

OFFICE OF THE ASSOCIATE VICE-PRESIDENT, ACADEMIC AND ASSOCIATE PROVOST

8888 University Drive,

TEL: 778.782.4636

avpcio@sfu.ca

Burnaby, BC

Canada V5A 1S6

FAX: 778.782.5876

www.sfu.ca/vpacademic

ATTENTION

MEMORANDUM

Senate

DATE

June 8, 2012

FROM

RE:

Bill Krane, Chair

PAGES

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Senate Committee on Undergraduate Studies AGES

Faculty of Applied Sciences

For information:

Acting under delegated authority at its meeting of June 7, 2012, SCUS approved the following curriculum revisions effective Spring 2013:

1. School of Engineering Science (SCUS 12-30)

(i) Prerequisite changes to ENSC 381, 426, 430, 470, 476, 495

B-Hum/sci

2. BSe Designation for ENSC 106 (SCUS 12-34)

Senators wishing to consult a more detailed report of curriculum revisions may do so by going to Docushare: https://docushare.sfu.ca/dsweb/View/Collection-12682
If you are unable to access the information, please call 778-782-3168 or email shelley_gair@sfu.ca.



FACULTY OF APPLIED SCIENCES

MEMO

Office of the Dean

ASB-9861 Applied Science Bldg

Tel: 778-782-4724 Fax: 778-782-5802

www.fas.sfu.ca

ATTENTION	Bill Krane, Chair SCUS
	Rob Cameron, Associate Dean,
FROM	Faculty of Applied Sciences
	Faculty of Applied Sciences
RE	Undergraduate Curriculum Changes
DATE	May 28, 2012

The following changes have been approved by the FAS Undergraduate Curriculum Committee and are appended here for approval by SCUS and recommendation to Senate.

Please note, that the Chinese DDP courses listed below have been jointly approved by the Undergraduate Curriculum Committees for both FAS and FASS. The courses are listed below for your reference, however the course proposals will be provided by the Faculty of Arts and Social Sciences and are not included in this package.

1. Chinese DDP courses:

Courses for non-heritage students: CHIN 180, 181, 280, 281, 182 Courses for heritage students: CHIN 190, 191, 290, 291

2. ENSC Pre-requisite Changes:

ENSC 381, ENSC 426, ENSC 430, ENSC 470, ENSC 476, ENSC 495



SENATE COMMITTEE ON UNDERGRADUATE STUDIES

COURSE CHANGE/DELETION

Existing Course, Changes Recommended								
Please check appropri	iate revision(s):							
Course number	Credit	Title		escription	X Prerequisite		Course	deletion
Indicate number of ho	ours for: Lecture	3	Seminar		Tutorial	1	Lab	1
FROM	ENOO 004			to				v
Course Number				Course N	lumber			
Credits (Units)	3			Credits (\	Jnits)			
TITLE								
(1) Long title for cale System Modeling a		no more than 100	O characters	including space	es and punctuation.			
(2) Short title for enro Sys Mod & SIM	ollment and transcri	pt, no more than	30 characte	rs including spa	nces and punctuation.			
DESCRIPTION				DESCRIP	TION			
Introduction to syst Application to engi mechanical, electric Allows the student uncomplicated man and construction of models that the student	neering systems i cal, thermal, and it to acquire, in a ti- iner, knowledge in dynamic models dent will design in	ncluding: fluid systems. me-efficient and n the formation The simulation n this course	n	No cha	nge.			
accommodate these realistic hypotheses			of	PREREQ	UISITE (new)			
PREREQUISITE (cu	rrent)			Prerequ	isite: ENSC 226, 2	281, 282.		
Prerequisite: ENS MATH 251,. Co-re	SC 226, 281, 28 equisite: PHYS	2, 283, 344.						
Rationale								
PHYS 344 was MATH 251 show The course Fluid	replaced with luld be removed Mechanics is	ENSC 388 in I as a prerequals also not requ	MSE cu uisite as uired for	irriculum. it is not dire ESNC 381.	ctly required by	ESNC 38	31	
Does this course replicourses? If so, this sh	ould be noted in t			e to such an ext	ent that students shoul	d not receiv	e credit f	for both
Effective term and year	J all 2013	SPA	いろい	2013				



SELATE COMMITTEE ON UNDURGRADUATE STUDIES

COURSE CHANGE/DELETION

EXISTING COURSE, CHANGES RECOMMENDED

Please check appropriate revision(s):	
Course number Credit Title Description	rerequisite Course deletion Learning Outcomes
Indicate number of hours for: Lecture Seminar	Lab
FROM ENSC 426-4	T0 Course Subject/Number
Credits	Credits
TITLE (1) LONG title for calendar and schedule, no more than 100 characters inc FROM:	luding spaces and punctuation. TO:
(2) SHORT title for enrollment and transcript, no more than 30 characters FROM:	including spaces and punctuation. TO:
DESCRIPTION FROM:	DESCRIPTION TO:
PREREQUISITE Does this course replicate the content of a previously approved course to sulf so, this should be noted in the prerequisite. Prerequisite: PHYS 221 or 321. LEARNING OUTCOMES	PREREQUISITE such an extent that students should not receive credit for both courses? Completion of 80 units including PHYS 221 or 321.
RATIONALE This course is designed for students at a 4th year allows 2nd year students to take the course.	level in engineering, but the existing prerequisite



