

SENATE COMMITTEE ON UNDERGRADUATE STUDIES

MINUTES

April 6, 2017 ~ 2:30 pm – 4:30 pm
STRAND HALL ROOM 3171

1. Approval of the Agenda

Under New Course Proposals: SEE 225 should be Fluid Mechanics.
The agenda was approved as amended

The Chair recommended the committee move New Programs with all pertaining new courses to the front of the agenda to be reviewed first before all other business.

2. Approval of the Minutes of March 2, 2017

There were minor editorial changes.
The minutes were approved as amended.

3. New Business

NEW COURSES

It was moved by K. Oldknow and seconded by S. Spector

“that SCUS approve under delegated authority and send to Senate for information the New Course Proposals:

- SEE 100-3, Engineering Graphics and Software for Design
- SEE 101W-3, Process, Form and Convention in Profession Genres with W designation
- SEE 110-3, Energy, Environment and Society
- SEE 111-4, Integrated Energy Solution (IES) I (Spring 2019)
- SEE 221-4, Statics and Mechanics of Materials (Summer 2019)
- SEE 222-3, Engineering Materials for Energy Systems (Spring 2020)
- SEE 224-3, Thermodynamics for Energy Engineering (Spring 2020)
- SEE 225-4, Sustainable Energy Engineering (Spring 2020)
- SEE 230-4, Electric Circuits (Summer 2019)
- SEE 231-4, Electronic Devices and Systems (Spring 2020)
- SEE 241-3, Measurement, Analysis, and Forecasting (Summer 2019)
- SEE 242-3, Computational Methods for Engineers (Spring 2020)
- SEE 251-3, Electric Machines and Energy Conversion (Spring 2020)
- SEE 290-3, Industrial Internship I (Spring 2019)
- SEE 294-3, Special Internship I (Spring 2019)
- SEE 300-3, The Business of Engineering (Summer 2021)
- SEE 310-4, Integrated Energy Solution (IES) II Summer 2020)
- SEE 324-3, Heat and Mass Transfer for Energy Engineering (Summer 2021)
- SEE 325-3, Mechanical Design and Finite Element Analysis (Summer 2021)
- SEE 331-4, Power Electronics (Summer 2020)
- SEE 332-3, Power Systems Analysis and Design (Summer 2021)
- SEE 333-3, Network and Communication Systems (Fall 2021)
- SEE 341-3, Signals and Systems (Summer 2020)
- SEE 342-4, Feedback Control Systems (Summer 2021)
- SEE 351-3, Bioprocess Engineering Systems (Summer 2021)
- SEE 352-3, Power Generation and Conversion (Summer 2021)
- SEE 354-3, Energy Storage (Summer 2021)
- SEE 390-3, Industrial Internship II (Spring 2019)
- SEE 394-3, Special Internship II (Spring 2019)
- SEE 402-2, Professional Engineering Ethics and Practice (Summer 2022)
- SEE 410W-3, Sustainable Energy Design Project I with W designation (Fall 2021)
- SEE 411-3, Sustainable Energy Systems Design Project (Spring 2022)
- SEE 460-3, Additive Manufacturing and Sustainable Design (Fall 2021)
- SEE 461-3, Electronics Manufacturing and Assembly (Fall 2021)
- SEE 462-3, Manufacturing Processes and Materials (Fall 2021)
- SEE 463-3, Embedded Computer Systems (Fall 2021)
- SEE 490-3, Industrial Internship III (Spring 2019)
- SEE 494-3, Special Internship III (Spring 2019) effective Spring 2018.”

CARRIED

NEW PROGRAMS

a. Faculty of Applied Sciences (SCUS 17-18)

1. Sustainable Energy Engineering

Motion 3

It was moved by K. Oldknow and seconded C. Lowenberger

“that SCUS approve and recommend to SCUP the Full Program Proposal for the Sustainable Energy Engineering Program.”

CARRIED

K. Oldknow gave an overview and background of this full program proposal from the approval and announcement of the new engineering building in Surrey to the considerable amount of collaboration, research and consultation work done with representatives from the existing schools in the Faculty of Applied Sciences, the Teaching and Learning Centre, and the assistance of two Canada Research Chairs. He added that the collaboration of all the interdisciplinary experts involved have made this program a thorough, well defined and unique program.

