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MEMORANDUM

ATTENTION

Senate

Wade Parkhouse, Chair

Senate Committee on

Undergraduate Studies

RE:

FROM

Course Modifications (SCUS 19-38)

DATE June 7, 2019

PAGES 1/2

For information:

Acting under delegated authority at its meeting of June 6, 2019 SCUS approved the following curriculum revisions effective Spring 2020.

a. Faculty of Applied Sciences

- 1. Mechatronic Systems Engineering (MSE)
 - (i) Equivalent statement change for MSE 429

b. Beedie School of Business

- (i) Prerequisite change for BUS 428, 431, 435 and 479
- (ii) Prerequisite and course number change for BUS 470

c. Faculty of Environment

- 1. Department of Archaeology
 - (i) Units change for ARCH 201, 286, 372, 376 and 435

d. Faculty of Health Sciences

- (i) Deletion of HSCI 426
- (ii) Prerequisite change for HSCI 427, 442, 477 and 482

e. Faculty of Science

- 1. Department of Biological Sciences
 - (i) Unit change for BISC 373
- 2. Department of Molecular Biology and Biochemistry
 - (i) Deletion of MBB 426

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 SUBJECT	MSE NUMBER	429		eed Kinematics for Systems
TYPE OF CHANGES. Pl	ease type 'X' for the app	propriate revis	sion(s):	
Course \square number	Units		Prerequisite \square	
Title \square	Description		Equivalent ⊠ Statement	
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EFFECTIVE TERM ANI				
Fall, Spring, Summer an Spring 2020	d year (please enter in	textbox)		





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RATIONALE (must be included)

The equivalency statement initially included in the course description for MSE 429 has since been deemed unnecessary, due to limited real overlap with ENSC 488.



PAGE I OF 2

COURSE SU	BJECT BUS	NUMBER	428	TITLE Forens Analyti	ic Accounting & Data ics		
TYPE OF CHA	ANGES. Please	type 'X' for the ap	propriate re	vision(s):			
Course number		Units		Prerequisite	\boxtimes		
Title		Description		Equivalent Statement			
indicate adde allows, drag t expand. Pleas specific cours	d or new text u he endpoint of se review the "E se components	sing <u>underline</u> . If the text box to ma Equivalency stater if changing equiv	you need to ake it bigger, nents" sectio alent statem	inged text using strenter more text that as it will not autor under Information ent(s).	an the box natically		
BUS 428 - Forensic Accounting and Data Analytics (3) This course combines forensic accounting with data analytics. Students explore common fraud schemes, and learn how to identify and investigate them. Students then apply data analytic methods to explore fraud in an accounting case, and communicate their findings to practicing forensic accountants who provide real-world guidance and feedback. Prerequisite: BUS 321, BUS 360W, 60 units. Corequisite: BUS 426.							
EFFECTIVE TERM AND YEAR FOR CHANGES Fall, Spring, Summer and year (please enter in textbox)							
Spring 2020)						



PAGE 2 OF 2

RATIONALE (must be included)

The materials covered in BUS 426 are not necessary for the successful completion of BUS 428.



PAGE I OF 2

COURSE SUBJ	ECT BUS	NUMBER	431	TITLE Business Wincountries	th East Asian		
TYPE OF CHAN	I GES. Please ty	pe 'X' for the ap	propriate re	vision(s):			
Course number		Units		Prerequisite 🗵			
Title		Description		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). BUS 431 - Business with East Asian Countries (3) This course examines the opportunities and challenges of doing business with the Pacific Rim countries such as China, Japan and Korea. Topics include the following: the political and economic systems as they affect foreign investment; social and cultural systems as they affect management practices; the conduct of business negotiations for market entry; and marketing strategies. Prerequisite: BUS 360W and one of BUS 430 or 432; 60 units. Recommended: BUS 346.							
EFFECTIVE TERM AND YEAR FOR CHANGES							
Fall, Spring, Sun Spring 2020	nmer and year	(please enter in	textbox)				



PAGE 2 OF 2

RATIONALE (must be included)

As of Fall 2018, all Beedie students must complete an IB (International Business) area course prior to graduation. Due to this new requirement the IB Area has been reviewing their course prerequisites to determine whether they were necessary in order to ensure courses were as accessible as possible to help students move through the BBA without barriers. The IB Area also reviewed the prerequisites in light of the IB concentration and how students move through the required courses for the concentration so they can graduate in a timely manner. Faculty in this area observed how students have been performing in class with or without the prerequisites (as many students have been granted prerequisite waivers for these courses) and determined that the performance did not differ based on whether they had taken these courses or not. These changes will allow BBA students to complete their IB course and/or IB concentration in a timely manner for graduation and also so students can participate in opportunities such as Co-op and exchange, which can be impacted by course progression and students' timelines to graduation.



