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**UC DAVIS**  
COLLEGE OF ENGINEERING

**COE Annual Faculty Meeting**  
**May 20, 2015**

# MEETING MINUTES

- UNIVERSITY OF CALIFORNIA, DAVIS  
VOLUME XXXVIII, NO. 3
- ACADEMIC SENATE
- MINUTES (posted to COE Intranet)
- REGULAR MEETING
- FACULTY OF THE COLLEGE OF ENGINEERING  
(DAVIS)
- May 20, 2015, 3:00 p.m., room 1065 Kemper Hall

# Order of Business

- 1. Announcements by the President, Janet Napolitano (none)
- 2. Announcements by the Chair, Niels Jensen
  - Presented by Marjorie Longo
    - Slides to follow

# Executive Committee Activities

- Reviewed three COE regulation bylaw changes proposed by UGEP.
- COE Distance Learning Program review.
- CHMS proposed separation into two departments.
- Reviewed UCD Faculty Equity Report.
- Prerequisite Enforcement System.
- UCD Core Research Facilities and Resources.

# Executive Committee Activities Cont.

- Proposed use of “Teaching Professor” as a working title.
- Grad Studies Policy Review – Leave Accommodations for Graduate Students.
- Laboratory Safety Issues – memo to EH&S
- Numerous Requests for Comment (RFCs) from Senate Office.

# ORDER OF BUSINESS

## 3. Announcements by Dean, Enrique J. Lavernia

Separate Presentation



# New Faculty since July 1, 2014

Gail Bornhorst – Biological and Agricultural Engineering

Jennifer Choi – Biomedical Engineering LPSOE

Miguel Jaller – Civil and Environmental Engineering

Yong Jae Lee – Computer Science

Cindy Rubio Gonzalez – Computer Science

Farhad Assadian – Mechanical and Aerospace Engineering

Zhaodan Kong – Mechanical and Aerospace Engineering

# Faculty Searches in Progress

- Open-Area Senior Faculty Member – ECE
- Department Chair – BME
- Immunoengineering – BME
- Water Resources/Irrigation – BAE
- Lecturer PSOE – MAE
- Lecturer PSOE – CEE
- Lecturer SOE – CS
- Lecturer PSOE – ChE
- Power Electronics – ECE
- Brain/Computer Interface – BME/MAE



# REPORTS FROM STANDING COMMITTEES

Committee on Student Recruitment, Development, and Welfare: Alissa Kendall, Chair

Report presented by Stavros Vougioukas

Committee on Undergraduate Educational Policy: Ben Shaw, Chair

Awards Committee, Bruce Hartsough: Chair

Report presented by Karl Levitt

# REPORTS CONTINUED....

Committee on Graduate Study:  
Kent Leach, Chair

Committee on Information Technology and Innovation Services:  
Mike Kleeman, Chair

Research and Library Committee:  
Brian Kolner, Chair  
Dawn Cheng, Presenter

# Programs/Outcomes of CoE Proposals Evaluated by CoE Research & Library Committee 2014-2015

Sponsor	Program	Status	Review Deadline	Sponsor Deadline	# of COE Pre- proposals	# of COE Nominees	Funded
W.M. Keck Foundation	Keck Foundation Programs	Closed	7/2/14	7/21/14	2	1	Not Funded
Pew Charitable Trust	Pew Scholars program in Biomedical Sciences	Closed	7/9/14	11/1/14	2	0	Pending
National Science Foundation	Partnership for Internal Research and Education	Closed	8/13/14	10/21/14	2	1	Pending
Kinship Foundation	Searle Scholars Program	Closed	8/20/14	9/26/14	0	0	Not funded
National Science Foundation	Science & Technology Centers- Integrative Partnership	Closed	9/10/14	12/11/14	2	2	Not funded/Not submitted
Rita Allen Foundation	Rita Allen Foundation-Scholars programs	Closed	12/2/14	1/23/15	2	0	Pending
National Science Foundation	Major Research Instrumentation	Closed	10/8/14	1/22/15	4	1	Pending
W.M. Keck Foundation	W.M. Keck Foundation Programs	Closed	12/10/14	1/9/15	1	1	Pending
Packard Foundation, David and Lucile	Packard Fellowship for Science and Engineering Programs	Closed	2/26/15	4/20/15	2	1	Pending
National Science Foundation	National Science Foundation Research Traineeship Program	Closed	3/25/15	5/6/15	2	2	Pending
W.M. Keck Foundation	W.M. Keck Foundation Programs	In Review	5/27/15	6/23/15	2		