K. Oldknow thanked all the Faculties involved in particular C. Lowenberger for all his input and help with discussions regarding how Science might fit in the curriculum. C. Lowenberger and K. Oldknow are pleased with the ongoing working dialogue with Physics, Chemistry and Statistics to further tailor and shape courses while dealing with any overlap and teaching concerns.

P. Gallilee added that the Library is aware this is a draft report and at some point will need to discuss the resources and funding needed for this program once faculty are known.

K. Oldknow will draft a memo explaining that support and new resources are needed and will forward to J. Hinchliffe.

The SCUS members commended K. Oldknow and his faculty for the remarkable thoroughness and collaborative work that went into preparing this full program proposal.

b. Faculty of Education (SCUS 17-19)

Motion 4

It was moved by A. Chinnery and seconded by L. Legris

“that SCUS approve and recommend to SCUP the Notice of Intent: Adult, Youth and Community Literacy Education Minor (SCUP).”

DEFERRED

Anne gave a brief overview of this agenda item and members made comments and gave feedback.

A. Chinnery agreed to defer the item to the next meeting pending getting more information about the UBC program and consultations with First Nations Studies.

COURSE CHANGES (SCUS 17-13)

Motion 5

It was moved by C. Murray and seconded by S. Poyntz

“that SCUS approve under delegated authority and send to Senate for information the following course changes effective Spring 2018.”

CARRIED

a. Faculty of Applied Sciences

1. School of Mechatronic Systems Engineering

(i) Prerequisite change for MSE 223 and 321

b. Faculty of Education

(i) Prerequisite change for EDUC 343

(ii) Prerequisite change - Criminal Records Check for EDUC 475

c. Faculty of Environment

(i) Name, description, pre-requisite or equivalent changes to SD 201, REM/SD 281, REM/SD 381, SD 401, REM/SD 481, REM/SD 483, SD 491, SD 494 and SD 499

NEW COURSES CONT'D (SCUS 17-14)

a. Faculty of Applied Sciences (SCUS 17-14b)

1. School of Mechatronic Systems Engineering

Motion 6

It was moved by K. Oldknow and seconded by M. Lechner

“that SCUS approve under delegated authority and send to Senate for information the New Course Proposal: MSE 428-3, Design of Mechanisms effective Spring 2018.”

CARRIED

b. Beedie School of Business (SCUS 17-14c)

Motion 7

It was moved by S. Spector and seconded by K. Oldknow

“that SCUS approve under delegated authority and send to Senate for information the New Course Proposals:

- BUS 371-3, Critical Thinking in Business Practice
- BUS 470-3, Business Applications of Game Theory
- BUS 471-3, Strategic Decision Making
- BUS 479-3, Strategy Analysis Practicum effective Spring 2018.”

CARRIED

C. Murray announced that FASS is in the process of creating a new course proposal with a similar title and asked if Beedie would consider changing their title to Critical Thinking in Business Practice. S. Spector agreed and the motion was approved with the amended course title.

c. Faculty of Education (SCUS 17-14d)

Motion 8

It was moved by A. Chinnery and seconded by M. Lechner

“that SCUS approve under delegated authority and send to Senate f4(e)-2(nd)ss

“that SCUS approve under delegated authority and send to Senate for information the requirement changes to the Criminology Honours Program effective Spring 2018.”

CARRIED

2. School of International Studies (SCUS 17-15b)

Motion 11

It was moved by C. Murray and seconded by M. Lechner

“that SCUS approve under delegated authority and send to Senate for information the requirement changes to the International Studies Major, Honours, Minor and Joint Major programs e36 o.003 T .003 T .q0 0 6pri/MCID7(r)2(s)-6(M)-6006h .42

M CARRIED

J. Hinchliffe gave an overview of this agenda item and asked the members to forward any feedback, concerns and comments to her.

c. Appoint member to Calendar Committee – 2017-2019

S. Spector agreed to sit as the SCUS representative on the Calendar Committee for 2017-2019.

d. SCUS subcommittee

J. Hinchliffe explained that the mandate of this subcommittee was to review items brought forward to