than the box it will not automatically inder Information about (s).	
and developm change. An int and their inte	nent of plant of troduction to ractions with udents with c	communities, i the planetary each other an	ncluding clime biosphere, its d the Earth sy	ntrol the distribution atic and geological living organisms, stem. Prerequisite: ake this course for	
EFFECTIVE TERN Fall, Spring, Sumi			textbox)		
Fall 2019					
RATIONALE (mu	ıst be included)			
Description: GEO following resigns the course conte GEOG and REM	OG 215 has bee ation of a facult ent of the new i courses for whi	ty member. The instructor, and a ich it is an articul	w instructor (Sc course descripti ppropriate prep ated prerequisi		
with BISC that th	ne two courses		nt and thus stud	nd BISC 204, GEOG has agreed dents can take both for ons.	ł





COURSE SI	JBJECT E	EVSC NUMBER	305	0.0000000000000000000000000000000000000	lethods in Environmental cience		
TYPE OF CH	IANGES. Ple	ase type 'X' for the app	oropriate rev	ision(s):			
Course number		Units		Prerequi	isite ⊠		
Title		Description		Equiva Staten			
indicate add allows, drag expand. Plea	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. Please review the "Equivalency statements" section under <u>Information about specific course components</u> if changing equivalent statement(s).						
Science. Pr program. S	Introduces EVSC students to lab and field methods used in the study of Environmental Science. Prerequisite: EVSC 100 and 50 units of credit in the environmental science program. Students with credit for EVSC 205 or EVSC 491W may not take this course for further credit.						
Units: 3-4							
		YEAR FOR CHANGES I year (please enter in					
Spring 202	0	2					



RATIONALE (must be included)

The course was renumbered to EVSC 305 from EVSC 205. The prerequisite for EVSC 205 was EVSC 100, which was rolled over to EVSC 305. This opened the possibility for students to take the upper division course in their first or second year. Requiring 50 units will encourage taking this course in 3^{rd} year.

Changing the units from three to four units better reflects the 4 contact hours per week.



ITE OF CH	ANGES. Flea	se type 'X' for the appr	ropriate re	evision(s):
Course number		Units		Prerequisite
Title		Description		Equivalent \square Statement
VORDING/	DESCRIPTIO	IN FILL S INDICATE DELL	eted or ch	anged feet licing ctribe through
ndicate adde illows, drag expand. Plea epecific cour	ed or new tex the endpoint se review the	et using <u>underline</u> . If your contine is the text box to make "Equivalency statements if changing equival	ou need to ce it bigger ents" secti	anged text using strike through, o enter more text than the box as it will not automatically on under Information about nent(s).
ndicate adde allows, drag expand. Plea epecific cour	ed or new tex the endpoint se review the se componer	et using <u>underline</u> . If your contine is the text box to make "Equivalency statements if changing equival	ou need to ce it bigger ents" secti	enter more text than the box c, as it will not automatically on under <u>Information about</u>
ndicate addo allows, drag expand. Plea specific cour	ed or new tex the endpoint se review the se componer	et using <u>underline</u> . If your contine is the text box to make "Equivalency statements if changing equival	ou need to ce it bigger ents" secti	enter more text than the box c, as it will not automatically on under <u>Information about</u>
ndicate addo allows, drag expand. Plea specific cour	ed or new tex the endpoint se review the se componer	et using <u>underline</u> . If your contine is the text box to make "Equivalency statements if changing equival	ou need to ce it bigger ents" secti	enter more text than the box c, as it will not automatically on under <u>Information about</u>



RATIONALE (must be included)

Historical geology is typically taught with a focus on the scientific history of geology. In contrast, this course focuses on the geological evolution of the Earth and as such is more accurately represented by "Evolving Earth".