# Order of Business continued...

4. Special orders (none)
5. Petitions of students (none)
6. Unfinished business (none)
7. New business: *Proposed Bylaw Changes*

# Proposed Bylaw Changes

- **Regulation 36(F)**
- **Regulation 36(G)**
- **Regulation 45(B)**

# COE Standing Committees 2015/16

## *EXECUTIVE COMMITTEE*

Mark Grismer, Chair	BAE
Michael Savageau	BME
Marjorie Longo/Sabyasachi Sen	CH/MS
Jason DeJong	CEE
Zhendong Su	CS
Anh-Vu Pham	ECE
TBD	MAE

# COE Standing Committees 2015/16

## ***COMMITTEE ON STUDENT RECRUITMENT, DEVELOPMENT AND WELFARE***

Julia Fan	BAE
Marc Facciotti	BME
Sangtae Kim/Robert Powell	CH/MS
Dawn Cheng	CEE
TBD	CS
Erkin Seker	ECE
Nesrin Sarigul-Klijn	MAE



# COE Standing Committees 2015/16

## ***COMMITTEE ON UNDERGRADUATE EDUCATIONAL POLICY***

Tina Jeoh	BAE
Tony Passerini	BME
Nael El-Farra/Ricardo Castro	CH/MS
Jeannie Darby	CEE
Phil Rogaway	CS
Soheil Ghiasi	ECE
Ben Shaw	MAE

# COE Standing Committees 2015/16

## ***AWARDS COMMITTEE***

Ruihong Zhang	BAE
Kathy Ferrara	BME
Spyros Tseregounis/Subhash Risbud	CH/MS
Michael Zhang	CEE
Karl Levitt	CS
Jerry Woodall	ECE
Stephen Robinson	MAE

# COE Standing Committees 2015/16

## ***RESEARCH & LIBRARY COMMITTEE***

Stavros Vougioukas	BAE
Vivek Srinivasan	BME
Pieter Stroeve/Sabyasachi Sen	CH/MS
Boris Jeremic	CEE
Yong Jae Lee	CS
Saif Islam	ECE
Francis Assadian	MAE

# COE Standing Committees 2014/15

## *COMMITTEE ON GRADUATE STUDY*

Niels Jensen	DAS
Shrini Upadhyaya	BAE
Kent Leach	BME
Yayoi Takamura/Adam Moule	CH/MS
Chris Cappa	CEE
John Harvey	TTP
Kwan-Liu Ma	CS
Raj Amirtharajah	ECE
Roger Davis	MAE

# COE Standing Committees 2015/16

## ***COMMITTEE FOR INFORMATION TECHNOLOGY & INNOVATIONS SERVICES***

David Slaughter	BAE
Yong Duan	BME
Roland Faller/Susan Gentry	CH/MS
Michael Kleeman, Chair	CEE
Matt Bishop	CS
John Owens	ECE
Roger Davis	MAE

# Meeting Minutes

- Annual Faculty meeting began at 3:10 p.m. and adjourned at 4:25 p.m.
- 41 COE Faculty members attended the meeting.
- On-line voting for proposed Bylaw changes was set up in ASIS for two week period beginning May 21<sup>st</sup>. All attending members of the annual faculty meeting voted in favor of the proposed changes. 86 members voted through ASIS, with the majority voting in favor of the proposed changes.

