

OFFICE OF THE ASSOCIATE VICE-PRESIDENT, ACADEMIC

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MEMORANDUM

FROM

ATTENTION Senate

Wade Parkhouse, Chair

Senate Committee on Undergraduate

Studies

RE: Course Changes (SCUS 22-18)

DATE March 4, 2022

1/3

PAGES

For information:

Acting under delegated authority at its meeting of March 3, 2022 SCUS approved the following curriculum revisions effective Fall 2022.

a. Faculty of Applied Sciences

- 1. School of Engineering Science
 - (i) Prerequisite change for ENSC 413
- 2. School of Sustainable Energy Engineering
 - (i) Title change for SEE 352

b. Faculty of Arts and Social Sciences

- 1. School of Criminology
 - (i) Description and equivalent statement change for CRIM 340
 - (ii) Description, equivalent statement and prerequisite change for CRIM 441

2. Department of Economics

(i) Prerequisite changes for ECON 201, 222, 260, 280, 290, 291, 310, 329, 333, 334, 342, 345, 354, 355W, 362, 370, 372 and 390

3. Department of Indigenous Studies

- (i) Title, prerequisite and description change for INDG 327
- (ii) Prerequisite change for INDG 333
- (iii) Title, description and prerequisite changes for INDG 401
- (iv) Equivalency statement change for INDG 410

4. School for International Studies

(i) Description and prerequisite change for IS 428

5. Department of Philosophy

(i) Prerequisite changes for PHIL 320, 321, 322, 326, 327, 328 and 329

6. Department of Political Science

(i) Description change for POL 451W

7. Department of Psychology

(i) Temporarily withdraw PSYC 389

c. Beedie School of Business

(i) Prerequisite change for BUS 207 and 468

d. Faculty of Communication, Art and Technology

1. School of Communication

(i) Temporarily withdraw CMNS 323W

e. Faculty of Environment

1. Department of Geography

(i) Deletion of GEOG 322, 322W and 428

f. Faculty of Health Sciences

- (i) Title and description change for HSCI 338
- (ii) Prerequisite change for HSCI 440 and 475

g. Faculty of Science

- 1. Department of Biomedical Physiology and Kinesiology
 - (i) Prerequisite change for BPK 417
- 2. Department of Mathematics
 - (i) Title, prerequisite, and description change for MATH 154
 - (ii) Title and description change for MATH 155
- 3. Department of Statistics and Actuarial Sciences
 - (i) Prerequisite change for STAT 240, 260, 261, 302, 305, 310 and 311

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 MODIFICATION FORM

COURSE SU	IBJECT	ENSC	NUMBER	413	TITLE	Deep Learning Systems in Engineering		
TYPE OF CHANGES. Please type 'X' for the appropriate revision(s):								
Course number		Un	its		Prere	equisite 🗵		
Title		Des	scription		_	ivalent □ tement		
Machine learning basics, generalization theory, training, validation, and testing. Introduction to artificial neural networks: feedforward, convolutional, recurrent networks. Types of layers in deep models. Architectural and memory calculations. Regularization and optimization. Hardware architectures for deep learning. The course culminates in a major project focusing on engineering applications of deep learning. Prerequisite: MATH 251, ENSC 280, ENSC 351, ENSC 380, all with a minimum grade of C-B. Students with credit for ENSC 813 may not take this course for further credit.								
EFFECTIVE TERM AND YEAR FOR CHANGES								
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RATIONALE (must be included)

ENSC 413 was created as an undergraduate version of our graduate course ENSC 813 (Deep Learning Systems in Engineering). The course shares lectures with ENSC 813 and covers advanced concepts in deep learning theory and applications. For undergraduate students to be able to follow these graduate-level lectures, they need to have strong background in vector calculus (MATH 251), probability and statistics (ENSC 280), signals and systems (ENSC 380) and real-time software (ENSC 351). Here, "strong background" does not mean "merely passing" – the students really need to have strong command of the foundational knowledge, otherwise they would be set up for failure in ENSC 413. This is the reason we require a minimum of B in the prerequisite courses.

25	
CELL	SENATE COMMITTEE ON
210	UNDERGRADUATE STUDIES

COURSE SU	BJECT	SEE	NUMBER	352	TITLE	Power Generation and Conversion			
TYPE OF CHANGES. Please type 'X' for the appropriate revision(s):									
Course number		U	nits		Prere	equisite 🗆			
Title		D	escription		_	ivalent □ tement			
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EFFECTIVE T Fall, Spring, S									
Fall 2022									

RATIONALE (must be included)

SENATE COMMITTEE ON UNDERGRADUATE STUDIES

The current course title can cause confusion and give the impression that it covers topics such as electrical power conversion systems. The proposed title is more descriptive of the course content, i.e., energy conversion in thermodynamics cycles.



COURSE MODIFICATION FORM

						Page 1 01 2		
COURSE SUBJECT	CRIM NUMBER	340	TITLE	Crimina	al justice pol	icymaking		
				and pol	icy analysis			
TYPE OF CHANGES. Please type 'X' for the appropriate revision(s):								
Course \square number	Units		Prere	quisite				
Title \square	Description			ivalent tement				
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EFFECTIVE TERM ANI								
Fall, Spring, Summer ar	a year (please enter in	textbox)						
Fall 2022								

COURSE MODIFICATION FORM

Page 2 of 2

RATIONALE (must be included)

Outdated and not sufficiently descriptive

29	
SFU	SENATE COMMITTEE ON UNDERGRADUATE STUDIES

			1		_					
COURSE SUI	BJECT	CRIM	NUMBER	441	TITLE	Preventing crime and antisocial behaviour:				
						Designing & evaluating				
						programs				
TYPE OF CHA	TYPE OF CHANGES. Please type 'X' for the appropriate revision(s):									
Course number		Un	its		Prere	equisite 🗵				
Title		Des	scription		•	nivalent ⊠ ntement				
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). An applied course in which students will develop skills learn to design and evaluate evidence based prevention and intervention programs targeting the prevention or reduction of specific criminal and antisocial behaviours. Examples of include programs include those targeting: gangs; adolescent drug use; bullying; aggression; school drop out; child sexual abuse; domestic-intimate partner violence; online piracy, cybercrime, recidivism, distracted driving, dating violence, and gambling addiction. Prerequisite: CRIM 101 and CRIM 220. Students who took CRIM 417 Current Issues in Criminology and Criminal Justice Preventing Crime & Antisocial Behaviour in Fall 2013 may not take this course for further credit.										
Fall 2022										

COURSE MODIFICATION FORM

Page 2 of 2

RATIONALE (must be included)

Outdated		

31	
SELI	SENATE COMMITTEE ON
31 0	UNDERGRADUATE STUDIES

COURSE SUB	SJECT	ECON	NUMBER	201	TITLE		nomic Theory I: ive Behavior		
TYPE OF CHANGES. Please type 'X' for the appropriate revision(s):									
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Title		De	escription			uivalent atement			
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Fall 2022									
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RATIONALE (must be included)

ECON 113 and ECON 115 are new courses that provide the intuitive fundamentals of micro/macroeconomic literacy through accessible language and graphs. Students who intend to complete a program in Economics are advised to take Econ 103 and 105. However, students can substitute either or both course by completing Econ 113 and/or Econ 115, respectively, with a minimum grade of A- on the first attempt.

In order to ensure students who enter our programs through this pathway can continue to complete courses, the prerequisites for courses that previously required 103/105 need to be changed.

