Thursday, April 30, 2020
3:30 – 5:00 p.m.
Zoom Videoconference

ORDER OF BUSINESS

1. **Academic Senate Awards Presentation**
   Committee on Faculty Welfare, Academic Freedom and Awards
   - Faculty Diversity Award
   - Outstanding Teaching Assistant Awards
   - Graduate Mentorship Awards
   - Distinguished Teaching Awards
   - Faculty Research Lecturer

2. Announcements by the Chancellor

3. Announcements by the Chair

4. Special Orders –
   - Consent Calendar
     - Minutes of the March 12 meeting (attachment 1)

5. Reports of Special Committees

6. Reports of Standing Committees
   - Committee on Rules, Jurisdiction, and Elections
     - Proposed revision of Senate Regulation 235. A. 2 – Quarterly Honors (Attachment 2)
   - Undergraduate Council
     - Simple Name Change from “BS in Mathematical Sciences” to “BS in Applied Mathematics” (Attachment 3)

7. Petitions of Students - None

8. Unfinished Business - None

9. University and Faculty Welfare - None

10. New Business
The Faculty Legislature of the Santa Barbara Division met via Zoom teleconference at 3:30 p.m. on Thursday, March 12, 2020, with Chair Henning Bohn presiding. 37 voting members, 3 ex-officio members, and other interested parties attended the meeting.

Announcements by the Chancellor (from the slides presented)

Thank you to Senate Chair Henning Bohn and to all of our faculty colleagues for your commitment to shared governance.


- Transition to remote instruction for the remainder of winter quarter and the start of spring quarter through at least the end of April
- Deadline for winter grades extended by one week to 11:59 pm Tuesday March 31
- Advise students not to return to campus if they travel over spring break
- Campus open and operational
- Recommend against all non-essential business travel, international and domestic, for campus employees through the end of April
- Recommend that campus groups strongly consider postponing, canceling, or rescheduling crowded non-campus events
- Urge managers to use maximum flexibility in working with members of our staff in order to address challenges caused by COVID-19

Thank you to our faculty for your understanding and your partnership in helping to protect the health, safety, and well-being of our community!

Transitions on Campus

UC Santa Barbara Foundation Update. After nearly 30 years at UC, Beverly Colgate will be transitioning from her role as Associate Vice Chancellor for Development and Executive Director of the Foundation. Her new role will focus on providing leadership for our planning efforts around our next major fundraising endeavor/campaign. Thanks to Chris Pizzinat for providing interim leadership. Christian Treitler has been appointed Chief Financial Officer for the Foundation.
Office of Black Student Development. Dr. Dahlia Hylton joined our campus in January as Director of our new Office of Black Student Development. Dr. Hylton, who holds a Doctor of Philosophy in Educational Administration from Auburn University, previously served as Director for the Office of Multicultural Affairs at Lehigh University in Pennsylvania.

**Student Updates**

UCSB Decision Day will be Tuesday, March 17, 2020

**Fall 2020 Enrollment Estimates**
- 90,944 first-year applicants
  - California: 4,090
  - Non-Residents: 950
  - Total: 5,040
- 18,929 transfer applicants
  Anticipated fall enrollment:
  - California: 2,070
  - Non-Residents: 285
  - Total: 2,355

<table>
<thead>
<tr>
<th>Region</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>New York</td>
<td>March 1</td>
</tr>
<tr>
<td>San Jose</td>
<td>March 7</td>
</tr>
<tr>
<td>Orange County</td>
<td>March 14</td>
</tr>
<tr>
<td>Los Angeles</td>
<td>March 15</td>
</tr>
</tbody>
</table>

Given the cancellation of several California Receptions due to COVID-19 precautions, Admissions is working on plans for online events, social media campaigns, virtual tours, and new videos to targeted audiences.


Campus Updates and Highlights

Graduate Students. Our graduate students are an integral part of our community, and their contributions are indispensable to fulfilling our mission of teaching, research, and service. Regarding the concerns and demands of our students, I have been meeting with:

- Graduate and undergraduate students
- Academic Deans, Department Chairs, and Faculty
- Dean of the Graduate Division
- Vice-Chancellor for Student Affairs
- Academic, Housing, and Budget and Planning administrators

We recognize the challenges and pressures that our graduate students face, especially those related to housing.