## **Student Recruitment, Development and Welfare Committee Summary Report 2014-2015**

Alissa Kendall, Chair, CEE

Sharon Aviran, BME

Stavros Vougioukas, BAE

Ron Olsson, CS

Erkin Seker, ECE

Nesrin Sarigul-Klijn, MAE

Jean VanderGheynst, Ex Officio, Assoc. Dean Graduate Education

Jean-Pierre Delplanque, Ex Officio, Assoc. Dean Undergraduate Studies

The SRDW Committee met two times and conducted the following business:

### **May 2015**

- A meeting was held to select the June 2015 student commencement speaker: Christy Turcios.
- The SRDW chair assisted in reviewing applications from the campus for the Provost's Undergraduate Fellowship (PUF) and student travel and research awards.

### **April 2015**

- A meeting was held to select the MS Ghausi College medalist after review of applications: Emily Iskin, Biological Systems Engineering.

### **March 2015**

- The SRDW chair assisted in reviewing applications from the campus for student travel and research awards.

### **November 2014**

- The SRDW chair assisted in reviewing applications from the campus for the Provost's Undergraduate Fellowship (PUF).



May 12, 2015

To: The Faculty of the College of Engineering

FR: Ben Shaw  
Chair, Undergraduate Educational Policy Committee (UGEPC)

RE: Annual report of the Undergraduate Educational Policy Committee, Spring 2015

The Undergraduate Committee on Educational Policy met 8 times during the 2014-2015 academic year, and will meet one more time before the end of the quarter (6/2/15). The following actions were taken by this committee:

**Dismissals:**

The Report on Dismissals for 2013-2014 will be presented at the June 2, 2015 meeting.

**Degree Lists:**

Received the degrees list for Spring 2014, Summer 2014, Fall 2014, Winter 2015 and Spring 2015. Draft degree lists are now provided at the beginning of the quarter for committee review, instead of when they are finalized, to give committee members a chance for input.

**College Composition Requirement**

Committee approved a regulation stating "A composition requirement composed of 4 units of lower division English composition and 4 units of upper division English composition, or its equivalent, as specified by the individual program." This wording is changed from the regulation sent AY2013-14, but not yet voted on by the faculty.

**Sample Transfer Grid:**

The transfer grid for community college transfer students was given to departments to revise to conform to course changes (to be approved at the 6/2/15 meeting).

**ENG GPA Clarification**

Committee approved Regulation 36(G) which states: "In addition to meeting the university scholarship requirement, College of Engineering students are required to maintain at least a 2.000 grade point average for all undergraduate course work within the College of Engineering at UC Davis."

**Change of Major Requirements for MAE Majors (Mechanical, Aerospace):**

Will request approval to continue exception to policy for one year for MAE majors to require a 2.8 GPA at June meeting.

**Change of Major Requirements for Biomedical Majors**

Will request approval to continue exception to policy for one year for Biomedical majors to require a 2.8 GPA at June meeting.

**New Courses, Changes and Cancellations:**

Reviewed and approved 23 new, changed, and cancelled courses.

New courses: EAE 10, EME 139, EME 164

**Curriculum Changes:**

Curriculum changes for the 2015-2016 academic year were approved for the following programs:

Biomedical Engineering  
Electrical & Computer Engineering  
Mechanical & Aerospace Engineering

Changes for the 2015-2016 academic year were approved for the following minors:

Construction Engineering & Management  
Sustainability in the Built Environment

Curriculum changes for the **2016-2017** academic year were approved for the following programs:

Biochemical & Chemical Engineering  
Civil Engineering  
Electrical & Computer Engineering

**The Committee reviewed student petitions as follows:**

Reviewed and approved 19 automatic exceptions to major requirements or policy

Reviewed 18 student change of major petitions. 10 were approved, 8 were denied

Reviewed 21 student petitions for exception to major requirements or policy. 11 were approved and 10 were denied.

Respectfully submitted,

T. Jeoh (BAE)  
T. Passerini (BME)  
N. El-Farra (CHMS)  
J. Darby (CEE)  
P. Rogaway (CS)  
S. Ghiasi (ECE)  
B. Shaw, Chair (MAE)

## **Graduate Study Committee**

### **Report to the Faculty**

AY 2014-2015

**Committee Members:** Raj Amitharajah, Roger Davis, John Harvey, Niels Jensen, Kent Leach (Chair), Frank Loge, Kwan-Liu Ma, Yayoi Takamura, Shrini Upadhyaya, Jean VanderGheynst (Associate Dean).