TITLE Introduction to Game Theory

Page 1 of 1



ECON

COURSE SUBJECT

TYPE OF (C HANGES. Plea	ase type 'X' for the app	propria	te revision(s):	
Course number		Units		Prerequisite	
Title		Description		Equivalent Statement	
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In order	to ensure stu	dents who enter our	progra	ms through this pathwa	ay can

continue to complete courses, the prerequisites for courses that previously required

103/105 need to be changed.

NUMBER 222

TITLE Environmental Economics

Page 1 of 1

SFU SENATE COMMITTEE ON UNDERGRADUATE STUDIES

ECON

COURSE SUBJECT

T	TYPE OF CHANGES. Please type 'X' for the appropriate revision(s):									
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Ti	itle		Description		Equivalent Statement					
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Fa			R FOR CHANGES (please enter in)					
R	ATIONALE (1	must be include	ed)							
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	In order to e	ensure student	s who enter our	prograi	ns through this pathw	ay can				

continue to complete courses, the prerequisites for courses that previously required

103/105 need to be changed.

NUMBER 260

34	
CELL	SENATE COMMITTEE ON
310	UNDERGRADUATE STUDIES

COURSE SUBJECT	ECON	NUMBER	280	IIILE	Economics
TYPE OF CHANGES.	Please type ''	X' for the app	oropriate rev	vision(s):	
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Title \square	De	escription			uivalent 🗆 atement
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RATIONALE (must b	e included)				
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ECON 113 and ECON 115 are new courses that provide the intuitive fundamentals of micro/macroeconomic literacy through accessible language and graphs. Students who intend to complete a program in Economics are advised to take Econ 103 and 105. However, students can substitute either or both course by completing Econ 113 and/or Econ 115, respectively, with a minimum grade of A- on the first attempt.

In order to ensure students who enter our programs through this pathway can continue to complete courses, the prerequisites for courses that previously required 103/105 need to be changed.

35 SENATE COMMITTEE ON UNDERGRADUATE STUDIES

COURSE SUBJECT	ECON NUMBER	290	TITLE Canadian Microeconomic Policy
TYPE OF CHANGES	. Please type 'X' for the ap	propriate rev	vision(s):
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Title	Description		Equivalent \square Statement
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Fall 2022 RATIONALE (must	be included)		
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In order to ensure students who enter our programs through this pathway can continue to complete courses, the prerequisites for courses that previously required 103/105 need to be changed.

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Econ 115, respectively, with a minimum grade of A- on the first attempt.

36	
SFU	SENATE COMMITTEE ON UNDERGRADUATE STUDIES

COURSE SUBJECT	ECON	NUMBER	291	TITLE	Canadian Macroeconomic Policy
TYPE OF CHANGES	S. Please type '	X' for the app	oropriate rev	vision(s):	
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ECON 113 and ECON 115 are new courses that provide the intuitive fundamentals of micro/macroeconomic literacy through accessible language and graphs. Students who intend to complete a program in Economics are advised to take Econ 103 and 105. However, students can substitute either or both course by completing Econ 113 and/or Econ 115, respectively, with a minimum grade of A- on the first attempt.

In order to ensure students who enter our programs through this pathway can continue to complete courses, the prerequisites for courses that previously required 103/105 need to be changed.

37	
CELL	SENATE COMMITTEE ON
350	UNDERGRADUATE STUDIES

COURSE SU	BJECT E	CON NUMBER	R 310	TITLE Money and Banking
TYPE OF CH	IANGES. Ple	ase type 'X' for the a	ppropriat	e revision(s):
Course number		Units		Prerequisite 🖂
Title		Description		Equivalent \square Statement
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In order to ensure students who enter our programs through this pathway can continue to complete courses, the prerequisites for courses that previously required

103/105 need to be changed.

TITLE Experimental Economics

Page 1 of 1



ECON

COURSE SUBJECT

TYPE OF CH	IANGES. Please	e type 'X' for the ap	propria	te revision(s):	
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NUMBER 329

SFU SENATE COMMITTEE ON UNDERGRADUATE STUDIES

COURSE SU	вјест Есс	NUMBER	333	TITLE Statistical Analysis of Economic Data
TYPE OF CH	IANGES. Pleas	e type 'X' for the ap	propriate	revision(s):
Course number		Units		Prerequisite 🗵
Title		Description		Equivalent \square Statement
indicate add allows, drag expand. Plea specific cours ECON 103, 105, with a or BUS (or units. Stud 270 can tal their ECON	the endpoint ase review the recomponent with a minimum grand BUEC) 232 or ents with a mi ke ECON 333 a	t using <u>underline</u> . If of the text box to material text if changing equivalency states if changing equivalency and grade of C- or ECON 12 STAT 270, MATH 1 mimum grade of A- infter 30 units. Stude	you need ake it bigg nents" se alent stat CON 113 v 15 with a 57, all with in ECON 2	changed text using strike through, to enter more text than the box ger, as it will not automatically ction under Information about tement(s). with a minimum grade of A-; ECON minimum grade of A-; ECON 233, th a minimum grade of C-; 60 233, BUS (or BUEC) 232 or STAT ag permission to enroll based on the must contact the Undergraduate
		EAR FOR CHANGES year (please enter in	•	
ran 2022				

RATIONALE (must be included)

ECON 113 and ECON 115 are new courses that provide the intuitive fundamentals of micro/macroeconomic literacy through accessible language and graphs. Students who intend to complete a program in Economics are advised to take Econ 103 and 105. However, students can substitute either or both course by completing Econ 113 and/or Econ 115, respectively, with a minimum grade of A- on the first attempt.

In order to ensure students who enter our programs through this pathway can continue to complete courses, the prerequisites for courses that previously required 103/105 need to be changed.

COURSE MODIFICATION FORM

Page 1 of 1

COURSE SUB	JECT	ECON	NUMBER	334	TITLE	Data Visualization and Economic Analysis
TYPE OF CHA	ANGES.	Please type	'X' for the app	oropriate rev	vision(s):	
Course number		U	nits		Pre	requisite 🗵
Title		D	escription			quivalent 🗌 catement
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Fall 2022 RATIONALE	(must b	e included)				
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ECON 113 and ECON 115 are new courses that provide the intuitive fundamentals of micro/macroeconomic literacy through accessible language and graphs. Students who intend to complete a program in Economics are advised to take Econ 103 and 105. However, students can substitute either or both course by completing Econ 113 and/or Econ 115, respectively, with a minimum grade of A- on the first attempt.

In order to ensure students who enter our programs through this pathway can continue to complete courses, the prerequisites for courses that previously required 103/105 need to be changed.

SENATE COMMITTEE ON UNDERGRADUATE STUDIES

Page 1 of 1

COURSE SU	IBJECT ECC	ON NUMBER	342	TITLE International Trade
TYPE OF CI	HANGES. Pleas	se type 'X' for the ap	propriate	e revision(s):
Course number		Units		Prerequisite 🗵
Γitle		Description		Equivalent □ Statement
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		EAR FOR CHANGE year (please enter i)
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In order to ensure students who enter our programs through this pathway can continue to complete courses, the prerequisites for courses that previously required

103/105 need to be changed.

COURSE SU	J BJECT EC	ON NUMBER	345	TITLE International Finance
TYPE OF C	HANGES. Plea	ase type 'X' for the ap	propriate	revision(s):
Course number		Units		Prerequisite ⊠
Γitle		Description		Equivalent \square
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EFFECTIVE TERM AND YEAR FOR CHANGES

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

Fall 2022

RATIONALE (must be included)

ECON 113 and ECON 115 are new courses that provide the intuitive fundamentals of micro/macroeconomic literacy through accessible language and graphs. Students who intend to complete a program in Economics are advised to take Econ 103 and 105. However, students can substitute either or both course by completing Econ 113 and/or Econ 115, respectively, with a minimum grade of A- on the first attempt.

