Order of Business

1. Announcements by the President, Michael V. Drake (none)
2. Announcements by the FEC Chair, Niels Grønbech-Jensen
Executive Committee Activities

• Approved curriculum changes to several majors
• Discussed COE Teaching Buyout Policies (no changes recommended)
• Discussed and Nominated LSOE FPC Observer – 2022/2023 & 2023/2024
• Reviewed and/or responded to 14 requests for Consultation (RFCs) from Academic Senate:
  • Changes to APM 025
  • Entry Level Writing Requirement Task Force Report
  • Proposal to Discontinue Minor in Food Science Management
  • Presidential Policy on Vaccination Programs
  • Reference Check Program
  • Proposed Revisions to Presidential Policy on Sustainable Practices
  • Proposed Revisions to 380-90, Visiting Academic Collaborators
Executive Committee Activities (con’t)

• RFC’s (con’t):
  • Incentivizing Completion of Trainings for Academic Appointees
  • Pass/No Pass Deadline Proposal from ASUCD
  • Proposed Revisions to Presidential Policy on Inventions, Patents, and Innovation Transfer
  • Proposed to Establish a Major in Business
  • Proposed Revisions to APM 710, Leaves of Absence/Sick Leave/Medical Leave (pending)
  • Proposed Revisions to PPM 240-50, General Policy Regarding Human Research (pending)
  • Proposed Revisions to APM 210, Review and Appraisal Committees (pending)
  • 2023-2024 Salary Program Proposal (pending)

• Other topics addressed by FEC:
  • Selection and appointment of COE Standing Committees
  • Sabbatical submission dates
  • COACHE satisfaction survey results
  • Enhancing the communication between ITIS and FEC
FEC - Budget and planning

A very compressed process with little time for discussion and consultation

Concerns with (additional) budget issues revolve around
• Trickle-down budget reductions that inevitably land with education and faculty research programs – i.e., university’s core missions
• Potential impact on faculty discretionary resources
• Potential impact on graduate education
• Impact on new faculty hiring

Proposal to increase COE revenue: Expansion of MS and other Programs
FEC expressing support with expectations of, e.g.,
• Comprehensive market/cost/time analyses for development and execution
• Programs being of high quality
• Compatible with and complementing existing programs
• Support and templates from existing experiences
Order of Business (con’t)

4. Special orders (none)
5. Reports of Special Committees (none)
6. Reports of Standing Committees (slides to follow)
Reports from Standing Committees

Awards Committee
Zhiliang Fan, Chair

Committee on Information Technology and Innovation Services
Ambarish Kulkarni, Chair

Research and Library Committee
No chair
Reports from Standing Committees (con’t)

Committee on Student Recruitment, Development and Welfare
No chair

Committee on Graduate Study
Miguel Jaller, Chair

Committee on Undergraduate Educational Policy
Jason White, Chair
Reports from COE Awards Committee

Chair: Julia Fan

- The committee met twice this year.
- All awards nominations were due to the committee March 1st.
- Summary of award winners:

<table>
<thead>
<tr>
<th>Award</th>
<th>Winner</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gibeling Master’s Thesis</td>
<td>Patrick Negulescru</td>
</tr>
<tr>
<td>Munir Thesis</td>
<td>Shahin Shams</td>
</tr>
<tr>
<td>Outstanding Junior Faculty</td>
<td>Marina Radulaski</td>
</tr>
<tr>
<td>Outstanding Mid-Career Faculty</td>
<td>Alissa Kendall</td>
</tr>
<tr>
<td>Outstanding Senior Faculty</td>
<td>Kwan-Liu Ma</td>
</tr>
<tr>
<td>Outstanding Teaching</td>
<td>Joel Porquet</td>
</tr>
</tbody>
</table>
Reports from ITIS Committee

Chair: Ambarish Kulkarni

Committee Composition:
One representative from each department, Associate Dean of Research and Graduate Studies, Associate Dean of...

Committee Meetings:
Monthly throughout the year

Major Accomplishments (details on following slides)
High Performance Computing – Core Facility
IT Service Catalog
Major Security Incident – Fall 2022
Information Security Management Program (ISMP) – Required by IS-3
IS-3 Background
High Performance Computing – Core Facility

• High performance computing (HPC) is essential to the research of many groups within COE. The HPC Core Facility (HPCCF) under Office of Research serves as the primary maintainer of COE’s HPC1 and HPC2 clusters.
• This last year, COE IT staff have worked with the HPCCF team to add GPU and CPU capabilities to HPC2, expand software capabilities to make HPC2 functional for a wider range of researchers, and improve the security of college clusters.
• Significant time and energy were spent attempting to address the limited space, power, and cooling required for HPC and research server growth. COE server rooms are at or near capacity. The campus data center is at capacity. Concerns, impact, as well as short- and long-term options were discussed with leadership in Office of Research and IET. One expected outcome is a focused effort to quantify the capacity and usage of server room spaces across campus in AY2023-2024.

