CBS Faculty Annual Meeting
Tuesday June 4, 2019
1:10-2:30 pm
LS 1022

Agenda

1. Report from the FEC
   Neelima Sinha/Karen Zito

2. Reports from standing committees:
   a. Undergraduate Curriculum and Educational Policy
      Jochen Ditterich
   b. Undergraduate Awards
      Julin Maloof (or alternate)
   c. Graduate Awards
      Tom Hahn

3. Remarks by the Dean
   Mark Winey

4. 2019-20 Faculty Teaching Award
   Aldrin Gomes/Mark Winey

5. 2019-20 Faculty Research Award
   Stacey Combes/Mark Winey

6. FEC Nominees 2019-20
   Neelima Sinha

7. Concluding remarks
   Neelima Sinha
Report from the Faculty Executive Committee

**FEC 2019-2020**

Neelima Sinha, Chair
Karen Zito, Vice-Chair
David Begun, EVE
Walter Leal, MCB
Neil Hunter, MMG
Karen Ryan, NPB
Bo Liu, PLB
Sebastien Schreiber, At Large
Stacey Combes, At Large

Administrative Support:
Marianne Mendez, Executive Analyst to the Dean
Report from the Faculty Executive Committee

Academic Senate-related activities:
  • Requests For Consultation (RFC) (~22)
  • Step Plus Review
  • UC President search and UC Davis Provost search
  • Diversity statements
  • Requirement of SAT for admissions
  • COVID-19 CAP policy on advancement

CBS Curricular Issues:
  • Systems and Synthetic Biology (SSB) Major (approved; at AS)
  • COVID-19 response (remote teaching, P/NP issue, etc.)
  • BIS Major review – Stacey Harmer and Dave Wilson
Core curriculum committee

- Charged with evaluating BIS 2ABC and 101-105
- Develop surveys to gather responses from students, core instructors and “downstream” instructors
- Committee was composed of internal and external members
- Students: 17% (1300 recent graduates from within and outside CBS were polled)
  - Largest number of respondents were from BMB (very low response rates from other CBS majors), then Animal Science, Psychology, Biomedical Engineering (see next slide)
- Core course instructors: 42% (47 polled)
- ‘Downstream’ course instructors: 23% (289 polled)
Most student respondents took the BIS2 series and BIS 101

Courses taken by respondents

Fig. 1 Number of student respondents who took each BIS core class.

Distributions of students by major

Fig. 2. Number of students from each major responding to poll.
Students and CBS core instructors felt the core courses prepared them moderately well or better

**Students self-assessment**

* 92% of CBS students, but only 55% of non-CBS students, felt the core courses prepared them moderately well or better for upper division courses in their major.

**BIS core instructor assessment**

* Of instructors citing deficiencies, 47% singled out insufficient chemistry preparation (13% biology, 7% math)

---

**Fig 4.** Student responses to “How well did BIS core courses prepare you for upper division courses in your major”.

**Fig 5** BIS instructor responses to the question “In general, are students adequately prepared for your class?”.
Downstream instructors generally feel the BIS core classes prepare students well for their courses

* Of the 68 faculty who responded, 70% teach CBS class and 30% teach non-CBS classes
How could our core courses be improved?

Coordination of material between different course offerings

*Degree of coordination appears to vary across courses. This issue was frequently raised in student comments as well.
How could our core courses be improved?

Topical coverage

* Some students want more physiology, microbiology

* Some core instructors want more physiology, cell biology, plant biology
Committee findings

- Overall, most students and faculty find core courses are serving students moderately well or better

- Our recommendation for improvement include:
  - Standardize core course curricula and increase consistency
    - Keep leaders of core courses current
    - Core course instructors should share syllabi, course objectives, and grading schemes with each other
    - Make course objectives widely accessible (students and faculty) and share syllabi at least with downstream instructors
  - Assess whether new introductory chemistry courses better prepare students for core courses

- Wide range of faculty and student opinions on topical coverage of the CBS core courses
  - Suggestions including more physiology, microbiology, cell biology, plant biology, calls to increase efforts to promote critical thinking and quantitative/computational/modeling approaches

- We suggest a committee of stakeholders from within and outside CBS be formed to review and recommend possible curricular changes to the upper and lower division core series.
THANKS

• Julie Evans, BASC
• Theresa Costa, Academic Senate
• Paul Hawley, CBS Dean’s office
• Committee members
Report from the Faculty Executive Committee

Additional Issues:

• Elsevier negotiations
• Textbook/bookstore fee structure for undergraduates
• Naming LSA after Mel Green
• CBS modification of APM 715 Leave of absence policy (Ted Powers)
• CBS Dean’s Circle Undergraduate Summer Undergraduate Research Program (Gregg Recanzone)
• CBS Budget issues and annual budget meeting with the Provost
Committee on Undergraduate Curriculum and Educational Policy (CUCEP)

