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MEMORANDUM

ATTENTION

Senate

FROM

Gordon Myers, Chair

Senate Committee on

Undergraduate Studies

RE:

Course Changes (SCUS 17-33)

DATE

August 4, 2017

PAGES

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and Miller

For information:

Acting under delegated authority at its meeting of August 3, 2017 SCUS approved the following curriculum revisions effective Summer 2018.

a. Beedie School of Business

- (i) Prerequisite change for BUS 417, 432, and 479
- (ii) Prerequisite change and equivalent statement for BUS 430

b. Faculty of Science

- 1. Department of Biological Sciences
 - (i) Prerequisite change for BISC 101
 - (ii) Deletion of BISC 404W and 419
- 2. Department of Biomedical Physiology and Kinesiology
 - (i) Description change for BPK 141, 143, 343, 445 and 482
- 3. Department of Earth Sciences
 - (i) Description change for EASC 108
- 4. Department of Statistics and Actuarial Sciences
 - (i) Prerequisite change for STAT 452

COURSE CHANGES (SCUS 17-33)

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COURSE SUBJECT BUS NUMBER 417 TITLE Security An	ıalysis										
TYPE OF CHANGES. Please type 'X' for the appropriate revision(s):											
Course Units Prerequisite Inumber	\boxtimes										
Title Description Equivalent Statement											
WORDING/DESCRIPTION EDITS. Indicate deleted or changed text using strike indicate added or new text using <u>underline</u> . If you need to enter more text than tallows, drag the endpoint of the text box to make it bigger, as it will not automat expand. Please review the "Equivalency statements" section under <u>Information as specific course components</u> if changing equivalent statement(s).	the box cically										
This course covers the historical, theoretical and practical issues involved in the valuation of securities. Three general areas are studied: valuation of fixed inconsecurities; valuation of equity securities; and topics in portfolio management. Prerequisite: BUS 315, 316, 360W; 60 units. BUS 221 recommended. Students taken BUS 492 under the topic Security Analysis may not take BUS 417 for furties.	who have										
EFFECTIVE TERM AND YEAR FOR CHANGES Fall, Spring, Summer and year (please enter in textbox) Summer 2018											
RATIONALE (must be included)											
BUS 417 has been added to the list of courses that a Finance concentrator may the Beedie School of Business' international business course requirement. The prerequisite is expected to make this course more attractive to others beyond concentrators.	change in										

COURSE MODIFICATION BUS 432



COURSE SUBJECT BUS		NUMBER	432	TITLE	International Human Resourc Management							
	TYPE OF CHANGES. Please type 'X' for the appropriate revision(s):											
	Course \square number	Ur	nits		Prei	requisite 🗵						
	Title \square	escription			uivalent 🗆 atement							
	wording/description indicate added or new allows, drag the endpexpand. Please review specific course competer BUS 432 - Internation Significance of multidemographic, etc.) resource functions employees, and course 272 or 381-or 374;	w text using use oint of the text with the "Equivarients on all Human stands on the human (employee prontries of ope	underline. If your to may all ency statem and a resource May and resource fur resource fur resource fur retion. Preresource resource fur retion.	you need to a ke it bigger, nents" section alent statement anagement (3 diversity (conction, Inter allocation, u	enter mo as it will n under l ent(s). 3) ultural, ee play amo tilization	not automatically Information about conomic, ing human), types of						
	EFFECTIVE TERM AND YEAR FOR CHANGES Fall, Spring, Summer and year (please enter in textbox) Summer 2018											
	RATIONALE (must be	e included)										
	The international business concentration and course prerequisites have been reviewed in order to provide better course access to students. BUS 272 will provide a sufficient basis for students who do not have BUS 381, and BUS 374 is not necessary as a prerequisite.											



COURSE SU	BJECT BU	JS NUMBER	479	TITLE Practicum for Strategy Analysis
TYPE OF CH	IANGES. Plea	ase type 'X' for the ap	propriate re	evision(s):
Course number		Units		Prerequisite ⊠
Title		Description		Equivalent Statement
indicate add allows, drag expand. Plea specific cour	ed or new te the endpoin se review th	xt using <u>underline</u> . If t of the text box to m e "Equivalency states nts if changing equiv	you need to ake it bigger ments" secti valent staten	anged text using strike through, o enter more text than the box on under Information about nent(s).
requisite: I				
	Summer and	YEAR FOR CHANGES year (please enter in		
RATIONALE	(must be in	cluded)		
implicit in corequisite	that student for this cou	s must have BUS 360	W in order to make this	ourses. Although this is already to take BUS 478 (which is a language explicit in the calendar in