In order to ensure students who enter our programs through this pathway can continue to complete courses, the prerequisites for courses that previously required 103/105 need to be changed.

43	
SFU	SENATE COMMITTEE ON UNDERGRADUATE STUDIES

COURSE SUBJ	ECT	ECON	NUMBER	354	TITLE	Comparative Economic Institutions		
TYPE OF CHA	NGES. I	Please type ''	Κ' for the ap _l	propriate rev	vision(s):			
Course number		Ur	nits		Prei	requisite ⊠		
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	N 113 w	<u>zith a minim</u>	um grade of	A-; ECON 10	5 with a	<u>minimum grade</u> minimum grade		
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RATIONALE (must be	e included)						

ECON 113 and ECON 115 are new courses that provide the intuitive fundamentals of micro/macroeconomic literacy through accessible language and graphs. Students who intend to complete a program in Economics are advised to take Econ 103 and 105. However, students can substitute either or both course by completing Econ 113 and/or Econ 115, respectively, with a minimum grade of A- on the first attempt.

In order to ensure students who enter our programs through this pathway can continue to complete courses, the prerequisites for courses that previously required 103/105 need to be changed.

Page 1 of 1

COURSE SUBJECT ECON NUMBER 355	W TITLE Economic Development									
YPE OF CHANGES. Please type 'X' for the appropriate revision(s):										
Course Units Inumber	Prerequisite 🗵									
Title Description	Equivalent \square Statement									
WORDING/DESCRIPTION EDITS. Indicate deleted indicate added or new text using <u>underline</u> . If you n allows, drag the endpoint of the text box to make it expand. Please review the "Equivalency statements' specific course components if changing equivalent to the edge of Course and 105, all with a minimum grade of Course components."	eed to enter more text than the box bigger, as it will not automatically section under Information about statement(s).									
grade of C- or ECON 113 with a minimum grade of grade of C- or ECON 115 with a minimum grade of										
EFFECTIVE TERM AND YEAR FOR CHANGES Fall, Spring, Summer and year (please enter in textb	oox)									
Fall 2022										
RATIONALE (must be included)										
ECON 113 and ECON 115 are new courses that price micro/macroeconomic literacy through accessily intend to complete a program in Economics are However, students can substitute either or both Econ 115, respectively, with a minimum grade of the order to ensure students who enter our program is a substitute of the course of th	ble language and graphs. Students who advised to take Econ 103 and 105. course by completing Econ 113 and/or of A- on the first attempt.									

continue to complete courses, the prerequisites for courses that previously required

103/105 need to be changed.

COURSE MODIFICATION FORM

Page 1 of 1

COURSE SUBJECT	ECON	NUMBER	362	TITLE	Economics of Natural Resources		
TYPE OF CHANGE	S. Please type '	X' for the app	oropriate rev	vision(s):			
Course \square number	Uı	nits		Prei	requisite 🗵		
Title \square	De	escription		-	uivalent 🗆 atement		
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). ECON 103 and 105, with a minimum grade of C-; ECON 103 with a minimum grade of C- or ECON 113 with a minimum grade of A-; ECON 105 with a minimum grade of C- or ECON 115 with a minimum grade of A-; 60 units.							
EFFECTIVE TERM Fall, Spring, Summ Fall 2022	_		textbox)				
RATIONALE (mus	be included)						
			-		uitive fundamentals of d graphs. Students who		

In order to ensure students who enter our programs through this pathway can continue to complete courses, the prerequisites for courses that previously required 103/105 need to be changed.

intend to complete a program in Economics are advised to take Econ 103 and 105. However, students can substitute either or both course by completing Econ 113 and/or

Econ 115, respectively, with a minimum grade of A- on the first attempt.

Page 1 of 1

COURSE SU	BJECT E	CON NUMBER	3 70	TITLE Health Economics						
TYPE OF CH	TYPE OF CHANGES. Please type 'X' for the appropriate revision(s):									
Course number		Units		Prerequisite ⊠						
Title		Description		Equivalent □ Statement						
indicate add allows, drag expand. Plea	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).									
grade of C-	or ECON 1		grade of A-	E ECON 103 with a minimum ; ECON 105 with a minimum .						
		YEAR FOR CHANGE d year (please enter i								
Fall 2022										
RATIONALE	E (must be i	ncluded)								
micro/ma intend to d However,	croeconom complete a students ca	ic literacy through a program in Econom in substitute either (accessible aics are ad or both co	language and graphs. Students who vised to take Econ 103 and 105. The surse by completing Econ 113 and/or and the first attempt.						

In order to ensure students who enter our programs through this pathway can continue to complete courses, the prerequisites for courses that previously required

103/105 need to be changed.

COURSE MODIFICATION FORM

Page 1 of 1

COURSE SUI	ВЈЕСТ	ECON	NUMBER	372	TITLE	The Economics of Globalization
TYPE OF CH	ANGES.	Please type ''	X' for the app	propriate rev	rision(s):	
Course number		Ur	nits		Prei	requisite 🗵
Title		De	escription			quivalent 🗆 tatement
indicate adde allows, drag expand. Plea specific cour ECON 103 of C- or ECO	ed or nethe endpose reviews se compose and 105 ON 113	w text using <u>tooint</u> of the tew the "Equiva onents if cha	underline. If yext box to ma alency statem anging equiva mum grade o um grade of	you need to ke it bigger, nents" section lent statement of C-; ECON 1 A-; ECON 1	enter mo as it will on under lent(s). 03 with a sign of the sign	t using strike through, are text than the box not automatically Information about a minimum grade minimum grade
		ND YEAR FO and year (ple				
Fall 2022						
RATIONALE	(must b	e included)				
micro/maintend to o	croecon complete	omic literacy e a program i	through ac	cessible lang s are advise	guage an ed to take	uitive fundamentals of and graphs. Students who e Econ 103 and 105.

Econ 115, respectively, with a minimum grade of A- on the first attempt.

103/105 need to be changed.

In order to ensure students who enter our programs through this pathway can continue to complete courses, the prerequisites for courses that previously required

November 2016

48	
SELI	SENATE COMMITTEE ON
510	UNDERGRADUATE STUDIES

COURSE SU	IBJECT E	CON NUMBER	390	TITLE Public Policy
TYPE OF CI	HANGES. Ple	ase type 'X' for the ap	propriat	e revision(s):
Course number		Units		Prerequisite 🗵
Title		Description		Equivalent \square Statement
indicate add allows, drag expand. Ple	ded or new to g the endpoir ase review tl	ext using <u>underline</u> . In the standard of the text box to m	f you need nake it big ements" se	changed text using strike through, d to enter more text than the box ger, as it will not automatically ection under <u>Information about</u> tement(s).
of C- or EC	CON 113 wit		f A-; ECO	ON 103 with a minimum grade N 105 with a minimum grade nits.
		YEAR FOR CHANGE d year (please enter i)
Fall 2022				
RATIONAL	E (must be in	ncluded)		
micro/maintend to However	acroeconom complete a , students ca	ic literacy through a program in Econom n substitute either o	ccessible ics are ad or both co	ovide the intuitive fundamentals of language and graphs. Students who vised to take Econ 103 and 105. ourse by completing Econ 113 and/or A- on the first attempt.

