

Samueli Engineering FEC Meeting
Draft Minutes
Dec 10th, 2021
10 a.m. – 12 noon
On Zoom

Attendees: Yoram Cohen (FEC Chair), Jayathi Murthy (Dean), Andrea Kasko (BIO), Irene Chen (CBE), David Jassby (C&EE), Gaurav Sant (C&EE), Alexander Sherstov (CS), Lixia Zhang (CS), Glenn Reinman (CS), Danijela Cabric (ECE), Rob Candler (ECE), Aydogan Ozcan (ECE), Qibing Pei (MatSc), M. Khalid Jawed (MAE), Neil Lin for Kunihiko Taira (MAE), Ted Iwasaki (MAE), Yurika Yamada, ESUC Student Rep., Jean Marques, EGSA Student Rep.

Absent: Chan Joshi, ECE

Guests: Richard Wesel (Associate Dean, Richard, Greg Pottie (ECE), Raffi Simonian, Bill Kaiser (ECE), Sophia Sangiorgio, BIO, and Lieven Vandenberghe (ECE)

FEC Coordinator: Myrna Reneau

Introduction of FEC Members

Draft Minutes of December 10, 2021

Motion to approve minutes of December 10, 2021

Approved unanimously

New Courses

BiOENGR Seminar Series:

BIOENGR 125L - Orthopaedic Biomedical Engineering, presented by Sophia Sangiorgio

BIOENGR 125, 125M, 125N, 125O presented by Andrea Kasko

Motion: to approve BIOENGR series

Approved unanimously

EC ENGR 190DA – Honors Thesis

ECE 190DB - presented by Greg Pottie

Motion to approve ECE 190DA/DB subject to formal documentation of how each ABET requirement of ECE capstone courses are met.

Approved Unanimously

ENGR 96C - Introduction to Robotic Control Systems

Presented by Bill Kaiser

Motion to approve ENGR 96C

Approved unanimously

ENGR 190 – Project- Based Technology Bootcamp for Social Impact

ENGR 190 - Presented by Raffi Simonian

Dean Wesel recommend that course change to Letter Grade option

Motion approved with revisions to include Grading Options, Letter Grade.

MECH&AE 252E – Data Science for Fluid Dynamics

Presented by Kunihiko Taira

Students will learn analysis and modeling techniques from data science and their applications to problems in fluid dynamics. In this course, students will undertake a project to gain a hands-on experience on applying data-driven techniques to solve fluid mechanics problems of their choice. Through class lectures and project presentations, students will become comfortable in utilizing the latest toolsets from data science to assist their endeavors in fluid mechanics.

Approved unanimously.

Revised Courses

Link for list of courses on Agenda on FEC website

Approved unanimously

ECE MS Program Requirement Revisions

Presented by Lieven Vandenberghe

The motivation for the change is as follows:

1. The proposal removes a discrepancy between the published program requirements and the practice followed by the Department. In the past, students have been allowed to advance to candidacy when their grade point average meets the 3.0 minimum GPA requirement.
2. We have observed that many MS students enroll in graduate courses only to drop one or more courses in the last week of the quarter. The current program requirement may have indirectly contributed to this practice. The proposed change will give an incentive for students to complete courses, even when they expect their grade may be below B.
3. The change will improve time-to-degree in the MS program.

Motion: To approve ECE MS Program Requirement Revisions

Approved unanimously

PNP Grading Options for 2021-2022 academic year Winter 2022 and Spring 2022

See Academic Senate memo dated November 23, 2021

RE: PNP Grading Options for Winter 2022 and Spring 2022 Per memo from UGC

The UGC voted to Extending Divisional flexibility for grading options in Winter 2022 and Spring 2022 as follows:

- 1) To extend the deadline for undergraduate students to change the grading basis of an optionally graded course, using MyUCLA without a petition, to Friday of Week 9. (Normally in Fall, Spring, and Winter, the deadline is Friday of Week 6; in Summer, the deadline is variable depending on the length of the course (3-week courses: Week 2; 6- week courses: Week 4; 8-week courses: Week 5; 9/10-week courses: Week 6).
- 2) To grant College and School FECs the authority to allow departments and IDPs to accept P/NP-graded courses toward major and minor requirements for Winter 2022 and Spring 2022.
- 3) To allow students to meet the College Writing I, Writing II, Diversity, and Quantitative Reasoning requirements by successfully completing qualifying classes on a P/NP basis for Winter 2022 and Spring 2022 The FEC should vote to confirm that for W22 and Sp22, it wants to continue our normal P/NP rules (which engineering reinstated for Fall 2021) as follows: - For Undergraduates <https://www.seasoasa.ucla.edu/deadlines-enrollment-policies-2/#passed-not-passed> -

For Graduate Students, subject to Department discretion

Engineer Degree

Presented by Yoram Cohen, FEC Chair

The Engineering Degree was established during the period in which the School of Engineering and Applied Science had a unified curricula. However, as Departments reverted to become independent in terms of their programs and their accreditation by ABET, Departmental Ph.D. Degrees became the norm in the School of Engineering. The Engineer Degree is essentially a “left over” from the early days and served the purpose of catering to those individuals who were still following the unified curricula as different departments were making the transition away from the unified curricula. While the intent was to phase out the Engineer Degree, it appears that this was not a top priority since there were very few students who actually followed this path. For example, during the period of 2014-2020 only three graduate students were awarded the Engineering Degree. Currently one student is enrolled in the MS&E department and will complete his requirements Fall 2021.

Engineer Degree FEC Vote

From Andrea Kasko to Everyone 12:02 PM

Motion: Discontinue ENGR degree effective Spring 2022

Motion approved unanimously

Hollistic Review Process in Graduate Division

For FEC to endorse Hollistic Review Process in Graduate Division
presented by Andrea Kasko (request a summary of presentation to include in Minutes)

Would like a voice of the FEC to endorse this

To institute more Hollistic Review across Engineering

then, Associate Dean Santos would send information along with a letter from FEC

Timeline: for it to be effective this year, the FEC would have to decide at this meeting.

For each department to review and look for a formal resolution at February 4 2022 meeting.

That FEC ask that each department carefully review this process.

If we are not producing a population that is not diversified

Meeting adjourned at after 12 noon