COURSE MODIFICATION BUS 430



SENATE COMMITTEE ON UNDERGRADUATE STUDIES

COURSE SU	вјест В	US NUMBER	430	TITLE Cross	-Cultural Manager	nent						
TYPE OF CH	TYPE OF CHANGES. Please type 'X' for the appropriate revision(s):											
Course number		Units		Prerequisi	te 🗵							
Title		Description		Equivale Stateme								
indicate add allows, drag expand. Plea	ed or new t the endpoin se review t	ON EDITS. Indicate dele ext using <u>underline</u> . If yent of the text box to mak he "Equivalency stateme ents if changing equival	ou need to ke it bigger, ents" sectio	enter more text as it will not aut n under <u>Informa</u>	than the box comatically							
practices in East, and L framework and internations. Reco	Examines the major similarities and differences in management systems and practices in a variety of countries, including western Europe, East Asia, Middle East, and Latin America. Topics include the following: comparative management frameworks, managing cultural differences, cross-cultural business negotiations, and international human resource management. Prerequisite: BUS 272, 360W; 60 units. Recommended: BUS 346. Students with credit for BUS 380 may not complete BUS 430 for further credit.											
		YEAR FOR CHANGES d year (please enter in t	textbox)			_						
Summer 20	018											
RATIONALE	(must be i	ncluded)				_						
	ovide bette	ness concentration and r course access to stude				as						
	ras also dele needs to be	eted as of Fall 2017 as it listed.	has not bee	en offered in a ni	umber of years, ar	nd						



Page 1 of 1

COURSE SUB	BIS BIS	C NUMBER	101	TITLE General Biology
TYPE OF CHA	ANGES. Plea	se type 'X' for the ap	propriate:	revision(s):
Course number		Units		Prerequisite ⊠
Title	e 🗆 De			Equivalent \square Statement
indicate adde allows, drag t expand. Pleas specific cours Prerequisite BISC 100 w	d or new tex he endpoint se review the se componen e: High school ith C- or bett	et using <u>underline</u> . It of the text box to me "Equivalency state ets if changing equivalency to biology 12 (or equery, or BISC 113 with	f you need to ake it biggo ments" sect walent state uivalent) went or bett	hanged text using strike through, to enter more text than the box er, as it will not automatically tion under Information about ement(s). with a C grade or better, or ter, or HSCI 100 with C+ or with a C grade or better, or
	with a C- or l		,	
				-
		EAR FOR CHANGE year (please enter i		
RATIONALE	(must be inc	luded)		
bonds, func	tional group	s, polarity etc) as t	hese provid	d in basic chemistry (e.g., chemical de a foundation for core topics (e.g., metabolism etc.) in the course.

BISC 101 students are expected to have a background in basic chemistry (e.g., chemical bonds, functional groups, polarity etc) as these provide a foundation for core topics (e.g. membrane transport, ion movement and interaction, metabolism etc.) in the course. Currently the majority of students have grade 12 chemistry, but a small minority of students (especially non-Science) have no chemistry and are not adequately prepared to succeed in the course. All programs that require BISC 101 (BPK, MBB, FHS, FENV, BioPHYS) also require CHEM courses. Adding this pre-requisite will not add any required courses for these programs, but will ensure that Science students complete CHEM 111 before BISC 101 instead of in the reverse order.





1 OF 1 PAGE

COURSE SUBJECT	BISC	NUMBER	404W	TITLE	Plant Ecology

RATIONALE (must be included)

Both BISC 404W (Plant Ecology) and BISC 304W (Animal Ecology) have been replaced by a pair of new courses. This is part of a shift away from organismal courses, to conceptual (BISC 420 Community Ecology) and techniques (BISC 360 Techniques in Ecology and Evolution) courses. These changes have already been made to our EEC stream.

EFFECTIVE TERM AND YEAR FOR CHANGES

Fall, Spring, Summer and year (enter in textbox)

Summer 2018

PLEASE DO THE FOLLOWING:

- 1. Attach a program impact list along with your course deletion form. Contact the Senate and Academic Services Office (sfucal@sfu.ca) for a program impact list.
- 2. Once you have the program impact list, please review how deleting this course affects each program's requirements.
- 3. If more substantial changes are required to programs as a result of this deletion, please also submit a program modification form.
- 4. If no further changes other than deletion is required in program requirements, please list those programs in the box below:

Program Impact List:

- 1. Environmental Education Minor
- 2. Environmental Science Honours
- 3. Environmental Science Major

FENV has agreed to remove BISC 404W from these programs at their earliest convenience.

Course Impact Analysis

BISC 404W is not a pre-req or co-req for any BISC courses.

5. Lastly, please conduct a course impact analysis, which reviews the effect of a course number change and/or course deletion on course prerequisites. For instructions on how to do a course impact analysis, please visit our page and click on "deleting a course" and review Step 2. Course Impact Analysis.