We are committed to working collaboratively, and with UCOP, to find solutions that address their concerns.

Standardized Testing Report. On February 3, UC Academic Council’s Standardized Testing Task Force released a report recommending the continued use of SAT and ACT as an admission requirement for now. UC Board of Regents is set to vote on the issue in May.

Diversity Rankings. UC Santa Barbara is “one of the 20 most diverse colleges in the United States,” according to U.S. Department of Education data published by 24/7 Wall St. on February 13, 2020. UC Santa Barbara ranks among the top 10 for share of Pell Grant recipients (36%), according to a February 19, 2020, report by the national American Talent Initiative to enroll more low-and-moderate-income students across the U.S. by 2025.

2020 Award for the Industrial Application of Science. Nobel Laureate Shuji Nakamura receives the National Academy of Science award, which “recognizes applications in industry of significant achievements in sciences.”

LED Patent Lawsuit. “Filament” LED technology was developed and patented by Solid State Lighting and Energy Electronics Center led by Nobel Laureate Shugi Nakamura. This is the technology used in today’s “Edison” Led bulbs with glowing filaments visible inside glass bulbs.

LED Patent Lawsuit:

- 2019 sales for “Edison” bulbs are project to exceed $1 billion
- UC Santa Barbara has engaged in a “first-of-its-kind university-led effort” to
prosecute patent rights by suing retailers (Amazon, Walmart, Target, Ikea, and Bed Bath and Beyond) for damages in the U.S. District Courts AND requesting that the International Trade Commission investigate the retailers’ conduct in importing products that violate U.S. patents.

- Should the ITC rule favorably on this complaint, it would have downstream impacts on any retailer importing products that violate U.S. patents.
- To date, 12 retailers have negotiated license agreements and dozens of others are in the works.

2020 Cox-Johnson-Frazier Award. Professor of Black Studies Vilna Bashi Treitler receives an award from the American Sociological Association in recognition of her “service to social justice, with an eye toward advancing the status of disadvantaged populations.” Her book “The Ethnic Project” has also been named to the Zora Canon, a list of the 100 best books ever written by an African American woman.

Optical Society of America C.E.K. Mess Medal. Professor of Electrical and Computer Engineering Daniel Blummenthal is honored for his innovations in ultra low-loss photonic integrated circuits and their applications.

C.R. Rao Lifetime Achievement Award. Distinguished Professor of Statistics S. Rao Jammalamadaka receives an award from the Indian Society for Probability and Statistics “for his pioneering contributions to statistical theory and applications.”

Outstanding Trainer Award. GGSE Professor of Counseling, Clinical, and School Psychology Shane Jimerson receives the 2020 Trainers of School Psychologists Outstanding Trainer Award, recognizing his outstanding research and scholarship in the field of school psychology.

NSF Early Career Award. Assistant Professor of Mechanical Engineering Elliot Hawkes is awarded $60,000 to design new robots for potential life-saving applications.

NEH Faculty Fellowship. Assistant Professor of Film and Media Studies Mona Damluji receives a $60,000 award for her book project “Pipeline Cinema” on the nexus of cinema culture and the oil industry.

2020 UCSB Reads. On January 14, we helped hand out to our students free copies of “Rising: Dispatches from the New American Shore.”

Announcements by the Chair

Chair Bohn noted the need to hold today’s meeting via Zoom, given the current state of emergency, and predicted the likelihood that Zoom will soon become the temporary norm for Senate meetings. He reported on personnel transitions at the Office of the President, the February Academic Council meeting, and local campus concerns. He
stressed the importance of shared government at the time.