The Graduate Study Committee met and discussed the following items:

Graduate Student Admissions Survey. Mary Brown presented results on the Graduate Student Admissions Survey to committee members.

EUREKA! Received information from Greg Gibbs and Kelly Scott from the Development Office about the EUREKA! program, the College's opt-in student database that allows corporate sponsors to target specific student qualifications.

Unintended consequences of the incentive-based budget model. The committee discussed the impacts of the incentive-based budget model on graduate education.

Graduate Application Processing: Received information regarding severe bottlenecks in the graduate application process and began conversation with Graduate Studies about possible solutions.

Budget Model for Graduate Program: Discussed allocation of revenue from the MS Pilot program and new budget model. The committee decided funds should be used for (1) TA support for graduate courses and labs, (2) providing NRT for TOPS awardees, (3) travel awards, and (4) dissertation writing awards.

Campus review of graduate courses: Heard a concern from Electrical Engineering about long delays in the approval of graduate courses in the course approval system. Forwarded a letter of concern with a request for action to the College Executive Committee.

Veteran's Ally Training: Discussed President Napolitano's "Red, White and Blue" initiative and discussed College of Engineering training that would include faculty.

Scheduling changes for graduate courses: Eliminated the requirement for Dean's Office approval for graduate course scheduling changes.

Filing Fee Status Applications: Eliminated the requirement for Dean's signature on Filing Fee Status applications.

## REPORT OF THE AWARDS COMMITTEE

FY 2014/15

The committee met in early December to review committee workload for the academic year. Gloria Hayes, the campus coordinator for National and International Faculty Awards, met with committee members to discuss the various award opportunities for engineering faculty. She provided a list of approximately 150 awards. Committee members were asked to share this information with their respective department chairs and to encourage nominations. Gail Stroup, the College's event coordinator, reviewed the process for nomination of individuals for the Dean's Distinguished Lecture Series.

The committee met again in mid-March to review the eight nominations submitted from various departments for the Zuhair A. Munir Best Dissertation Award. The committee chose Jin Yong Oh (ECE) as the awardee, and selected Shaxun Chen (CS) for honorable mention.

The committee will meet again May 22nd to discuss nominees and recommend recipients for the four COE Faculty Awards.



May 18, 2015

Professor Enrique Lavernia  
Dean, College of Engineering

Dear Dean Lavernia:

As the Chair of COE's Research and Library Committee, I herewith provide you with a brief summary of the committee's activities during the academic year 2014-15. The other members of the committee are: Julia Fan (BAE), Marc Facciotti (BME), Pieter Stroeve (CHMS), Ilias Tagkopoulos (CS), Dawn Cheng (CEE) and Eke Fidelis (MAE). Jean VanderGheynst is the Ex-Officio member being the Associate Dean of Graduate Studies and Research.

In the table below, details on the program and outcomes on the COE proposals evaluated by the committee are provided. Each pre-proposal was evaluated by either two or three members of the committee.

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I also served as the COE representative on the Academic Senate Library Committee. The committee met four times this year. Topics covered by the Committee this year included 1) The [New UC Open Access Policy Proposal](#), 2) **Graduate Council's request for feedback on the Master's Entry Program in Nursing Proposal**, 3) Systemwide review of proposed revisions to Senate Bylaw 128.D.2, 4) Systemwide review of amendments to APM 360-Librarian Series and APM 210-4, 5) A proposal to establish a new graduate group and MS degree program in Environmental Policy and Management, 6) A proposal to establish a Graduate Group in Energy leading to both an M.S. and Ph.D. degree and 7) A proposal to dissolve the Health Science Library (HSL) Committee and create a School of Medicine School of Veterinary Medicine "Integrative HSL Resources & HSL Advisory Group".

If you have any questions or wish to seek clarifications, please do not hesitate to contact me.

Sincerely,  
Brian Kolner  
Professor