1 OF 1 PAGE

COURSE SUBJECT	BISC	NUMBER	419	TITLE Wil	dlife Biology
RATIONALE (must b	e included)				
This course has r	not been offere	d since 20	012 and is no lo	onger part of	any BISC program or stream.
-					
-					
EFFECTIVE TERM A Fall, Spring, Summer			Summer 2018		
PLEASE DO THE FO	LLOWING:				
Office (sfue 2. Once you requirement 3. If more modification	cal@sfu.ca) for a bu have the prograts. substantial changon form.	program i ram impac ges are requ	impact list. et list, please revie uired to program	ew how deleti	m. Contact the Senate and Academic Services ing this course affects each program's f this deletion, please also submit a program requirements, please list those programs in the
Program Impact	List:				
Ethics Certific Resource and I		Manager	nent Minor		
The Department their respective p					nave agreed to delete these courses from
Course Impact A	nalysis:				
BISC 419 is not a	a pre-req or co-	req for ex	xisting BISC co	ourses.	
					v.

5. Lastly, please conduct a course impact analysis, which reviews the effect of a course number change and/or course deletion on course prerequisites. For instructions on how to do a course impact analysis, please visit our page and click on "deleting a course" and review Step 2. Course Impact Analysis.



COURSE SU	вјест врк	NUMBER	141	TITLE Theory of Exercise Pro Design	gram					
TYPE OF CH	HANGES. Please	type 'X' for the ap	propriate r	evision(s):						
Course number		Units		Prerequisite \square						
Title		Description		Equivalent \square Statement						
indicate add allows, drag expand. Plea	led or new text the endpoint o ase review the "	using <u>underline</u> . If f the text box to ma	you need to ake it bigge ments" sect	nanged text using strike through, o enter more text than the box er, as it will not automatically tion under Information about ment(s).						
to develop program d <u>honours</u> ,	An introduction to the anatomical, physiological and biomechanical knowledge required to develop effective training regimes and implementation of this knowledge in exercise program design. Behavioural Neuroscience , Biomedical Physiology , and Kinesiology honours , majors and minor students may not receive credit for BPK 141 . Students with credit for KIN 143 or BPK 143 may not take this course for further credit. Breadth-Science.									
Market Committee and The Tree		AR FOR CHANGES ar (please enter ir		*						
Summer 2	018									
	E (must be inclu				7					
equivalend	cies it was not fo		ourse descri	addressed these restrictions and iption wording. Thus, SIMS cannot be ved by SCUS.	€					



COURSE SUE	вјест врк	NUMBER	143		ise: Health and rmance
TYPE OF CH	ANGES. Please	type 'X' for the app	propriate re	vision(s):	
Course number		Units		Prerequisi	te 🗆
Title		Description	\boxtimes	Equivaler Statemer	
indicate adde allows, drag to expand. Please specific course. Introduces prescription flexibility. effects of received in Recommendations.	d or new text us the endpoint of the erview the "I se components the student to improve Also discusses the utritional and weight contraded: medical	EDITS. Indicate de sing underline. If y the text box to ma Equivalency statem if changing equivalence exercise physic aerobic capacity athletic condition and stress man clearance from a may not take this	you need to ake it bigger, nents" section alent statem ology. Focu- r, muscular oning, e.g. so factors on en agement a	enter more text of as it will not aut on under Informatent(s). Sees on personal strength and expeed and power exercise and the re considered. The physician. Studentes are to the considered.	exercise and er training. The erole of Prerequisite: ents with credit
	ummer and yea	AR FOR CHANGES ar (please enter in			
RATIONALE	(must be includ	ded)			
equivalenci	es it was not fo	proved proposal for rmalized in the co this wording has b	urse descrip	tion wording. Th	restrictions and nus, SIMS cannot be



COURSE SUBJECT	Г ВРК	NUMBER	343	TITLE	Active Health: Assessment ar Programming
TYPE OF CHANG	ES. Please type	'X' for the app	oropriate rev	vision(s):	
Course number] (Jnits		Prei	requisite \square
Title] [Description	\boxtimes		quivalent 🗆 catement
indicate added or allows, drag the e expand. Please respecific course co. An extension of provide student assess individuate exercise. The co. 142, 143 and 20 be taken concurse.	new text using ndpoint of the review the "Equivarient of the repair of the review the "Equivarient of the review the review to t	text box to may alency staten anging equivalency staten that are the second states and the second states and the second states are t	you need to only the it bigger, nents" sectionalent statement : Health and preciate prigrams and maid practics tessfully con BPK (or KIN)	enter mo as it will n under l ent(s). d Perform inciples of nonitor e um. Prer course, E nplete a	mance, designed to of exercise leadership, ffects of prescribed equisite: BPK (or KIN) BPK (or KIN) 340 (may Criminal Record Check KIN 343 may not take
EFFECTIVE TERM Fall, Spring, Summ Summer 2018					
RATIONALE (mus	st be included)				
	id needs to be i	ncluded in the	e description	of the pi	racticum because of