IT Service Catalog

• IT staff built on the prior work of the ITIS Committee to develop a detailed catalog of IT services required by the college.
• The draft service catalog includes availability (who can access when), how to access, expectations, and cost (where applicable).
• New college-wide services were added to the catalog to offset the burden of security compliance that often falls on researchers and faculty. The goal is to provide faculty with a way to comply with policy at no cost.
Reports from ITIS Committee

Major Security Incident – Fall 2022
- In Fall 2022, a research group server in COE was breached by a third party. The Chancellor’s Cabinet and Campus Counsel directed us to mail ~70 individual physical letters to impacted individuals.
- The cost of recovering from the breach and sending notifications exceeded $30k in staff time, a portion of which was paid by the Principal Investigator.

Information Security Management Program (ISMP) – Required by IS-3
- Background on IS-3 can be found in the last section of this report.
- From IS-3, “An Information Security Management Program (ISMP) is a fundamental requirement for protecting the confidentiality, integrity and availability of UC’s Institutional Information and IT Resources.”
- The ITIS Committee developed the COE ISMP based on a similar document established by another college at Davis. The committee worked to ensure security policy did not exceed IS-3 requirements and aligned with our unique needs.
- In essence, the document codifies IS-3 policy at the college level and describes college activities to secure data and systems. The intended audience are college leaders such as department chairs, CAOs, and directors of large research centers.
- Additional guidance is in development by ITIS that will target all faculty and staff in the college. This spring, a draft guidance document focused on student education records was shared by the Executive Director of IT at department faculty meetings.
IS-3 Background

- IS-3 ([https://policy.ucop.edu/doc/7000543/BFB-IS-3](https://policy.ucop.edu/doc/7000543/BFB-IS-3)) is the updated, system-wide security policy signed by President Napolitano on 9/7/2018. IS-3 shifts fiscal accountability for a security breach from UC and campus to "Units" represented by "Unit Heads". "Unit Heads" at UC Davis are Deans and Vice Chancellors.

- Per IS-3, "Units may bear some or all of UC’s direct costs that result from an Information Security Incident under the Unit’s area of responsibility if the Information Security Incident resulted from a significant failure of the Unit to comply with this policy" (IS-3 III.1.2). At a minimum, a breach that is covered by the UC cyber insurance programs would incur a deductible ranging from $20k to $100k, depending on the sensitivity of the breached data. Further, a "significant failure to comply [with IS-3 controls] may affect the Unit's or the Location’s ability to seek cyber insurance reimbursement" (IS-3 III.1.2.2).

- Many Units—academic units, in particular—are at a low level of compliance with campus IT security policy. Moreover, demonstrating compliance to the extent required for cyber insurance reimbursement goes beyond basic compliance, in which case Units may be responsible for all direct costs resulting from a breach. Significant IT security breaches have occurred within the past five years at universities similar to UC Davis, including UCSF, UCLA, UC Berkeley, and Georgia Tech. Given the frequency of breaches at similar institutions and the current state of IT security at UC Davis, it is not a matter of if but when the next significant breach will occur.
Summary of Recommendations from the Research & Library Committee

Chair: N/A

Committee Members: J. de Moura Bell (BAE); L. Marcu (BME); L. Kavvas (CEE); J. Wan (CML); J. Zhang (CS); J. Gu (ECE); S. Hong (MSE); I. Soltani (MAE); R. D’Souza (ex officio)

The Research and Library (R&L) Committee met once this year. The committee discussed the following:

1. Discussion of the Next Level Research Strategic Vision
   Committee members were advised of the Next Level Research strategic plan that has been developed by the Dean's Office. Committee members were asked to solicit feedback and share it with the Associate Dean for Research. Committee members deliberated on feedback on strategic investment opportunities.

2. Change in the recruitment of reviewers for limited submission funding opportunities
   The committee was advised that COE reviewers for relevant limited submission opportunities will be recruited on an ad hoc basis. The Associate Dean for Research will identify possible reviewers from COE based on their expertise relative to the funding opportunity.
Student Recruitment, Development and Welfare Committee

• Committee Membership: 1 member from each COE department
• Met twice this year
  • Reviewed proposals for the PUF
  • Voted on candidates for the Ghausi Medal
The Graduate Study Committee (GSC) met 6 times during the year. All meetings were held remotely via Zoom. The committee considered the following topics:

1. **Application and admission trends for Fall 2023**

   The committee discussed plans and outcomes for recruitment and admission events in winter and spring. The committee shared updates on the overall number of applications for graduate study each department received. In some cases, application and yield numbers for some programs are consistent with recent trends in the last 2 years. However, more than one graduate program reported a significant, and concerning, drop in application numbers. All programs have been engaged in long-term strategic planning to optimize the allocation of funding resources for graduate students.
2. Funding models to support graduate education

   Committee members sought to discuss the various funding sources that are available to support graduate education. Programs considered options for leveraging available sources. The discussion revealed that practices vary widely based on the need for TA support within a department or program, the research activity, and other operational factors. COE graduate programs execute a strategy to carefully align funds received from the college and central campus with robust use of academic employment positions, NRST buyouts, and work-study funding while simultaneously leveraging the variable funding streams predicted to be available via faculty research grants.