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COURSE SUBJECT	MBB NUMBER	427	TITLE	Immune System II: Immun Responses in Health and Disease
TYPE OF CHANGES	. Please type 'X' for the ap	propriate re	vision(s):	
Course \square number	Units		Pre	requisite \square
Title 🗵	Description	\boxtimes		quivalent 🗆 catement
indicate added or ne allows, drag the end expand. Please revies specific course composition. TITLE: Immune Sy Defects in the immune chanisms of act as autoimmune disand organ transplatimmunotherapy for HSCI 426, with a management of the strength of the	PTION EDITS. Indicate de lew text using underline. If point of the text box to make with "Equivalency stater conents" if changing equivalence if changing equivalence is ease. The cause seases, hypersensitivity reant rejection. The reaction or cancer. Prerequisite: on inimum grade of C, or per CI 427 cannot take MBB 4.	you need to ake it bigger, nents" sectionalent statem ses in Health terial, viral at es of immune actions (include of MBB 320 rmission of the	enter mo as it will on under l ent(s). and Disea nd parasi e-mediate luding ast ine system 6, HSCI 32 he instruc	re text than the box not automatically Information about asse tic infections. The d diseases, such thma and allergy) on to cancer and 26, MBB 426 or
Fall, Spring, Summer	and year (please enter in			
Fall 2019				

RATIONALE (must be included)

Currently MBB and FHS jointly offer two 400-level immunology courses, MBB/HSCI 426-4 (Immune System I: Basis of Innate and Adaptive Immunity) and MBB/HSCI 427-3 (Immune System II: Immune Responses in Health and Disease). MBB/HSCI 426-4 is being changed to a 3-unit 300-level Introductory Immunology Course, requiring the prerequisites for MBB/HSCI 427-3 to be revised as indicated. This change will give students more flexibility in their 400-level courses.



SENATE COMMITTEE ON UNDERGRADUATE STUDIES

COURSE SUBJ	ест мвв	NUMBER	471-1	TITLE Undergradua	ite Colloquiui		
TYPE OF CHAI	NGES. Please ty	pe 'X' for the ap	propriate i	revision(s):			
Course number		Units		Prerequisite X			
Title		Description	X	Equivalent \square Statement			
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. Please review the "Equivalency statements" section under <u>Information about specific course components</u> if changing equivalent statement(s).							
Recent research articles on the molecular mechanisms underlying cellular activities, genomics and bioinformatics or on the structure, function and interactions of macromolecules will be presented and discussed by students and faculty. This course will be available for MBB undergraduates to take once for undergraduate credit and will be offered in conjunction with MBB 821 (Cell and Molecular Biology), 822, 823, 841 (Genomics and Bioinformatics) or 861 (Biomolecular Structure and Function), 862, or 863. Prerequisite: permission of the instructor.							
NAME OF TAXABLE PARTY.	ERM AND YEAR mmer and year						
Fall 2019							
RATIONALE (must be included)							
	ion has been up oquium courses			/numbers/focus of the thed with.	ree		
The prerequi	site of permissi	on of the instru	ctor has be	en added.			



COURSE SUBJECT	МВВ	NUMBER	496-6	TITLE	Independent Study Semeste Joint Honours MBB-BUS or CMPT-MBB
TYPE OF CHANGES. I	Please type 'ኦ	ζ' for the app	propriate rev	vision(s):	
Course \square number	Un	nits		Prei	requisite \square
Title 🛮	De	escription			uivalent 🗆 atement
indicate added or new allows, drag the endpe expand. Please review specific course composite TITLE: Independent MBB	v text using <u>u</u> oint of the te v the "Equiva onents if cha	inderline. If y xt box to ma lency staten nging equiva	you need to oke it bigger, nents" sectionalent statemo	enter mo as it will n under] ent(s).	re text than the box not automatically Information about
EFFECTIVE TERM AN Fall, Spring, Summer a					
Fall 2019					
Change title to make 482, 482, 491, 492).	e it consisten	t with other	Individual S	tudy Sem	nester courses (MBB 481,



COURSE SUBJECT	MBB NUMBER	498-3	TITLE Indep	endent Study Semester			
TYPE OF CHANGES.	Please type 'X' for the app	propriate re	vision(s):				
Course \square number	Units		Prerequis	ite 🗆			
Title 💹	Description		Equivale Stateme				
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. Please review the "Equivalency statements" section under <u>Information about specific course components</u> if changing equivalent statement(s).							
TITLE: Independen	∉ <u>Individual</u> Study Semes	ter					
EFFECTIVE TERM AND YEAR FOR CHANGES Fall, Spring, Summer and year (please enter in textbox)							
Fall 2019 RATIONALE (must b	e included)						
	e it consistent with other	Individual S	Study Semester o	ourses (MBB 481,			