SENATE COMMITTED ON UNDURGRADUATE STUDIES

COURSE CHANGE/DELETION

EXISTING COURSE, CHANGES RECOMMENDED

Please check appropriate revision(s):	
Course number Credit Title Description	Prerequisite Course deletion Learning Outcomes
Indicate number of hours for: Lecture Seminar	Tutorial Lab
FROM Course Subject/Number ENSC 430-3	TO Course Subject/Number
Credits	Credits
TITLE (1) LONG title for calendar and schedule, no more than 100 characters inc FROM:	luding spaces and punctuation. TO:
(2) SHORT title for enrollment and transcript, no more than 30 characters FROM:	including spaces and punctuation. TO:
DESCRIPTION FROM:	DESCRIPTION TO:
PREREQUISITE Does this course replicate the content of a previously approved course to su If so, this should be noted in the prerequisite. ENSC 226. Students with credit for ENSC 325 cannot complete this course for further credit LEARNING OUTCOMES	PREREQUISITE sich an extent that students should not receive credit for both courses? Completion of 80 units including ENSC 226. Students with credit for ENSC 325 cannot complete this course for further credit

RATIONALE

This course is designed for students at a 4th year level in engineering, but the existing prerequisite allows 2nd year students to take the course.



SLNATT COMMITTEE ON UNDERGRADUATE STUDIES

COURSE CHANGE/DELETION

EXISTING COURSE, CHANGES RECOMMENDED

Please check appropriate revision(s):	
Course number Credit Title Description	Prerequisite Course deletion Learning Outcomes
Indicate number of hours for: Lecture Seminar	Tutorial Lab
FROM Course Subject/Number ENSC 470-4	T0 Course Subject/Number
Credits	Credits
TITLE (1) LONG title for calendar and schedule, no more than 100 characters inc FROM:	cluding spaces and punctuation. TO:
(2) SHORT title for enrollment and transcript, no more than 30 characters FROM:	s including spaces and punctuation. TO:
DESCRIPTION FROM:	DESCRIPTION TO:
PREREQUISITE Does this course replicate the content of a previously approved course to sure of the prerequisite. FROM: PHYS 121 or 126 or 141, and MATH 310. LEARNING OUTCOMES	PREREQUISITE uch an extent that students should not receive credit for both courses? Completion of 80 units including PHYS 121 To: or 126 or 141, and MATH 310.
RATIONALE	

This course is designed for students at a 4th year level in engineering, but the existing prerequisite allows 2nd year students to take the course.



SENSIC COMMITTEE ON UNDERGRADUATE STUDIES

COURSE CHANGE/DELETION

EXISTING COURSE, CHANGES RECOMMENDED Please check appropriate revision(s): Course number Credit Title Description Prerequisite Course deletion Learning Outcomes Indicate number of hours for: Lecture ___ Seminar____ _____ Tutorial _____ Lab _____ FROM Course Subject/Number ENSC 476-4 TO Course Subject/Number _____ FROM Credits TITLE (1) LONG title for calendar and schedule, no more than 100 characters including spaces and punctuation. FROM: (2) SHORT title for enrollment and transcript, no more than 30 characters including spaces and punctuation. FROM: TO: DESCRIPTION DESCRIPTION FROM: TO: **PREREQUISITE** PREREQUISITE Does this course replicate the content of a previously approved course to such an extent that students should not receive credit for both courses? If so, this should be noted in the prerequisite. To: Completion of 80 units including PHYS 121 or 102 or 141. Recommended: ENSC 376 or PHYS 121 or 102 or 141. Recommended:

RATIONALE

LEARNING OUTCOMES

ENSC 376 or 470.

This course is designed for students at a 4th year level in engineering, but the existing prerequisite allows 2nd year students to take the course.



SENATE COMMITTEE ON UNDERGRADUSE: STUDIES

COURSE CHANGE/DELETION

EXISTING COURSE, CHANGES RECOMMENDED

Please check appropriate revision(s):	
Course number Credit Title Description	Prerequisite Course deletion Learning Outcomes
Indicate number of hours for: Lecture Seminar	Tutorial Lab
FROM Course Subject/Number ENSC 495-4	TO Course Subject/Number
Credits	Credits
TITLE (1) LONG title for calendar and schedule, no more than 100 characters inc FROM:	rluding spaces and punctuation. TO:
(2) SHORT title for enrollment and transcript, no more than 30 characters FROM:	including spaces and punctuation. TO:
DESCRIPTION FROM:	DESCRIPTION TO:
PREREQUISITE Does this course replicate the content of a previously approved course to sulf so, this should be noted in the prerequisite. ENSC 225 or 226, and permission of the instructor.	PREREQUISITE such an extent that students should not receive credit for both courses? To: Completion of 80 units including ENSC 225 or 226, and permission of the instructor.
LEARNING OUTCOMES	
RATIONALE This course is designed for students at a 4th year allows 2nd year students to take the course	level in engineering, but the existing prerequisite



UNIVERSITY CURRICULUM & INSTITUTIONAL LIAISON
OFFICE OF THE VICE PRESIDENT ACADEMIC AND PROVOST

MEMO

ADDRESS
8888 UNIVERSITY DRIVE
BURNABY BC V5A 1S6
CANADA

ATTENTION Jo Hinchliffe, Associate Registrar	TEL
FROM SUSAN RHODES, Assistant Director, University Institutional Liaison	Curriculum and
RE B-Hum/Sci designation for ENSC 106	
DATE June 6, 2012	TIME 3:45 PM

Please be advised that the University Curriculum Office has approved B-Hum/Sci designations for:

ENSC 106 Applied Science, Technology and Society

to be effective January 2013.

This course is equivalent to ENSC 100W (B-Hum/Sci) but offered at Surrey campus. Breadth designations were overlooked when W was approved for the companion co-requisite ENSC 105W, but are required for consistency. As this course is only offered annually, in the Spring term, expediting the application of the B designations is requested.

Cc: John Jones, Engineering Science Rob Cameron, Faculty of Applied Sciences