In order to ensure students who enter our programs through this pathway can continue to complete courses, the prerequisites for courses that previously required

103/105 need to be changed.

SENATE COMMITTEE ON UNDERGRADUATE STUDIES

YPE OF CH		NDG NUMBER		TITLE Aboriginal Women in Ca
Course number		Units		Prerequisite ⊠
Title		Description		Equivalent \square Statement
Aboriginal Themes ar Indigenous function of regulating Prerequisi taken INDO INDG (or F both cours	Indigenous	the "Equivalency state ents if changing equivalency if changing equivalency if changing equivalence of the historical Canada: Indigenous to sof Indigenous wome identity; relevance of FNST) 101 or INDG 322 under this topic and GSWS 327 (or WS	ments" se valent stat NDG 327 (and cont heories of en in Cana f feminist (or FNST) may not t 327) are i	emporary experiences of Aboriginal f gender; evolution and political ada; history of Canadian legislation analysis; and history of activism. 201W 45 units. Students who have ake this course for further credit. identical and students may not take
RATIONALE	E (must be in	ച ncluded)		
Replacing	terminology	(i.e., 'Aboriginal' to '	Indigenou	ıs').
Change to (or FNST)	• •	es, deleting 45 units a	nd replac	ing with INDG (or FNST) 101 or INDG

COURSE SU	JBJECT	INDG NUMBER	333	TITLE Indigenous Ethnozoology
TYPE OF CH	I ANGES . Plo	ease type 'X' for the app	propriat	e revision(s):
Course number		Units		Prerequisite ⊠
Title		Description		Equivalent □ Statement
This course America ha managed a (or FNST)	e explores ave with an animals and 101 or 201	ents if changing equiva- the unique relationship imals. It examines how compares this to west	that Ind they natern scies 232. Str	digenous peoples of North med, classified, used and nce. Prerequisite: Either INDG udents with credit for INDG (or
		O YEAR FOR CHANGES and year (please enter in)
RATIONALE	E (must be i			
Removal o	•	ncluded)		

SENATE COMMITTEE ON UNDERGRADUATE STUDIES

COURSE SUI	ВЈЕСТ	INDG	NUMBER	401	TITLE	Aboriginal Peoples and Pu Policy
TYPE OF CHA	ANGES. I	Please type 'X'	for the app	ropriate revi	sion(s):	
Course number		Un	its		Prere	equisite 🖂
Title	\boxtimes	Des	scription		_	uivalent 🗆 Itement
Aboriginal I An examina political, so America, an Issues exam government government community	e reviewed e composition of Ficial and did the princed incide the project models to policies and Fided: POI	withe "Equival pinents" if change in the second sec	ency statem aging equivand and Public Pol and Aborigin avolving the blitical relati and Indigences, constitution aeir impact coolitics. Pres	lents" section lent stateme licy INDG 40 leal Indigenous ir rights as fit ons with varous rights and matters, on women's lequisite: INI	n under Lint(s). 1 (3) Is people rest citizer ious leved title qualities, and DG (or FN)	I
		ND YEAR FOR and year (plea		textbox)		
Fall 2022						
RATIONALE	(must be	e included)				
Replacing to	erminolo	ogy (i.e., 'First	Nations' an	d 'Aboriginal	l,' to 'Indi	genous').
Change pre	requisite	e to "or" rathe	r than "and.	n		

SFU SENATE COMMITTEE ON UNDERGRADUATE STUDIES

OURSE SUBJEC	T INDG	NUMBER	410	TITLE					
TYPE OF CHANGES. Please type 'X' for the appropriate revision(s):									
] Uı	nits		Prere	quisite				
itle \Box] Do	escription		_		\boxtimes			
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). Introduces basic editorial principles fashioned by an understanding of Indigenous practices and protocols to demonstrate how Indigenous people's ways of being, worldviews, and life experiences play into editorial decision-making. Students will develop an informed and case-by-case approach of their own by critically applying principles learned from Indigenous storytellers themselves. Prerequisite: or Corequisite: INDG 101 or 201W. Students with credit for INDG 322 under the title "Indigenous Editing" offered in Spring 2021, PUB 410 or PUB 480 under the title "Indigenous Editing" offered in Spring 2022 may not take this course for further credit.									
	er and year (ple	ease enter in	textbox)						
	t be included)								
Change to equiva offered in Spring ourse PUB 480	alency statemer 3 2021 (which e under the title " wo-way equival	nded up not l Indigenous E lency course l	peing offered Editing" offer PUB 410 – El	l), and to a ed in Spri ements o	add the S _l ing 2022. f Indigend	pecial Topics ous Style:			
	ORDING/DESCI licate added or repand. Please revectific course controduces basic practices and provorldviews, and levelop an informaticiples learned corequisite: IND Indigenous Edit Indigenou	PE OF CHANGES. Please type Course umber itle De De DRDING/DESCRIPTION EDITS licate added or new text using to lows, drag the endpoint of the tector of the endpoint of the tector of the endpoint of the endp	PE OF CHANGES. Please type 'X' for the approurse Units umber litle Description ORDING/DESCRIPTION EDITS. Indicate delicate added or new text using underline. If yows, drag the endpoint of the text box to maloand. Please review the "Equivalency statemerific course components" if changing equivalent or actices and protocols to demonstrate how worldviews, and life experiences play into edevelop an informed and case-by-case approprinciples learned from Indigenous storytelle Corequisite: INDG 101 or 201W. Students with Indigenous Editing" offered in Spring 2021, Indigenous Editing" offered in Spring 2022 in Indigenous Editing offered in Spring 2022 in Indigenous Editing offered in Spring 2022 in Indigenous Editing offered in Spring 2021 (which ended up not be founded) Change to equivalency statement, to delete Infered in Spring 2021 (which ended up not be founded) Change to equivalency statement, to delete Infered in Spring 2021 (which ended up not be founded) Change to equivalency statement, to delete Infered in Spring 2021 (which ended up not be founded) Change to equivalency statement, to delete Infered in Spring 2021 (which ended up not be founded) Change to equivalency statement, to delete Infered in Spring 2021 (which ended up not be founded)	PE OF CHANGES. Please type 'X' for the appropriate reviourse Units	PE OF CHANGES. Please type 'X' for the appropriate revision(s): ourse	PE OF CHANGES. Please type 'X' for the appropriate revision(s): ourse	PE OF CHANGES. Please type 'X' for the appropriate revision(s): Ourse		

53	
CELL	SENATE COMMITTEE ON
310	UNDERGRADUATE STUDIES

COURSE SU	BJECT IS	NUMBER	428	TITLE	Directed Readings		
TYPE OF CHANGES. Please type 'X' for the appropriate revision(s):							
Course number		Units		Prerequisite	\boxtimes		
Title		Description	\boxtimes	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). Independent research in a selected international studies area, under the supervision of at least one faculty member. A research report is required. Prerequisite: By application to the undergraduate chair. May only be taken once for credit towards a degree or diploma. Independent research in a selected international studies area, under the direction of a single faculty member. Papers will be required. May only be taken once for credit. Prerequisite: 75 units. International Studies major or honours students and written application to the school no later than the last day of classes of the preceding term.							
		YEAR FOR CHANGES l year (please enter in	•				
Fall 2022							