- The Chancellor’s COVID-19 Working Group has met several times to plan a response to the pandemic and will continue meeting as long as needed. The Chancellor has announced to the campus community that instruction will be delivered remotely for the time being and the deadline for winter grades has been extended. The Senate recognizes the imposition this has placed on faculty and students and appreciates everyone’s best efforts.
- The General Obligation Bond Measure failed in the recent election. COVID-19 is expected to have significant impacts on the State budget, and we’ll have to where and see where we stand when the May revise is announced.
- The proposal to increase tuition based on a cohort model is on the agenda for the April Regents meeting.
- The Report of the Standardized Testing Task Force (STTF), which is currently under review at the campus level, provides a detailed analysis that refutes the premise of the Regents’ recommendation to discontinue use of the SAT/ACT exams in the UC admissions process. The Academic Senate Assembly will make a recommendation at the culmination of the ongoing review.
- The Assembly had its first in-person meeting since 2014 in February of this year in response to concerns about the effectiveness of conducting these meetings via Zoom. The Assembly will hold one in-person meeting per year going forward.
- The UC Presidential Search continues. A resolution passed by the Academic Council was forwarded to the Regents conveying concerns that, as Chair of Academic Advisory Committee, Kum-Kum Bhavnani has not been included in the search process to the extent expected.
- President Napolitano presented to Academic Council a list of items she plans to complete before vacating her position. Provost Michael Brown talked about graduate student life to the Regents.

Consent Calendar

Minutes of the January 9, 2020 meeting

Motion: To approve the Consent Calendar.

The motion was seconded and approved by a 40-3-0 vote.

Reports of Standing Committees

Committee on Rules, Jurisdiction and Elections

Action item #1:

Parliamentarian Chuck Akeman presented the report of the Committee on Rules, Jurisdiction and Elections (RJE) regarding the results of this year’s Senate election.
Nominations were sought to fill positions for Divisional Chair, three Senate Assembly Representatives, and four members of the Committee on Committees. The results are as follows:

**Divisional Chair**

Susannah Scott (Chemical Engineering)

Five Senate members were nominated for the position of Divisional Chair; two nominations were declined. Three candidates accepted nominations and received the requisite five endorsements. A ballot was conducted over the period from February 19 through March 4, 2020 with the following results.

Eric Matthys (Mechanical Engineering) - 13.91% (48 votes)
Susannah Scott (Chemical Engineering) - 57.97% (200 votes)
Jianwen Su (Computer Science) - 28.12% (97 votes)
Total Votes - 345 (26.34)

**Assembly Representatives**

Two candidates were nominated to fill the three Assembly Representative positions; one declined to accept. The remaining candidate accepted nomination and received the requisite five endorsements.

Isabel Bayrakdarian (Music)

Because there was only one viable candidate for the three open positions, a ballot was not conducted following the nomination period.

**Committee on Committees**

Four candidates were nominated for membership on the Committee on Committees; one declined to accept.

The following candidates accepted nominations and received the requisite number of endorsements.

<table>
<thead>
<tr>
<th>Jean-Pierre Fouque (Statistics and Applied Probability)</th>
<th>Area A: College of Letters and Science Mathematical, Life, and Physical Sciences Division and Donald Bren School of Environmental Science and Management</th>
</tr>
</thead>
</table>
Because there was only one nominee each in Areas A, C, and D, a ballot was not conducted for these positions. As there were no faculty nominations for the position in Area B (College of Letters and Science Social Sciences Division and Gevirtz Graduate School of Education), this position will be filled by the Committee on Committees in accord with Divisional Bylaw 90.C11.

Regarding all of the positions noted above for which there are no more nominees than vacancies, per Divisional Bylaw 195.E6, further nominations may be submitted from the floor. Such a nomination must be seconded by an elected member of the Faculty Legislature; further, the nominee must immediately accept the nomination, either in person or via a signed memo presented by the nominator. If a nomination is seconded and accepted, a ballot for the position will be distributed within the next ten days. If there are no new nominations for a position, acceptance of this election report by the Faculty Legislature concludes the election process for that position.

As no nominations were submitted from the floor, there was a request for a motion to accept the above slate.

**Motion:** To approve the election results reported by RJE.

The motion was seconded and carried unanimously by a vote of 40-0-0.

The floor was opened for general comments and discussion.

There was brief discussion on various matters related to remote instruction. Suggestions were offered and inherent challenges were acknowledged. It was noted that the polling feature used during the meeting might be transferable to certain aspects of class participation.

The meeting was adjourned at 4:27 p.m.
April 15, 2020

TO: Eric Prieto  
Undergraduate Council Chair, Academic Senate

FROM: Dan Blumenthal, Chair  
College of Engineering, Faculty Executive Committee

RE: SR 235A2 Modification

On March 4, 2020, the COE Faculty Executive Committee (FEC) met and approved the proposal to adjust the College of Engineering’s Quarterly Honors threshold to 3.75, effective Fall 2020. We also encouraged administration to work closely with the Registrar to devise a notation on the transcript that makes it clear what GPA triggers a Dean’s Honors notation and that it changed for CoE students in Fall 2020.