PAGE I OF 2

COURSE SU	ВЈЕСТ	BUS NUMBER	435	TITLE Manag Firms	ement of Internationa
TYPE OF CH	ANGES. Ple	ase type 'X' for the app	propriate rev	vision(s):	
Course number		Units		Prerequisite	\boxtimes
Title		Description		Equivalent Statement	
indicate adde allows, drag to expand. Pleas specific cours BUS 435 - N Strategic respecific and implementi	ed or new to the endpoir se review the se compone Management quirements I institution ng profitab	ON EDITS. Indicate de ext using <u>underline</u> . If you to fithe text box to mane "Equivalency statements if changing equivants of International Firm and challenges facing globe strategies. Prerequipended: BUS 346.	you need to ke it bigger, nents" sectionalent statements (3) of multinations obal manage	enter more text the as it will not autor n under Information ent(s). onal corporations. ers in formulating	an the box natically on about Firm- and
	ummer and	YEAR FOR CHANGES I year (please enter in	textbox)		
Spring 2020	J	1			



PAGE 2 OF 2

RATIONALE (must be included)

As of Fall 2018, all Beedie students must complete an IB (International Business) area course prior to graduation. Due to this new requirement the IB Area has been reviewing their course prerequisites to determine whether they were necessary in order to ensure courses were as accessible as possible to help students move through the BBA without barriers. The IB Area also reviewed the prerequisites in light of the IB concentration and how students move through the required courses for the concentration so they can graduate in a timely manner. Faculty in this area observed how students have been performing in class with or without the prerequisites (as many students have been granted prerequisite waivers for these courses) and determined that the performance did not differ based on whether they had taken these courses or not. These changes will allow BBA students to complete their IB course and/or IB concentration in a timely manner for graduation and also so students can participate in opportunities such as Co-op and exchange, which can be impacted by course progression and students' timelines to graduation.



PAGE I OF 2

COURSE SU	BJECT I	BUS NUMBER	4 79	TITLE Strateg	y Analysis Practicum		
TYPE OF CH	ANGES. Ple	ase type 'X' for the ap	propriate	revision(s):			
Course number		Units		Prerequisite	\boxtimes		
Title		Description		Equivalent Statement			
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). BUS 479 - Strategy Analysis Practicum (3) A project study that enables students to work on contemporary business problems, requiring them to apply their foundation knowledge in business and advanced analytical skills. Feasible projects will be identified by the course instructor, in collaboration with the career management office at Beedie. Prerequisite: BUS 360W; 90 units; one of BUS 371, BUS 470 or BUS 471. Corequisite: BUS 478.							
		YEAR FOR CHANGES					
Spring 2020		d year (please enter ir	i textbox)				



PAGE 2 OF 2

RATIONALE (must be included)

The Strategic Analysis concentration has been reviewed and course numbering and prerequisites are changing to guide students through the concentration more appropriately

The updated prerequisites will allow students to take this course concurrently with others in the concentration as long as they have 90 units and BUS 478 concurrently.



PAGE I OF 2

COURSE SUBJEC	BUS NUMB	BER 470	TITLE Business Application Theory	ns of Gar
TYPE OF CHANGE	S. Please type 'X' for the	appropriate re	vision(s):	
Course \boxtimes number	Units		Prerequisite 🗵	
Title $\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \$	Description	n 🗆	Equivalent \square Statement	
indicate added or allows, drag the enexpand. Please revenues specific course combined and the second and the se	new text using underline. It is a point of the text box to ew the "Equivalency statements if changing equations of Garage Applications of Garage Systematic study of the Experiments Course introduces a decision making in a business and statements.	If you need to make it bigger tements" section with a section with a section of the section of t	eractions between e basic concepts of game Games with increasing loping a student's ability to a strategic management	
	AND YEAR FOR CHANG er and year (please enter			





PAGE 2 OF 2

RATIONALE (must be included)

The Strategic Analysis concentration has been reviewed and course numbering and prerequisites are changing to guide students through the concentration more appropriately

 $\,$ BUS 470 will change to BUS 307 to indicate that students can take it earlier in the concentration.