COURSE SU	BJECT PHII	NUMBER	320	TITLE Social and Political Philosophy		
TYPE OF CHANGES. Please type 'X' for the appropriate revision(s):						
Course number		Units		Prerequisite ⊠		
Title		Description		Equivalent \square Statement		
indicate add allows, drag expand. Plea	led or new text the endpoint on the review the	tusing <u>underline</u> . In the text box to m	f you need take it big ments" se	changed text using strike through, I to enter more text than the box ger, as it will not automatically ection under Information about tement(s).		
One of PHI or REM 32		or equivalent), 121	1, 220, 221	1, <u>270, SDA 270,</u> ENV 320W,		
		EAR FOR CHANGE ear (please enter i				
Fall 2022						
RATIONALI	E (must be incl	uded)				
		new course. The etes students for 30		the philosophy department believe nics courses.		
The phrase		(or equivalent)" ha	as been m	isunderstood by students, so we would		

55	
	CENATE COMMITTEE ON
SFU	SENATE COMMITTEE ON UNDERGRADUATE STUDIES

COURSE SUB	JECT F	PHIL NUM	MBER 321	TITLE	Topics in	Moral Philosophy	
TYPE OF CHA	NGES. Pl	ease type 'X' for	the appropriat	e revision(s):			
Course number		Units		Pre	requisite	\boxtimes	
Title		Descrij	ption 🗆		quivalent catement		
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).							
One of PHIL or REM 320		W (or equivalen	t), 121, 220, 22	21, <u>270, SDA 2</u>	<u>70,</u> ENV 32	20W,	
Fall, Spring, S		O YEAR FOR CHA nd year (please e		x)			
Fall 2022							
RATIONALE	(must be	included)					
		s a new course.' pares students			hy departn	nent believe	
The phrase like to clarif)W (or equivaler	nt)" has been r	nisunderstood	l by studen	ts, so we would	

56	
CELL	SENATE COMMITTEE ON
310	UNDERGRADUATE STUDIES

COURSE	SUBJECT	PHIL	NUMBER	322	TITLE	History of	f Ethics
TYPE OF	TYPE OF CHANGES. Please type 'X' for the appropriate revision(s):						
Course number			Units		Prei	requisite	
Title			Description			quivalent atement	
indicate a allows, dr expand. F	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).						
	PHIL <u>120,</u> 0W, or RE	-	equivalent), 121	, 150, 151, 2	20, or -22	1, <u>270, SDA</u>	270,
			FOR CHANGES (please enter in				
Fall 202	22						
RATIONA	ALE (must	be included	d)				
			urse. The ethicist lents for 300-leve			artment bel	ieve
sake of o	consistency V 320W/RE	, we're addir	ses include ENV 3 ng it to the prerec ficiently prepare	juisites for PH			requisites; for the tructors believe
The phr		20W (or equ	ivalent)" has bee	en misunderst	ood by stı	udents, so w	e would like to

UNDERGRADUATE STUDIES

COURSE SUBJECT	PHIL	NUMBER	326	TITLE	Topics in	Law and	Philosop
TYPE OF CHANGI	E S. Please type '	X' for the app	propriate rev	vision(s):			
Course number	U U	nits		Pre	requisite	\boxtimes	
Title \Box	D D	escription			uivalent atement		
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).							
One of PHIL <u>120</u> 320W, or with p		-	220, 221, <u>2</u> 2	70, SDA 2	<u>70,</u> ENV 32	0W, <u>or</u> R	EM
EFFECTIVE TERM Fall, Spring, Summ			textbox)				
RATIONALE (mus	st be included)						
The ethics instrusufficiently prep	ares students fo	or our 300-le	vel ethics co	urses.			
like to clarify it.							
The phrase "or with permission of the instructor" is redundant: All courses normally allow for permission if the instructor decides so, and students know it.							

58	
CELL	SENATE COMMITTEE ON
310	UNDERGRADUATE STUDIES

COURSE SUB	JECT I	PHIL	NUMBER	327	TITLE	Global He	alth Ethics
TYPE OF CHA	NGES. Pl	ease type '	X' for the app	propriate rev	vision(s):		
Course number		U	nits		Prei	requisite	\boxtimes
Title		D	escription			uivalent atement	
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).							
60 units and	l one of P	HIL 120W	(or equivale:	nt), 121 or 2	21; or HS	CI 319.	
60 units and 270, HSCI 32			g: PHIL 120,	PHIL 120W,	PHIL 12	1, PHIL 221	<u>, PHIL</u>
EFFECTIVE T Fall, Spring, St							
Fall 2022							
RATIONALE ((must be	included)					
The ethics in sufficiently p						SDA 270 /	PHIL 270
The phrase 'like to clarif		OW (or equ	ivalent)" has	s been misun	iderstood	l by studen	ts, so we would

COURSE SUBJECT	PHIL	NUMBER	328	TITLE	Environmental Philosoph	ıy	
TYPE OF CHANGES.	Please type 'Σ	ζ for the app	propriate rev	vision(s):			
Course \square number	Un	nits		Pre	requisite 🗵		
Title	De	escription			quivalent \square tatement		
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).							
One of PHIL <u>120,</u> 12 or REM 320W.	20W (or equiv	<i>r</i> alent), 121,	220, 221, <u>27</u>	70, SDA 2	<u>70,</u> ENV 320W,		
EFFECTIVE TERM A Fall, Spring, Summer Fall 2022							
RATIONALE (must b	e included)					1	
that it sufficiently p	orepares stud	ents for 300)-level ethics	courses.	hy department believe d by students, so we would		

COURSE SUBJECT	PHIL NUMBER	329	TITLE Law and	Justice			
TYPE OF CHANGES. Pl	ease type 'X' for the ap	propriate re	vision(s):				
Course \square 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). One of PHIL 120, 120W (or equivalent), 121, 220, 221, 270, SDA 270, ENV 320W, or REM 320W or with permission of instructor.							
EFFECTIVE TERM ANI Fall, Spring, Summer and							
Fall 2022							
RATIONALE (must be	included)						
	new course. The ethics instruents for our 300-level ethics		ilosophy Department be	ieve that it			
Also: The course that was 329 should be updated to	once called "ENV 320W" is reflect this.	now called "RE	M 320W". The list of pre	requisites for PHIL			
The phrase "PHIL 120W (or equivalent)" has been mi	sunderstood by	students, so we would l	ike to clarify it.			
The phrase "or with perm instructor decides so, and	ission of the instructor" is r students know it.	edundant: All c	ourses normally allow fo	r permission if the			

COURSE SU	J BJECT P	OL NUMBER	451V	V TITLE Public Policy Analysis	S
TYPE OF CH	I ANGES. Plea	ase type 'X' for the app	oropriat	re 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). Examines the conceptual, philosophical and practical aspects of public policy analysis as it is conducted in government, universities, interest groups and policy research institutes. Specific attention is paid to the question of the role of policy research in the process of public policy making and the design of government programs and services. Prerequisite: Eight upper division units in political science or permission of the department. Students with credit for POL 451 may not take this course for further credit. Writing/Quantitative.					
EFFECTIVE	TEDM AND	YEAR FOR CHANGES			
		l year (please enter in		k)	

Page 2 of 2

RATIONALE (must be included)

This proposal is to remove the Quantitative designation from Pol 451W. The revision is designed to reflect that the course is no longer being taught with a quantitative dimension.



8888 University Drive, Burnaby, BC TEL 778.782.4416

FAX 778.782.3033

murraye@sfu.ca http://www.sfu.ca/fass.html

MEMORANDUM -

ATTENTION SCUS MEMBERS

FROM Lara Campbell

Chair, Faculty of Arts and Social Sciences

Curriculum Committee (FASSUCC)

RE: Temporary Course withdrawal: PSYC 389

Canada V5A 1S6

DATE 14 February 2022

The Department of Psychology wishes to temporarily withdraw the following course: Psychology 389: Emotion and Motivation (3).