CUCEP 2019-2020

Jochen Ditterich, Chair

David Begun, EVE
Ken Kaplan, MCB
Mitch Singer, MMG
Natalia Caporale and Erwin Bautista, NPB
Steve Theg, PLB

Lesilee Rose, BIS

Michele Igo (ex officio)

Jennifer Doan (BASC staff)
Committee on Undergraduate Curriculum and Educational Policy (CUCEP)

Summary of Actions:

• New majors:
  • Systems and Synthetic Biology Major (approved)
  • Quantitative Biology Major (discussion will start in June)
• 2 new courses (all approved)
• 8 course modifications (7 approved, 1 declined based on provided justification)
• Degree requirement modifications (a.k.a. catalog updates) for 6 majors and 4 minors (all approved)
Committee:

Julin Maloof (Chair; PLB)
Mitch Singer (MMG)
Richard McKenney (MCB)
Johanna Schmitt (EVE)
William Debello (NPB)
Travel Awards:

Fall: 7 applicants, all funded
Winter: 5 applicants, all funded
Spring: Cancelled (Covid-19)
Provost’s Undergraduate Fellowship:

Fall: 16 applicants, 9 awarded

Spring: 17 applicants, 10 awarded
Undergraduate Honors and Award Committee

Baskin Research Award (42 applicants):

**Wai Lone Ho** (Eduardo Silva’s Lab)

**Caroline Liu** (Eleonora Grandi’s Lab)
CBS Distinguished Scholar (formerly College Citation)

49 applicants
42 awards given
Undergraduate Honors and Award Committee

Reviewed 25 applicants for:

Nomination for University Medal
  Wai Lone Ho nominated but not selected

College Medal:
  Wai Lone Ho

Undergraduate Students of the Year:
  Tara Shahrvini
  Caroline Liu
Committee on Graduate Awards

Tom Hahn, Chair (ANB)

Siobhan Brady (GPBI, BMCDB, IGG)

Aldrin Gomes (BMCDB)

Veronica Martinez-Cerdeno (MCIP)

Wil Joiner (Neuroscience)

Dan Runcie (Biophysics)

Susan Lott (Pop Bio)
CBS Graduate Awards 2020

CBS Dean’s Mentorship Award:
Britt Yazel, Neuroscience
Yulong Liu, BMCDB
Eric Tymstra, Ecology

Loren D. Carlson Prize in Physiology:
Jacopo Di Lucente, MCIP
Maryam Moshref, MCIP

Eric and Louise Conn Graduate Student Award in Plant Biochemistry:
Peter Lynagh, Plant Biology

Richard G. Coss Wildlife Research Award:
Allison Lau, Animal Behavior (main award)
Karli Chudeau, Animal Behavior (runner up)
Jon Carter Loftus, Animal Behavior (runner up)
Carly Hawkins, Animal Behavior (runner up)

Irving I. Hertzendorf Memorial Award in Physiology:
Aki Chaffin, MCIP

Barbara Horwitz & John Horowitz Molecular, Cellular and Integrative Physiology Award:
Anna Adhikari, MCIP
Chidera Alim, MCIP
Aki Chaffin, MCIP
Maryam Moshref, MCIP

Monsanto Endowed Student Fund in Agricultural Biotechnology Award:
Maria Anleu Gil, Plant Biology

Sharon Gray Memorial Award:
Victoria Farrar, Animal Behavior Graduate Student
Ana-Begoña Molina Gil, Animal Science Undergraduate Student
# CBS FEC Nominations for 2019-2020

<table>
<thead>
<tr>
<th>FEC 2019-2020</th>
<th>FEC 2020-2021</th>
</tr>
</thead>
<tbody>
<tr>
<td>*Neelima Sinha, Chair</td>
<td>Karen Zito, Chair</td>
</tr>
<tr>
<td>*Karen Zito, Vice-Chair</td>
<td>(open), Vice-Chair</td>
</tr>
<tr>
<td>David Begun, EVE</td>
<td>David Begun, EVE</td>
</tr>
<tr>
<td>Walter Leal*, MCB</td>
<td>Walter Leal, MCB (reappointed)</td>
</tr>
<tr>
<td>Neil Hunter, MMG</td>
<td>Neil Hunter, MMG</td>
</tr>
<tr>
<td>Karen Ryan, NPB</td>
<td>Karen Ryan, NPB</td>
</tr>
<tr>
<td>Bo Liu*, PLB</td>
<td>Julin Maloof, PLB</td>
</tr>
<tr>
<td>Sebastian Schreiber, At Large</td>
<td>Sebastian Schreiber, At Large</td>
</tr>
<tr>
<td>Stacey Combes, At Large</td>
<td>Stacey Combes, At Large</td>
</tr>
<tr>
<td>*appointments end</td>
<td></td>
</tr>
</tbody>
</table>

Nominations:

**Vice Chair:** Artyom Kopp, EVE
Thank you to all committee members & you for your attendance