COURSE SUBJ	ЕСТ	ВРК	NUMBER	445	TITLE	Advanced Rehabilita		
TYPE OF CHA	NGES. P	lease type '	X' for the ap	propriate rev	vision(s):			
Course number		Uı	nits		Prei	requisite		
Title		De	escription			uivalent atement		
wording/DI indicate added allows, drag th expand. Please specific course	l or new le endpo e review e compo	text using <u>using to the testing to </u>	underline. If ext box to ma alency staten inging equiv	you need to ake it bigger, nents" sectio alent statem	enter mo as it will on under <u>l</u> ent(s).	re text than not automa information	n the box atically n about	
Builds upon the knowledge and skills learned in BPK (or KIN) 444 through advanced ECG interpretation, exercise stress testing, and patient counseling. Students will be required to complete a 30 hour <u>unpaid</u> practicum within a community or hospital-based cardiac rehabilitation program. In addition, this course will introduce students to relevant research questions in cardiac rehabilitation and how this field is expanding and evolving. Prerequisite: BPK (or KIN) 444. Students must successfully complete a Criminal Record Check. Students with credit for KIN 445 may not take this course for further credit.								
EFFECTIVE TH Fall, Spring, Su						-	B	
Summer 201	8							
RATIONALE (1	must be	included)				ě		
The word un insurance im	•		cluded in th	e descriptior	of the pi	racticum be	ecause of	
2		W.						



COURSE SU	В Р	NUMBER	482	TITLE Ergonomics and Rehabili	tati
TYPE OF CI	H ANGES. Plea	ase type 'X' for the ap	propriate	e revision(s):	
Course number		Units		Prerequisite \square	
Title		Description		Equivalent Statement	
indicate add allows, drag expand. Plea	led or new tex g the endpoint ase review the	xt using <u>underline</u> . If t of the text box to m	f you need ake it big ments" se	changed text using strike through, all to enter more text than the box ger, as it will not automatically ection under Information about tement(s).	
knowledg patients, unpaid pr	e about tools heath care pr acticum. Pre N) 481. Stude	s and techniques for roviders and organizerequisite: BPK (or K	r improvii zations. <u>T</u> IN) 180W	litation process. Provides ng the rehabilitation process for he course includes a 34 hour 7, 201, 326, and 381. Corequisite: lete a Criminal Record Check	
	Summer and	YEAR FOR CHANGES year (please enter in			
RATIONALI	E (must be inc	J cluded)			
	on and unpai finsurance im		ticum nee	ds to be included in the description	le j



COURSE SUBJECT	EASC NUMBER	108	TITLE Exploring the Solar System				
TYPE OF CHANGES. Please type 'X' for the appropriate revision(s):							
Course number	Units		Prerequisite				
Title	Description		Equivalent Statement				
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). An introduction to the geology of our solar system through a comparative survey of the planets. Emphasis will be on the geology of the Earth and how we can use this knowledge to learn more about the neighboring planets. A wealth of accessible information now exists from which we can attempt to reconstruct the geological history of each planetary surface in our solar system. Comparative planetology will be used to explore such topics as the structure and origin of the solar system, the origin and fate of the Earth, the importance of water in the solar system, the formation and geological history of planetary lithospheres and atmospheres. Students may not use EASC 108 for credit towards Earth Sciences major or minor program requirements. Breadth-Science.							
EFFECTIVE TERM AND YEAR FOR CHANGES Fall, Spring, Summer and year (please enter in textbox)							
Summer 2018							
RATIONALE (must b	e included)						
	d at non-majors. This add -level Breath EASC cours		akes the course description consistent 03, 104, 106, 107).				



COURSE SU	ВЈЕСТ	STAT NU I	MBER 452	TITLE Statistical Learning and Prediction
TYPE OF CI	HANGES.	Please type 'X' for	the appropria	te revision(s):
Course number		Units		Prerequisite 🖂
Title		Descrip	otion 🗆	Equivalent Statement
allows, drag expand. Plea	the endp	oint of the text hox	ine. If you need to make it bi statements" s	r changed text using strike through, ed to enter more text than the box gger, as it will not automatically ection under <u>Information about</u> atement(s).
statistical e	ethods. 1 error mea and dime	opics include revie asurement, flexible	ew of linear re regression ar rerequisite: S	and unsupervised statistical egression, classification, nd classification methods, TAT 302 or STAT 305 or STAT
EFFECTIVE T Fall, Spring, S 1184	ERM AN ummer a	D YEAR FOR CHA nd year (please en	NGES ter in textbox	
RATIONALE		,	ü	
BUEC 333 p STAT minor	rovides s students	ufficient preparati s as an alternative t	on for STAT 4 to STAT 302 o	52 and is commonly taken by r STAT 305.