Please place this item on the agenda of the next SCUS meeting.

Sincerely,

Lara Campbell

Cara Campbell

Associate Dean, Faculty of Arts and Social Sciences

COURSE SU	ІВЈЕСТ Е	RUS NUMBE	R 207	TITLE Managerial Economics		
TYPE OF CH	ANGES. Plea	ase type 'X' for the ap	propriate	e revision(s):		
Course number		Units		Prerequisite ⊠		
Title		Description		Equivalent □ Statement		
indicate adde allows, drag expand. Pleas specific cours Emphasis is particular, considerati addition to Prerequisit grade of C-;	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). Emphasis is upon the relevance of economic models to business decision-making and, in particular, upon the rational analysis of choice alternatives within the firm. Course will include consideration of optimizing techniques and analysis of risk, demand, production and profit in addition to examination of long-term investment decisions and business forecasting. Prerequisite: ECON 103 or ECON 113, ECON 105 or ECON 115, MATH 157, all with a minimum grade of C-; 15 units. Students with credit for ECON 301, ECON 201, or BUS 307 may not take BUS 207 for further credit. Quantitative.					
EFFECTIVE TERM AND YEAR FOR CHANGES Fall, Spring, Summer and year (please enter in textbox) FALL 2022						
RATIONALE	(must be in	cluded)				
introduce s courses wil	students to i	nany of the same cor y prepare students fo	ncepts cov or BUS 20'	onomics, ECON 113 and 115. ECON 113 and 11 rered in ECON 103 and 105, and either set of 7. Therefore, ECON 113 and 115 are being ents can complete in lieu of ECON 103 and 109		

COURSE SUBJECT	BUS	MBER 468	TITLE	Managing Information Technology for Business Value		
TYPE OF CHANGES. F	lease type 'X' for tl	he appropriate re	vision(s):			
Course \square number	Units		Prere	equisite 🗵		
Title \square	Descript	tion 🗌	_	ivalent 🗌 tement		
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 468 - Managing Information Technology for Business Value (3) Focuses both on current issues (e.g. build/buy, outsourcing, alignment) and emerging issues (e.g. social networking, utility computing, knowledge management and privacy) in obtaining value from information technology. Prerequisite: BUS 237, BUS 360W, BUS 362, both all with a minimum grade of C-; 90 units. Recommended: BUS 362.						
EFFECTIVE TERM AND YEAR FOR CHANGES Fall, Spring, Summer and year (please enter in textbox) Fall 2022						
RATIONALE (must be	included)					
BUS 362 after comp in business process	leting all level 400 analysis and this k prerequisite cours	MIS courses at th nowledge is esser se for all level 400	is time. BU ntial for all O MIS cours	idents are able to take IS 362 prepares students level 400 MIS courses. By ses, students will have to		



MEMO

Undergraduate Chair School of Communication

Burnaby Campus - K8665

Burnaby Tel: 778.782.9360

Fax: 778.782.4024

AI.	LENT.	ION:	FCAT	UCC

FROM: Frédérik Lesage, CMNS Undergraduate Chair

RE: Temporarily Withdrawn Courses in CMNS: CMNS 323W

cc

DATE: February 10 2022

The following School of Communication courses will be temporarily withdrawn effective Fall Term 2022:

CMNS 323W

Frédérik Lesage CMNS USC Chair



T: 778.782.8797 F: 778.782.8788 www.fenv.sfu.ca

Simon Fraser. University TASC2 8800 8888 University Drive Burnaby, BC Canada V5A 1S6

MEMORANDUM

To: Wade Parkhouse, Chair, SCUS

From: Paul Kingsbury, FENV, Chair, UCC

February 11, 2022

Re: Faculty of Environment SCUS Submission for Meeting of March 3, 2022

Please find attached the following submission from the Faculty of Environment for the March 3 meeting of SCUS. It includes a memo from Lance Lesack (Chair, Undergraduate Studies Committee, Department of Geography) requesting the deletion of three courses. This request is in addition to REM's requested program changes to the Sustainable Business Joint Major, which I submitted to Kris Nordgren several weeks ago.

Included here are:

1. Course Deletions:

a. GEOG 322, 322W, 428

Sincerely,

Dr. Paul Kingsbury

Associate Dean, Undergraduate, Faculty of Environment



MEMO

ATTENTION: Paul Kingsbury, Associate Dean, FENVError!	
Bookmark not defined.	TEL
FROM: Lance Lesack, Undergraduate Studies Committee Ch	air, Dept of Geography
RE: Deletion of GEOG 322, 322W & 428	
DATE: February 7, 2022	TIME

The Department of Geography would like to request deletion of the following courses:

- GEOG 322 World Resources
- GEOG 322W World Resources
- GEOG 428 World Forests

These courses were taught by a faculty member who has since retired and in an area that is no longer being taught within our Department.

Please let us know if you require additional details or further information.

COURSE SU	ЈВЈЕСТ Н	SCI NUMBER	338	TITLE Animal Virology					
TYPE OF CH	TYPE OF CHANGES. Please type 'X' for the appropriate revision(s):								
Course number		Units		Prerequisite \square					
Title		Description	\boxtimes	Equivalent \square Statement					
indicate add allows, drag expand. Plea specific cour	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).								
HSCI 338 - Animal Virology (3) Animal v Virology in the context of viral diseases in humans and animals. Animal v Viruses, their structures, their transmission and replication in human and animal hosts, virus- interactions with hosts interactions and viral diseases. Prerequisite: MBB 222 with a minimum grade of C- or permission of the instructor. Corequisite: BISC 303.									
	EFFECTIVE TERM AND YEAR FOR CHANGES Fall, Spring, Summer and year (please enter in textbox) Fall 2022								

Page 2 of 2

RATIONALE (must be included)

The change will avoid students' frequent misunderstanding of the course content. Although viruses are categorized as animal, plant and bacterial depending on their hosts, the course teaches about animal viruses that cause diseases mostly in humans. The course's title and description change will clarify the course's main objective to teach basic animal virology in relation to human viral diseases.

COURSE SU	ІВЈЕСТ [HSCI NUMBER	R 440	TITLE Cell Pathophysiology Laboratory					
TYPE OF CH	TYPE OF CHANGES. Please type 'X' for the appropriate revision(s):								
Course number		Units		Prerequisite 🖂					
Title		Description		Equivalent \square Statement					
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). Prerequisite: HSCI 321, HSCI 323, and one of BISC 357, MBB 308, or MBB 309W, all with a minimum grade of C									
EFFECTIVE TERM AND YEAR FOR CHANGES Fall, Spring, Summer and year (please enter in textbox)									
Fall 2022									

Page 2 of 2

RATIONALE (must be included)

UNDERGRADUATE STUDIES

The inclusion of HSCI 323 "Principles of Pharmacology and Toxicology" prerequisite provides additional background knowledge for this laboratory course. It also better aligns the prerequisites for each of the 400-level Health Sciences lab courses in the Life Sciences major by making each of these 400-level lab courses have required HSCI lecture course.