3. Recruitment Outlook

   Programs generally agreed that efforts to recruit our own UC Davis undergraduates for graduate study are generally sound, although the local context may be considered. The Dean’s Office will partner with graduate programs to sustain or grow the applicant pools from UC and CSU campuses as well as national lab partners.
Undergraduate Education Policy Committee (UGEP)

Chair: Jason White

• The UGEP Committee met 10 times during the 2022-2023 Academic Year. The following summarizes actions taken by this committee, in addition to items still pending or under consideration:
  
  • **Formal Actions Summary**
    • Recommended approval of the transfer of the Computer Science major to the College of Engineering to the FEC
    • 86 new and modified courses reviewed and acted upon
    • 42 student petitions reviewed and acted upon (v.s. 9 last AY)
    • Curriculum changes for 7 programs
      o Biochemical, Chemical, Civil, Materials Science, Electrical, Computer, Computer Science
    • Approved degree lists for fall 2022, winter 2023, and spring 2023
    • New Chair elected for 2023-2024 AY – Hussain Al-Aasad
  
  • **Major dialogue Highlights**
    • Unit Cap discussed and data presented to UGEP did not justify policy change according to the committee
    • P/NP for GE limit
    • Temporary Instructor Training
    • Ongoing conversation about minimum gpa to change into a CoE major
    • How I grades are handled across the college
    • Education needed annually on how faculty navigate SDC student accommodations
Order of Business (con’t)

7. Petitions of students (none)
8. Unfinished business (none)
9. New Business (none)
COE Standing Committees 2023-24

Awards Committee

Zhiliang Fan  BAE
Cheemeng Tan  BME
Sashi Kunnath  CEE
TBD  CHE
TBD  CS
Jerry Woodall  ECE
Mohamed Hafez  MAE
Yayoi Takamura  MSE
COE Standing Committees 2023-24

Faculty Executive Committee

Stavros Vougioukas   BAE
Angie Louie           BME
Michael Kleeman       CEE
TBD                   CHE
Patrice Koehl         CS
Erkin Seker           ECE
Sanjay Joshi          MAE
Marina Leite          MSE
COE Standing Committees 2023-24

Committee on Graduate Studies

Tina Jeoh  BAE
Blaine Christensen  BME
Miguel Jaller  CEE
TBD  CHE
Susan Handy  TTP
Michael Neff  CS
Lifeng Lai  ECE
Paul Erickson  MAE
Jeremy Mason  MSE
COE Standing Committees 2023-24
Committee for Information Technology & Innovation Services

Andre Daccache  BAE
Leonor Saiz       BME
Boris Jeremic    CEE
Ambarish Kulkarni CHE
Jason Lowe-Power  CS
Houman Homayoun   ECE
Shima Nazari      MAE
Jeremy Mason      MSE
## COE Standing Committees 2023-24

**Research & Library Committee**

<table>
<thead>
<tr>
<th>Name</th>
<th>Department</th>
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<tbody>
<tr>
<td>Juliana de Moura-Bell</td>
<td>BAE</td>
</tr>
<tr>
<td>Laura Marcu</td>
<td>BME</td>
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<tr>
<td>Michael Zhang</td>
<td>CEE</td>
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<tr>
<td>TBD</td>
<td>CHE</td>
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<tr>
<td>Mohamad Sadoghi</td>
<td>CS</td>
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<tr>
<td>Jane Gu</td>
<td>ECE</td>
</tr>
<tr>
<td>Xinfan Lin</td>
<td>MAE</td>
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<tr>
<td>Seung Sae Hong</td>
<td>MSE</td>
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</table>
# COE Standing Committees 2023-24

**Committee on Student Recruitment, Development & Welfare**

<table>
<thead>
<tr>
<th>Member</th>
<th>Department</th>
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<tbody>
<tr>
<td>Gail Bornhorst</td>
<td>BAE</td>
</tr>
<tr>
<td>Marc Facciotti</td>
<td>BME</td>
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<tr>
<td>Jackie Pena</td>
<td>CEE</td>
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<tr>
<td>Joel Porquet</td>
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<tr>
<td>Marina Radulaski</td>
<td>ECE</td>
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<tr>
<td>Christina Harvey</td>
<td>MAE</td>
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<tr>
<td>Amir Saeidi</td>
<td>MSE</td>
</tr>
</tbody>
</table>
COE Standing Committees 2023-24

Committee on Undergraduate Educational Policy

Stavros Vougioukas  BAE
Jen Choi  BME
Colleen Bronner  CEE
TBD  CHE
Chris Nitta  CS
Hussain Al-Asaad  ECE
Valeria La Saponara  MAE
Susan Gentry  MSE