Page 1 of 1

COURSE SU	BJECT ARCH	NUMBER	201	TITLE	Reconstructing the Human Past	
TYPE OF C	HANGES. Please	type 'X' for the ap	propriate re	vision(s):		
Course number		Units	\boxtimes	Pre	requisite \square	
Title		Description			quivalent \square tatement	
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). Reduction from 4 units to 3 units.						
	Summer and yea	AR FOR CHANGES ar (please enter ir				
RATIONALI	E (must be includ	led)				
We have added a number of 4 credit courses to the lower division requirements, but have not reduced credit requirements elsewhere. Furthermore, making this course 3 credits puts						

it back in line with our other lower-level courses.





COURSE SUBJECT ARCH NUMBER 372 TITLE Material Culture Analysis								
TYPE OF CHANGES. Please type 'X' for the appropriate revision(s):								
Course \square Units \boxtimes Prerequisite \square number								
Title Description Equivalent 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).								
Reduction from 5 units to 4 units.								
EFFECTIVE TERM AND YEAR FOR CHANGES Fall, Spring, Summer and year (please enter in textbox) Spring 2020								
RATIONALE (must be included)								
We are increasing the number of required courses in our core program (i.e., the addition of ARCH 376Q). Therefore it is necessary to reduce the number of 5 unit courses students will be required to take.								



COURSE SUBJECT	ARCH	NUMBER	376Q	TITLE	Quantitative Methods in Archaeology
TYPE OF CHANGE	S. Please type '	X' for the app	propriate rev	vision(s):	
Course \square	Uı	nits	\boxtimes	Prer	equisite 🗆
Title \square	De	escription			uivalent 🗌 atement
	tew text using <u>the text</u> dpoint of the text the "Equivant of the text the "Equivant of the text the t	underline. If ext box to ma alency staten anging equiva	you need to lke it bigger, nents" sectio	enter mo as it will on under <u>I</u>	
EFFECTIVE TERM Fall, Spring, Summe					
Spring 2020					
RATIONALE (must	be included)				-
We are increasin addition of ARCH courses students	1 376Q). There	fore it is ned			rogram (i.e., the number of 5 unit



COURSE SUBJECT ARCH NUMBER 435 TITLE Field Work Practicum								
TYPE OF CHANGES. Please type 'X' for the appropriate revision(s):								
Course \square Units \boxtimes Prerequisite \square number								
Title Description Equivalent 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).								
From 6 units to variable credit, anywhere from 3-6 units.								
EFFECTIVE TERM AND YEAR FOR CHANGES Fall, Spring, Summer and year (please enter in textbox)								
Spring 2020								
RATIONALE (must be included)								
The Archaeology UCC recognizes that the CRM certificate requirements are too heavy in comparison to certificates in other units.								
By allowing flexibility on unit counts for this course it will enable students to do shorter stints of field work practicums both within and outside of departmental field schools, and apply those credits towards our CRM certificate.								



EXISTING COURSE DELETION FORM

1 OF 1 PAGE

COURSE SUBJECT [ISCI NUMBER	426	TITLE Imm	une System I	
RATIONALE (must be i	ncluded)				
	une System I: Basis of 3 (Introduction to the			ity) has been replaced	d by a 300-level
	O YEAR FOR CHANGES	Spring 2020			

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:
- 1. Program impact list is attached.
- 2. Programs have been reviewed.
- 3. Program Modification form is attached. Changes are coordinated with Molecular Biology and Biochemistry. HSCI 426 is cross-listed with MBB 426.
- 4. NA
- 5. Course Modification forms for HSCI 427, HSCI 442, HSCI 477 and HSCI 482, which list HSCI 426 as a prerequisite, are also submitted.
 - 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	BJECT HS	CI NUMBER	427	TITLE Immune System II			
TYPE OF CHANGES. Please type 'X' for the appropriate revision(s):							
Course number		Units		Prerequisite ⊠			
Title		Description		Equivalent \square Statement			
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). MBB 426 or HSCI 426 MBB 326 or HSCI 326, with a minimum grade of C, or permission of the instructor. Students with credit for MBB 427 may not take this course for credit.							
EFFECTIVE TERM AND YEAR FOR CHANGES Fall, Spring, Summer and year (please enter in textbox)							
Spring 202	J						





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RATIONALE (must be included)

Replacement of previous MBB/HSCI 426 prerequisite course with new 300-level Introductory Immunology Course (HSCI/MBB 326)