HSCI 323->HSCI 440

HSCI 338->HSCI 441

HSCI 326->HSCI 442

73	
CELL	SENATE COMMITTEE ON
210	UNDERGRADUATE STUDIES

COURSE SU	ВЈЕСТ	HSCI	NUMBER	475	TITLE		r in Molecular isms of Epigeneti	
TYPE OF CHA	TYPE OF CHANGES. Please type 'X' for the appropriate revision(s):							
Course number		Un	its		Prere	quisite		
Title		De	scription			ivalent tement		
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). Prerequisite: MBB 331 and HSCI 324, HSCI 323, HSCI 324, and MBB 331, both all with a minimum grade of C-, or permission of the instructor.								
EFFECTIVE T	FRM AN	D VEAR FOE	CHANGES					
Fall, Spring, S								
Fall 2022								



RATIONALE (must be included)

The inclusion of HSCI 323 "Principles of Pharmacology and Toxicology" prerequisite provides additional background knowledge for this seminar. It also better aligns the prerequisites for each of the 400-level Health Sciences seminar courses in the Life Sciences major by making each of these 400-level seminar courses have unique required lecture course. For example,

HSCI 323->HSCI 475

HSCI 326->HSCI 477

COURSE SUBJECT	ВРК	NUMBER	417	TITLE	Obesity, Adipocyte Function and Weight management			
TYPE OF CHANGES. Please type 'X' for the appropriate revision(s):								
Course \square number	Units			Prerequisite $oxtimes$				
Title \square	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). Prerequisite: BPK 110, 306, 340. Recommended: BPK 110.								
EFFECTIVE TERM AND YEAR FOR CHANGES Fall, Spring, Summer and year (please enter in textbox)								
Fall 2022								



RATIONALE (must be included)

The remaining pre-requisites cover the most relevant aspects of necessary for the discussions in BPK 417 - Obesity, Adipocyte Function and Weight management. BPK 417 is an elective within the Biomedical Physiology Major. BPK 110 – Human Nutrition is not required within the Biomedical Physiology Major and creates a barrier for Biomedical Physiology Major students to select this course.

COURSE SU	ВЈЕСТ	MATH	NUMBER	154	TITLE	Calculus I for the Biological Sciences Mathematics for the Life Sciences I		
TYPE OF CHA	TYPE OF CHANGES. Please type 'X' for the appropriate revision(s):							
Course number		Un	its		Prere	equisite 🗵		
Title		De	scription		•	nivalent 🗆 Itement		
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). Designed for students specializing in the biological and medical life sciences. Topics include: limits, growth rate and the derivative; elementary functions, optimization and approximation methods, and their applications, integration, and differential equations; mathematical models of biological processes and their implementation and analysis using software. Prerequisite: Pre-Calculus 12 (or equivalent) with a grade of at least B, or MATH 100 with a grade of at least C ₂ , or achieving a satisfactory grade on the Simon Fraser University Calculus Readiness Test. Students with credit for either MATH 150, 151 or 157 may not take MATH 154 for further credit. Quantitative.								
Fall, Spring, S	EFFECTIVE TERM AND YEAR FOR CHANGES Fall, Spring, Summer and year (please enter in textbox)							
Fall 2022								



RATIONALE (must be included)

The purpose of the changes to MATH 154&155 was to modernize the presentation of the material taking fully into account areas of the life sciences in which mathematics is used.

We extended the types of mathematics presented, lowered the mechanical requirements of the class, removed topics unlikely to be of great relevance to most students in the life sciences, placed greater emphasis on developing and interpreting mathematical models, and encouraged the use of universally available software to perform mathematical calculations.

79	
CELL	SENATE COMMITTEE ON
210	UNDERGRADUATE STUDIES

COURSE SU	ВЈЕСТ	МАТН	NUMBER	155	TITLE	Calculus II for the Biological Sciences Mathematics for the Life Sciences II		
TYPE OF CHA	TYPE OF CHANGES. Please type 'X' for the appropriate revision(s):							
Course number		Un	its		Prere	equisite 🗆		
Title	\boxtimes	De	scription	\boxtimes	_	uivalent 🗆 utement		
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). Designed for students specializing in the biological and medical life sciences. Topics include: vectors and matrices, the integral, partial derivatives, multidimensional integrals, systems of differential equations, linear systems; compartment models, graphs and networks, and their applications to the Life Sciences; mathematical models of multi-component biological processes and their implementation and analysis using software. Prerequisite: MATH 150, 151 or 154 with a minimum grade of C-; or MATH 157 with a grade of at least B. Students with credit for MATH 152 or 158 may not take this course for further credit. Quantitative.								
Fall, Spring, S		_						



RATIONALE (must be included)

The purpose of the changes to MATH 154&155 was to modernize the presentation of the materia taking fully into account areas of the life sciences in which mathematics is used.

We extended the types of mathematics presented, lowered the mechanical requirements of the class, removed topics unlikely to be of great relevance to most students in the life sciences, placed greater emphasis on developing and interpreting mathematical models, and encouraged the use of universally available software to perform mathematical calculations.

UNDERGRADUATE STUDIES

COURSE SU	IBJECT S	STAT NUMBER	240	TITLE Introduction to Data Science			
TYPE OF CH	ANGES. Ple	ase type 'X' for the ap	propriat	e revision(s):			
Course number		Units		Prerequisite ⊠			
Title		Description		Equivalent □ Statement			
indicate adde allows, drag expand. Plea specific cour STAT 24 Introduction visualization 203, STAT 120, CMPT	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). STAT 240 - Introduction to Data Science (3) Introduction to modern tools and methods for data acquisition, management, and visualization capable of scaling to Big Data. Prerequisite: One of STAT 201, STAT 203, STAT 205, STAT 270, er-BUS 232, or ECON 233, and one of CMPT 102, CMPT 120, CMPT 125, CMPT 128, CMPT 129, CMPT 130, all with a minimum grade of C- or permission of the instructor. STAT 260 is also recommended. Quantitative.						
		YEAR FOR CHANGES d year (please enter in)			
Fall 2022							



RATIONALE (must be included)

Prior to Fall 2019, Beedie and the Economics department jointly shared an introductory Statistics course: BUEC 232. In Fall 2019, Business took ownership of this course in the form of BUS 232. In Fall 2020, the Economics department introduced their own introductory statistics course: ECON 233. The Statistics and Actuarial Science department has assessed ECON 233 as an acceptable prerequisite for STAT 240.

SFU SENATE COMMITTEE ON UNDERGRADUATE STUDIES

COURSE SU	IBJECT	STAT NO	UMBER 260	TITLE	Introductory R for Daniel Science	ata			
TYPE OF CH	TYPE OF CHANGES. Please type 'X' for the appropriate revision(s):								
Course number		Units		Prerequisite ⊠					
Title		Descri	ption \square		ivalent 🗌 tement				
state adde allows, drag expand. Plea specific cours STAT 20 An introdu visualization types. No paragraph 201, STAT least C- or service allowed allow	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). STAT 260 - Introductory R for Data Science (2) An introduction to the R programming language for data science. Exploring data: visualization, transformation and summaries. Data wrangling: reading, tidying, and data types. No prior computer programming experience required. Prerequisite: One of STAT 201, STAT 203, STAT 205, STAT 270, BUS 232, ECON 233, or POL 201, with a grade of at least C- or permission of the instructor. Corequisite: STAT 261. Students who have taken STAT 341 or STAT 360 first may not then take this course for further credit.								
Fall, Spring, S	EFFECTIVE TERM AND YEAR FOR CHANGES Fall, Spring, Summer and year (please enter in textbox)								
Fall 2022	Fall 2022								



RATIONALE (must be included)

Prior to Fall 2019, Beedie and the Economics department jointly shared an introductory Statistics course: BUEC 232. In Fall 2019, Business took ownership of this course in the form of BUS 232. In Fall 2020, the Economics department introduced their own introductory statistics course: ECON 233. The Statistics and Actuarial Science department has assessed ECON 233 as an acceptable prerequisite for STAT 260.