On April 15, 2020, the FEC received an updated proposal and additional information that the Registrar can implement the change for students who join UCSB on or after Fall 2020. The committee supports the updated proposal.

9 yes, 0 no, 0 abstained (out of 10 eligible faculty members)
To: Dan Blumenthal, Chair  
   College of Engineering, Faculty Executive Committee

From: Glenn Beltz, Associate Dean for Undergraduate Studies  
   College of Engineering

Re: SR 235A2 Modification

I propose that SR 235A2, Quarterly Honors, College of Engineering, be modified as follows:

Undergraduate students in full-time status will become members of the Dean’s Honors List at the end of any term during which they have earned a term grade-point average of at least 3.50 or 3.75 in a program of at least 12 units taken for letter grades, provided that all grades earned in the term are used in determining eligibility, and that any NP grade on the term record eliminates eligibility.

In fall 2008, 293 students qualified for Dean’s Honors (24% of the CoE enrollment). In fall 2013, 449 students qualified for Dean’s Honors (32% of the CoE enrollment). In fall 2019, 781 students qualified for Dean’s Honors (49% of the CoE enrollment).

If we changed the threshold to 3.75, 498 students (31% of the CoE enrollment) would have earned Dean’s Honors in Fall 2019. 3.75 is the same threshold used by L&S. I therefore propose that we adjust the CoE threshold.

Per guidance received in consultation with the Registrar and the Undergraduate Council, this change would be effective fall 2020 and apply to new students only. The current GPA of 3.5 would continue to be effective for all continuing students.
April 17, 2020

To: Glenn Beltz, Associate Dean for Undergraduate Students
    Dan Blumenthal, Chair, Faculty Executive Committee
    College of Engineering

From: Eric Prieto, Chair
      Undergraduate Council

Re: Proposal to Modify Senate Regulation 235A.2

The Undergraduate Council has considered the proposal to modify Senate Regulation 235A.2 in order to raise the grade-point-average for Quarterly Honors within the College of Engineering from 3.5 to 3.75. The Council viewed the change favorably, as at present approximately half of the undergraduates in the College receive quarterly honors and the higher threshold would be equal to that of the College of Letters and Science.

The Council voted unanimously to approve the proposed change, effective Fall Quarter 2020 for new students.

CC: Henning Bohn, Chair, Academic Senate
    Debra Blake, Executive Director, Academic Senate
April 21, 2020

To: Henning Bohn, Divisional Chair
   Academic Senate

From: Paul Leonardi, Chair
      Committee on Rules, Jurisdiction & Elections

Re: Proposal to Modify Senate Regulation 235A2 (Quarterly Honors)

The Committee on Rules, Jurisdiction & Elections (RJE) reviewed the proposed revisions to SB Regulation 235A2, pertaining to the College of Engineering Quarterly Honors. RJE approves the revised language.

Cc: Debra Blake, Executive Director, Academic Senate
April 22, 2020

TO: Henning Bohn, Chair
     Academic Senate

FROM: Henry T. Yang

RE: Proposal to Change the Name of the B.S. in “Mathematical Sciences” to “Applied Mathematics” in the Department of Mathematics

My office has received a proposal from the Department of Mathematics for the “Name Change of an Existing Undergraduate Degree Program.” The department proposes to change the name of the B.S. in “Mathematical Sciences” to “Applied Mathematics.”

Undergraduate Council distributed the proposal to the Dean of Mathematical, Life, and Physical Sciences in the College of Letters and Science, the College of Letters and Science Faculty Executive Committee, Graduate Council, and the Associate Vice Chancellor for Undergraduate Education (who chose not to opine). All reviewing agencies supported the proposed change. Undergraduate Council agreed with the department that the proposed name change more closely aligns the name of the major with its contents and with “nationwide trends.” The Council voted to approve the proposed name change.

