

APPROVED MINUTES

University Wide Undergraduate Curriculum Committee

Tuesday, March 28, 2017

103 Humanities and Social Sciences Building

I. Call to Order

In attendance: Ali, Clewell, Cooper, Fair, Gessler, Greenawalt, Irani, Kleinman, Miller, Mocek, Pararai, Reilly, Racchini, Sechrist, and Wachter. Excused: Killam. Absent: Heck and Nicholas.

Guests: Hamidi, Hovan, Long, Numan, Tang.

II. On a Greenawalt/Mocek motion, the minutes from March 21, 2017 were approved.

II. Co-Chairs Report

- a. The Business Minor was accidentally left off of the list of Business programs with the change in the Liberal Studies Elective---this will be corrected on the March Senate Minutes.

III. Liberal Studies Committee Report

IV. Items for Review/Possible Action:

- a. 16-138b ENVE 101 Introduction to Environmental Engineering, new course
 - Catalog description: Introduces the principles of environmental engineering with specific focus on water pollution
 - Expand on student outcomes 2 and 4. They need to be measureable.
 - Fix typo in the rationale.
 - Suggest embedding ABET accreditation outcomes in outcomes of courses.
 - On an Ali/Clewell motion, the proposal was provisionally approved.
- b. 16-138c ENVE 201 Fluid Mechanics, new course
 - Correct prerequisites so MATH is all capped and Physics is PHYS
 - Catalog description: law should be laws; insert and before dimensional analysis.
 - Provide more examples as to how the assessment of the outcomes will be achieved.
 - In the rationale add an a before variety, and a the before water. Put in the course Prefixes and numbers and remove the “ around the titles.
 - On a Wachter/Pararai motion, the proposal was provisionally approved.
- c. 16-138d ENVE 211 Statics and Solid Mechanics, new course
 - Correct prerequisites so MATH is all capped and Physics is PHYS
 - Catalog description: add “and” between beams and statically.
 - Provide more examples as to how the assessment of the outcomes will be achieved.
 - Add periods in course outline. Remove space before “)” in outline after “Internal forces.”
 - On a Miller/Ali motion, the proposal was provisionally approved.
- d. 16-138e ENVE 311 Water Resources Engineering, new course
 - Switched course numbers for 301 and 311 in the meeting; titles stay the same.
 - Learning outcomes: remove “various” from two learning outcomes.
 - Expand on how the outcomes can be achieved.
 - Remove () in learning objectives. Use such as and include in learning objective.
 - In rationale, change 301 to 311, change analysis to “to analyze”, add “the” before environment, add “to” before calculate, and before pollution change the to “to examine”
 - On a Pararai/Fair motion, the proposal was provisionally approved.
- e. 16-138f ENVE 301 Environmental Aquatic Chemistry, new course
 - Switched course numbers for 301 and 311 in the meeting; titles stay the same.

- Capitalize CHEM in prerequisite.
 - In the last line of the catalog description add “a” before laboratory.
 - Remove duplicate numbering for labs list.
 - Learning objective 2: Suggest change to make more specific.
 - In the last line of the rationale add “understand” after to
 - On a Fair/Alf motion, the proposal was provisionally approved.
- f. 16-138g ENVE 461 Water and Wastewater Treatment, new course
- Change Waste Water to Wastewater in title and throughout proposal
 - Add L in BIOL in prerequisites.
 - In the 2nd sentence of the catalog description begin with “Explores design of” to remove future tense
 - Number learning objectives.
 - Learning objective #1: Interoperate water and wastewater parameters including...
 - Learning objective #3: remove “with the correct design”
 - Learning objective #4: reword “process combinations”
 - On a Cooper/Alf motion, the proposal was provisionally approved.
- g. 16-138h ENVE 471 Solid and Hazardous Waste Management, new course
- Examines rather than covers for the catalog description. Third sentence start with explores rather than covers. In the last sentence put covers at the beginning and end with waste.
 - Learning objectives #2 & 4: remove () and substitute with such as
 - In the rationale add “the” before necessary in the 1st sentence and change to to “of”
 - On a Pararai/Wachter motion, the proposal was provisionally approved.
- h. 16-138i ENVE 498 Environmental Engineering Design, new course
- Catalog description: Start with “Capstone experience ... project incorporating real-world clients.” Combining 1st and 2nd sentences.
 - Insert “a” before realistic in last sentence of catalog description.
 - Write out acronym in Learning objective 6.
 - On a Fair/Greenawalt motion, the proposal was provisionally approved.
- i. 16-138a Bachelor of Science in Environmental Engineering, new program
- Check on biology course.
 - Check on IFMG as a foreign language substitute (can do computer science instead of a foreign language)
 - Add matrix showing where the ABET outcomes are met in courses
 - The proposal was postponed so that proposers can discuss about the BIOL requirement

The meeting adjourned at 5:20 p.m.
Respectfully submitted by Justin Fair