COURSE SUB	ECT S	TAT N	UMBER	261	TITLE		ory for Introductory R a Science	
TYPE OF CHAN	I GES. Plea	se type 'X' for	the appr	opriate revi	sion(s):			
Course number		Units			Prerequisite 🖂		\boxtimes	
Title		Description			Equivalent \square Statement			
indicate added allows, drag the expand. Please specific course STAT 261 A hands-on a concepts cove summarize) a experience re 232, ECON 23 Corequisite: S	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). STAT 261 - Laboratory for Introductory R for Data Science (1) A hands-on application of the R programming language for data science. Using the R concepts covered in STAT 260, students will explore (visualize, transform, and summarize) and wrangle (read and tidy) data. No prior computer programming experience required. Prerequisite: One of STAT 201, STAT 203, STAT 205, STAT 270, BUS 232, ECON 233, or POL 201, with a grade of at least C- or permission of the instructor. Corequisite: STAT 260. Students who have taken STAT 341 or STAT 360 first may not then take this course for further credit.							
EFFECTIVE TE Fall, Spring, Sur				extbox)				
Fall 2022								



RATIONALE (must be included)

Prior to Fall 2019, Beedie and the Economics department jointly shared an introductory Statistics course: BUEC 232. In Fall 2019, Business took ownership of this course in the form of BUS 232. In Fall 2020, the Economics department introduced their own introductory statistics course: ECON 233. The Statistics and Actuarial Science department has assessed ECON 233 as an acceptable prerequisite for STAT 261.



COURSE SUBJECT	STAT NUMBER	310	Introduction to Data Science for the Social Sciences			
TYPE OF CHANGES.	Please type 'X' for the app	oropriate revisio	on(s):			
Course \square 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). STAT 310 - Introduction to Data Science for the Social Sciences (2) An introduction to modern tools and methods for data acquisition, management, visualization, and machine learning, capable of scaling to Big Data. No prior computer programming experience required. Examples will draw from the social sciences. This course may not be used to satisfy the upper division requirements of the Statistics honours, major, or minor programs. Prerequisite: 60 units in subjects outside of the Faculties of Science and Applied Science and one of STAT 201, STAT 203, STAT 205, STAT 270, BUS 232, ECON 233, or POL 201, with a minimum grade of C Corequisite: STAT 311. Students who have taken STAT 240, STAT 440, or any 200-level or higher CMPT course first may not then take this course for further credit. Quantitative.						
_	ND YEAR FOR CHANGES and year (please enter in					

RATIONALE (must be included)

Page 2 of 2

Prior to Fall 2019, Beedie and the Economics department jointly shared an introductory Statistics course: BUEC 232. In Fall 2019, Business took ownership of this course in the form of BUS 232. In Fall 2020, the Economics department introduced their own introductory statistics course: ECON 233. The Statistics and Actuarial Science department has assessed ECON 233 as an acceptable prerequisite for STAT 310.



COURSE SUI	ВЈЕСТ	STAT NUMBER	311	TITLE	Data Science Laboratory for the Social Sciences			
TYPE OF CHA	NGES. Pl	ease type 'X' for the ap	propriate rev	rision(s):				
Course number		Units		Prere	Prerequisite 🗵			
Title		Description	uivalent 🗌 ntement					
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). STAT 311 - Data Science Laboratory for the Social Sciences (2) A hands-on application of modern tools and methods for data acquisition, management, visualization, and machine learning, capable of scaling to Big Data. No prior computer programming experience required. Projects will draw from the social sciences and integrate application area insight into the analytic toolkit from STAT 310. This course may not be used to satisfy the upper division requirements of the Statistics honours, major, or minor programs. Prerequisite: 60 units in subjects outside of the Faculties of Science and Applied Science and one of STAT 201, STAT 203, STAT 205, STAT 270, BUS 232, ECON 233, or POL 201, with a minimum grade of C Corequisite: STAT 310. Students who have taken STAT 240, STAT 440, or any 200-level or higher CMPT course first may								
EFFECTIVE T	ERM ANI	urse for further credit. (D YEAR FOR CHANGES	<u> </u>					
Fall, Spring, St	ummer aı	nd year (please enter in	ı textbox)					

Page 2 of 2

RATIONALE (must be included)

Prior to Fall 2019, Beedie and the Economics department jointly shared an introductory Statistics course: BUEC 232. In Fall 2019, Business took ownership of this course in the form of BUS 232. In Fall 2020, the Economics department introduced their own introductory statistics course: ECON 233. The Statistics and Actuarial Science department has assessed ECON 233 as an acceptable prerequisite for STAT 311.

91 SENATE COMMITTEE ON UNDERGRADUATE STUDIES

COURSE SUB	JECT STA	T NUMBER	302	TITLE Analysis of Experimental and Observational Data				
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). STAT 302 - Analysis of Experimental and Observational Data (3) The standard techniques of multiple regression analysis, analysis of variance, and analysis of covariance, and their role in observational and experimental studies. This course may not be used to satisfy the upper division requirements of the following programs: Statistics major, Statistics honours, Actuarial Science major, and Actuarial Science honours. Prerequisite: One of STAT 201, STAT 203, STAT 205, STAT 270, or BUS 232, or ECON 233, with a minimum grade of C Students who have taken STAT 350 first may not then take this course for further credit. Quantitative.								
_		AR FOR CHANGES ar (please enter in						

Page 2 of 2

RATIONALE (must be included)

ECON 233 as an acceptable prerequisite for STAT 302.

Prior to Fall 2019, Beedie and the Economics department jointly shared an introductory Statistics course: BUEC 232. In Fall 2019, Business took ownership of this course in the form of BUS 232. In Fall 2020, the Economics department introduced their own introductory statistics course: ECON 233. The Statistics and Actuarial Science department has assessed

November 2016



COURSE SU	ВЈЕСТ	STAT	NUMBER	305	TITLE		iction to Biosta Is for Health S	
TYPE OF CHA	ANGES. P	lease type 'X	ζ' for the ap	propriate	revision(s):			
Course number		Un	nits		Prere	equisite	\boxtimes	
Title		De	escription		_	iivalent tement		
Intermedia concepts in confidence multiple 2x Logistic reg not be used Statistics m Science hor	d or new the endpose review se compose Secondo	rext using <u>u</u> bint of the text using <u>u</u> bint of the text the "Equivalents" if characters if characters and probable for means and odds ration dodds ration the upper contestics honour erequisite: O	nderline. If xt box to malency stater nging equivant to Biost to Biost nd proportion and regressios. Basic codivision requirs, Actuariane of STAT	ealth scie ing hypotions. Contion. Multipricepts in uirement al Science 201, STA	to enter morger, as it will rection under Litement(s). Al Methods nces. Review hesis testing, ingency table	of introdustination and modulysis. This ving proguetuarial 205, STAT	ealth uctory on and e analysis of odel selection. s course may grams:	
350 first market and a second	TERM AN	en take this o	course for fo	urther cre	edit. Quantitat	ive.		
Fall 2022		7 (4-3						

UNDERGRADUATE STUDIES Page 2 of 2

RATIONALE (must be included)

Prior to Fall 2019, Beedie and the Economics department jointly shared an introductory Statistics course: BUEC 232. In Fall 2019, Business took ownership of this course in the form of BUS 232. In Fall 2020, the Economics department introduced their own introductory statistics course: ECON 233. The Statistics and Actuarial Science department has assessed ECON 233 as an acceptable prerequisite for STAT 305.