Per policy, Undergraduate Council of the Academic Senate has forwarded this proposal to our office for administrative review. Executive Vice Chancellor David Marshall has reviewed the proposal and concurs with Undergraduate Council’s approval and recommends that I offer final administrative endorsement. I have reviewed the proposal and Senate comments and offer final administrative endorsement for the proposed name change.

With this final administrative endorsement the proposal can be placed on the Agenda of the April 30, 2020, Faculty Legislature for final legislative action.

cc: David Marshall, Executive Vice Chancellor
     Toby Lazarowitz, Executive Assistant
     Debra Blake, Executive Director
April 13, 2020

To: David Marshall, Executive Vice Chancellor

From: Henning Bohn, Chair, Academic Senate
       Eric Prieto, Chair, Undergraduate Council

Re: Proposed Name Change from the B.S. in “Mathematical Sciences” to “Applied Mathematics”

Per the policy and procedures for the Name Change of an Existing Undergraduate Degree Program, we are forwarding for your review and consultation with the Chancellor a proposal from the Department of Mathematics to change the name of the B.S. in “Mathematical Sciences” to “Applied Mathematics.” The faculty aim to "better align the name of the major with its content and with nation-wide trends," and note that the current name “gives an overly broad impression of the scope of the major.”

The responses from the Letters and Science Faculty Executive Committee, the Graduate Council, and Dean Wiltzius were uniformly positive. Associate Vice Chancellor Stopple opted not to opine.

UgC found the Department's proposal to be cogent, reasonable, and well supported, and voted to approve the proposed changes with a vote of 13 in favor, 0 against, and 0 abstentions (3 absent). The full package of documents is attached. The final step of the review is consideration for approval by the Faculty Legislature. The next Faculty Legislature meeting will be held on April 30.

CC: Jeffrey Stopple, Associate Vice Chancellor, Office of Undergraduate Education
     Pierre Wiltzius, Executive Dean, College of Letters and Science
     Debra Blake, Executive Director, Academic Senate
     Toby Lazarowitz, Executive Assistant to the Executive Vice Chancellor
     Steven Velasco, Director, Institutional Research, Office of Budget and Planning
     Nick Alward-Saxon, Executive Assistant, Office of Undergraduate Education
     Nancy Emerson, Executive Assistant to the Dean
Date: December 13, 2019

To: Eric Prieto, Chair
Undergraduate Council

From: Jon McCammond, Chair
Department of Mathematics

Re: Simple Name Change from “Mathematical Sciences” to “Applied Mathematics”

During Fall Quarter, the Mathematics Department Undergraduate Committee discussed and unanimously approved a motion to change the name our current “Mathematical Sciences” Major to “Applied Mathematics” effective Fall Quarter 2020. The motion was advertised to the full faculty over email and then discussed at a Faculty Meeting on November 6, 2019. No opposition to the name change was expressed and the faculty at the faculty meeting passed the motion unanimously (11 in favor, 0 against and 0 abstaining).

The main reason for the name change is to better align the name of the major with its content and with nation-wide trends. In particular, it is increasingly common for programs similar to our current Mathematical Sciences major to be described as a major in “Applied Mathematics”. When fine distinctions are called for, the term “Mathematical Sciences” is often used to denote a much broader range of topics including all of Mathematics, Statistics and Computer Science. Applied Mathematics, by way of contrast, is viewed as one of the two main divisions of Mathematics itself. As it currently stands, the broader term includes the applied mathematics courses which are the focus of the major, but it gives an overly broad impression of the scope of the major.

And finally, the simple name change aligns very well with two other recent changes to the content of the Major. The course Math 108C Matrix Analysis has recently been revived with slightly altered content more focused on applied topics and a similar slight alteration of the content of Math 132A Optimization is currently in development. Math 108C and Math 132A is proposed to be an option for the Applied Mathematics major starting in Fall Quarter 2020.
APPLIED MATHEMATICS
MATHEMATICAL SCIENCES MAJOR, B.S. – 2019-2020

To be admitted to full major status, students must complete the following pre-major Mathematics courses with a UC grade-point average of 2.5 or higher. All pre-major courses and Computer Science 8, 16 or Engineering 3 must be completed with a grade of “C” or better. Preparation Courses are excluded from pre-major GPA, but will apply to the overall major GPA. Entry into the pre-major does not guarantee admission to full major status. While completing required preparation, students are classified as pre-majors.