COURSE SU	JBJECT I	HSCI NUMBER	442	TITLE IMMUN	OLOGY LABORATOR
түре оғ сн	ANGES. Ple	ase type 'X' for the app	propriat	e revision(s):	
Course number		Units		Prerequisite	\boxtimes
Title		Description		Equivalent Statement	
indicate adde allows, drag expand. Plea specific cour	ed or new to the endpoir se review th se compone	ext using <u>underline</u> . If interest of the text box to make "Equivalency statents if changing equivalents if changing equivalents if changing equivalents."	you need ake it big nents" se alent sta	changed text using strid to enter more text that ger, as it will not autometion under Information tement(s). 3, BISC 357, or MBB 304	nn the box natically on about
	Summer and	YEAR FOR CHANGES d year (please enter in)	





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RATIONALE (must be included)

Replacement of previous MBB/HSCI 426 prerequisite course with new 300-level Introductory Immunology Course (HSCI/MBB 326)



COURSE SU	вјест н	SCI NUMBER	477	TITLE Seminar in Vaccine Immunology				
TYPE OF CHANGES. Please type 'X' for the appropriate revision(s):								
Course number		Units		Prerequisite ⊠				
Title		Description		Equivalent Statement				
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). BISC 303 and HSCI 426 or MBB 426 HSCI 326 or MBB 326, or permission of the instructor. Recommended: HSCI 427 or MBB 427.								
EFFECTIVE TERM AND YEAR FOR CHANGES Fall, Spring, Summer and year (please enter in textbox)								
Spring 2020				,				



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RATIONALE (must be included)

Replacement of previous MBB/HSCI 426 prerequisite course with new 300-level Introductory Immunology Course (HSCI/MBB 326)



COURSE SU	ВЈЕСТ	HSCI NUMBER	482	TITLE	Senior Seminar in Infection Diseases	u	
TYPE OF CHANGES. Please type 'X' for the appropriate revision(s):							
Course number		Units		Prere	equisite 🖂		
Title		Description			nivalent 🗆 nitement		
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). HSCI 338 - Animal Virology, MBB/HSCI 426 - Immune System I: Basis of Innate and Adaptive Immunity MBB/HSCI 326 - Introduction to the Immune System.							
	ummer a	ID YEAR FOR CHANGES and year (please enter in t	textbox)				
Spring 2020	<i>,</i>						



Page 2 of 2

RATIONALE (must be included)

Replacement of previous MBB/HSCI 426 prerequisite course with new 300-level Introductory Immunology Course (HSCI/MBB 326)



Page 1 of 1

COURSE SU	вјест [BISC NUMBER	373	Brewing Science		
TYPE OF CHA	ANGES. Pl	ease type 'X' for the app	propri	ate revision(s):		
Course number		Units	\boxtimes	Prerequisite \square		
Title		Description		Equivalent \square Statement		
WORDING/DESCRIPTION EDITS. Indicate deleted or changed text using strike through,						

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).

Increase the number of units from 2 to 3. Change the number of lectures from 2 per week to 3 per week.

EFFECTIVE TERM AND YEAR FOR CHANGES

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

Spring 2020 (1201)

RATIONALE (must be included)

BISC 373 was initially introduced to allow students to take the lecture component of BISC 374, without taking its lab component; BISC 374 includes 2 hours of lecture per week as well as a lab component. Due to space and personnel constraints, it is currently not feasible to offer the course with a lab component. Instead, BISC 373 will be modified to capture the essence of the laboratory component by incorporating demonstrations, hands-on exercises, and study group discussions into a third hour of lecture per week. We do not propose to modify BISC 374 at this time, in case it becomes feasible to offer the lab again at some point in the future.

COURSE SUBJECT MBB

NUMBER 426

TITLE Immune System I

RATIONALE (must be included)

MBB 426-4 (Immune System I: Basis of Innate and Adaptive Immunity) has been cancelled and replaced with a 300-level course, MBB 326-3 (Introduction to the Immune System).

EFFECTIVE TERM AND YEAR FOR CHANGES

Fall, Spring, Summer and year (enter in textbox) Spring 2020

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:
- 1. Program impact list is attached.
- 2. Programs have been reviewed.
- 3. Program Modification form is attached. Changes are coordinated with Faculty of Health Sciences because MBB 426 is cross-listed with HSCI 426.
- 4. NA
- 5. A Course Modification form for MBB 427, which lists MBB 426 as a prerequistion, was submitted to FoS UCC previously. MBB 326 was added as an alternative pre-req to MBB 426. This change was approved by Senate (S.19.27).
 - 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.