PRE-MAJOR

<table>
<thead>
<tr>
<th>Course</th>
<th>Units Yet to Complete</th>
</tr>
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<tbody>
<tr>
<td>Math 2A-B or 3A-B</td>
<td>8-10</td>
</tr>
<tr>
<td>Math 4A-B</td>
<td>8</td>
</tr>
<tr>
<td>Math 6A-B</td>
<td>8</td>
</tr>
<tr>
<td>Math 8*</td>
<td>5</td>
</tr>
</tbody>
</table>

*Note: Either Math 4A, 4B, 6A, or 6B must be completed with a grade of “B” or better in order to take Math 8.

PREPARATION FOR THE MAJOR

One course from Computer Science 8, 16 or Engineering 3 ........................................ 3-4
Physics 1 or 6A or 21 .......................................................... 3-4

UPPER-DIVISION MAJOR

52 UD units are required, of which a minimum of 40 must be in Mathematics. These units must be distributed as follows:

Math 104C, 108C, or 118C ................................................................. 4
Math 119A, 132A, or 147A ................................................................. 4

12 units of upper-division Math or PSTAT electives .................................................. 12

Elective courses taken: ____________________________________________________________

Note: The following courses will NOT apply to the major: Math 100A-B, 193, 195A-B; PSTAT 109, 193.

(With an advisor’s approval, 4 of the 52 UD units may be non-mathematics courses taken as part of a coherent mathematics program.)

MAJOR REGULATIONS

PREREQUISITES ......................................... Check the General Catalog for the prerequisites to all listed courses.
P/NP GRADING OPTION ......................... Not allowed for major courses (prep or UD major), including courses applied to the major from other departments.
SUBSTITUTIONS .................................... In the major requirements permissible only by petition to the department chair and dean.
RESIDENCE REQUIREMENTS ............... At least 20 UD units in major while in residence at UCSB.
G.P.A REQUIREMENTS ...................... At least 2.0 overall UC average in all upper-division major courses and all courses (Prep and UD) for the major.
DOUBLE MAJORS ....................... With the approval of each department chairperson, up to a total of 8 units may be applied simultaneously to both UD majors.
March 23, 2020

TO: Eric Prieto  
    Chair, Undergraduate Council

FROM: James Roney  
      Chair, Letters and Science Faculty Executive Committee

RE: Proposal from Department of Mathematics

At its meeting on March 5, 2020, the Letters and Science Faculty Executive Committee (FEC) considered the proposal from the Department of Mathematics to change the name of its B.S. in Mathematical Sciences to a B.S. in Applied Mathematics. The FEC found this change to be reasonable and voted unanimously to approve the name change.

Additionally, the Department indicates recent adjustments to Math 108C and Math 132A, and proposes to add both of these as upper division options for this major. Noting that modifications for these two courses have been fully approved in the MCA, the FEC endorsed this change as well.

cc: Pierre Wiltzius, Executive Dean of the College and Dean of Science  
    Jeffrey Stopple, Associate Vice Chancellor and Dean, Undergraduate Education
March 10, 2020

To:     Henning Bohn, Divisional Chair  
        Academic Senate

From:   Divyakant Agrawal, Chair  
        Graduate Council

Re:     Simple Name Change from “Mathematical Sciences” to “Applied Mathematics”

At its meeting of March 9, 2020, Graduate Council (GC) reviewed the proposal from the Department of Mathematics for a simple name change of the “Mathematical Sciences” major to “Applied Mathematics”. GC found the rationale sound and unanimously supported the name change.

CC:     Debra Blake, Executive Director, Academic Senate
Date: April 6, 2020

To: Eric Prieto, Chair
   UCSB Undergraduate Council

From: Pierre Wiltzius
   Dean, Mathematical, Life and Physical Sciences

Re: Name Change from “Mathematical Sciences” to “Applied Mathematics”

I am writing to provide my support to the request of December 2019 from Jon McCammond, Chair of the Mathematics department to change the name of the “Mathematical Sciences” major to “Applied Mathematics”.

The reasons given for this change of aligning with the content of the major and with nation-wise trends are well supported in this request. The full support of the Mathematics department faculty is indication the name change will also help the department align future content more appropriately.

I fully support this name change request.