

COS Faculty Meeting
Agenda
May 3, 2018
3:30-5pm
Mason Club, Fairfax Campus

- 1. Call to order**
 - 1.1. By John Schreifels at 3:35pm
- 2. Approve minutes (Appendix C)**
 - 2.1. Approved by unanimous vote
- 3. Amendment of COS bylaws**
 - 3.1. See Appendix A
 - 3.2. Question regarding undergraduate biology program
- 4. Annual Report from the Dean's Fellow - Maria Emelianenko**
 - 4.1. Report will be distributed by Maria in the next two weeks
- 5. Committee Reports (Appendix B)**
 - 5.1. Nominations – Ancha Baranova**
 - 5.1.1. Nominations have some changes.
 - 5.1.1.1. Remove Zafer
 - 5.1.1.2. Remove Maria
 - 5.1.1.3. Add Ancha Baranova to Nominations
 - 5.1.2.
 - 5.2. Executive Council – David Luther**
 - 5.2.1. Asked by dean to review study leave applications
 - 5.3. Promotion and Tenure - Geri Grant**
 - 5.3.1. Actions taken on time this year, no major issues
 - 5.3.2. Guidelines for P&T are being rewritten at the department level, not being done by the department
 - 5.3.2.1. Question regarding new guidelines. Being reviewed by COS HR and the Dean at this time.
 - 5.3.2.2. Should these guidelines be distributed to the faculty in general
 - 5.3.2.3. Changes have not been made yet.
 - 5.3.3. Slayden: Did the Dean inform you about the progress of your decisions this year?
 - 5.3.3.1. Grant: No, we were not informed. We assumed they went forward
 - 5.3.3.2. Slayden: Ask the P&T committee to follow-up with the Dean regarding this year's decisions so that future work of the committee can be informed.
 - 5.4. Grievance – No report, no representative in attendance.**
 - 5.5. Curriculum – Report Submitted by Chris Parsons**
 - 5.5.1. Barry Klinger reporting
 - 5.5.2. Fairly uneventful year, no big fireworks
 - 5.5.3. Question: Tim – Work of committee
 - 5.5.3.1. Submissions from COS were not detailed, future proposals

- 5.5.3.2. New Chair: Hakami will ha
- 5.5.4. Challenges with engineering course changes
 - 5.5.4.1. Curriculum committee needs to be aware of potential proposals that are redundant and subversive to our students
 - 5.5.4.2.

6. Nominations

- COS Faculty Officers: 3 positions up for election, 1 yr. term, all are at-large
 - Chair
 - Chair pro tem.
 - Secretary
- Nomination and Membership Committee: 2 open seats, 2 yr. term, all are at-large
- Promotion and Tenure: 2 open seats ,3 yr. term, tenured faculty only; at-large must also be full professors; cannot succeed themselves (SSB not eligible)
- Grievance: 2 seats open, 3 yr. term, all are at-large; only one rep per dept (Math, ESP, Physics not eligible)
- Executive Council: 2 seats, 3 yr term, CDS not eligible
- Faculty Senate: 3 seats open, 3 yr. term, all are at-large

6.1.1. Nominations were collected by Ancha Baranova

6.1.1.1. Will be summarized in the ballot distributed in the near future.

7. Senate Report

7.1. Current climate regarding donations is really serious.

7.1.1. External reviews will be happening in the near future.

7.1.2. Majors conflict regarding gift agreements where faculty decisions are made

8. New Business/

8.1.1. No new business

9. Discussion

10. Close

10.1. Unanimously adjourned at 4:24pm

Appendix A

Proposed amendment to Article 1 Section 4

Because departments and academic units can change, and have changed since the bylaws were last amended, we propose removing reference to specific departments in Article 1. Section 4. of the bylaws. The text referring to specific departments in the bylaws creates the need to frequently amend the bylaws to account for these changes. The proposed amendment eliminates this problem without compromising the purpose and intent of the bylaws as they exist today. (affected text in the existing bylaws are highlighted in yellow below.)

Additionally, we also recommend removing the reference to “independent programs” as academic units since there are presently no independent programs in COS and the term as it exists is poorly defined. (affected text in the existing and modified bylaws are highlighted in light blue below.)

CURRENT TEXT:

Section 4. Membership and Governance in Academic units

The College comprises a number of academic units. Academic units (AU) consist of departments, schools and independent programs, each consisting of faculty having common areas of interests in education and research. Faculty may have an affiliation with more than one academic unit, but will normally have their primary affiliation in one academic unit. (Faculty whose position is split equally between two academic units will be asked to choose one as their primary affiliation.) Faculty who are affiliated with more than one academic unit will be evaluated by both academic units for purposes of salary adjustment and promotion and/or tenure. Faculty with joint affiliations will have voting rights in the academic unit of their primary affiliation; but they may also be extended voting rights in another academic unit on a courtesy basis at that academic unit’s discretion. Academic unit policies on voting rights within an academic unit are to be specified in the Academic unit Bylaws or its Standing Rules. The governance of the academic units must adhere to these Bylaws or Standing Rules. As noted in the University Faculty Handbook, voting rights, hiring practices, and membership within an academic unit are the decision of that unit. Academic units are expected to have representation on various committees of the College, as prescribed in Article IV. Academic units will conduct the first-level review of faculty within the Academic unit for promotion and/or tenure.

As of 2011 the College of Science has eight academic units as listed below.

1. School of Systems Biology
2. School of Physics, Astronomy and Computational Sciences
3. Department of Mathematical Sciences
4. Department of Geography and Geoinformation Science
5. Department of Environmental Science and Policy
6. Department of Chemistry and Biochemistry
7. Department of Atmospheric, Oceanic and Earth Sciences
8. Undergraduate Biology Program

AMENDED TEXT:

Section 4. Membership and Governance in Academic units

The College of Science is composed of academic units. Academic units (AU) are departments, schools, or independent programs, each consisting of faculty having common areas of interests in education and research. Faculty may have an affiliation with more than one academic unit, but will normally have their primary affiliation in one academic unit. (Faculty whose position is split equally between two academic units will be asked to choose one as their primary affiliation.) Faculty who are affiliated with more than one academic unit will be evaluated by both academic units for purposes of salary adjustment and promotion and/or tenure. Faculty with joint affiliations will have voting rights in the academic unit of their primary affiliation; but they may also be extended voting rights in another academic unit on a courtesy basis at that academic unit's discretion. Academic unit policies on voting rights within an academic unit are to be specified in the Academic unit Bylaws or its Standing Rules. The governance of the academic units must adhere to these Bylaws or Standing Rules. As noted in the University Faculty Handbook, voting rights, hiring practices, and membership within an academic unit are the decision of that unit. Academic units are expected to have representation on various committees of the College, as prescribed in Article IV. Academic units will conduct the first-level review of faculty within the Academic unit for promotion and/or tenure.

Appendix B: Committee Reports

1. Executive Council Report

Chair: David A Luther

Members: Maria Emelianenko; Ruixin Yang; Qing Tian; Suzanne Slayden; Kim De Mutsert; Emanuel F Petricoin; Timothy M. Delsole; J. E. Lin; Predrag Nikolic; Jason M Kinser; Karl J Fryxell; Barney M Bishop

Executive Summary

The COS Executive Council has purview over issues involving the curriculum, long term planning within the College, and other issues which are referred to it by Committees or the Dean. During the 2017-2018 academic year the council was asked by Dean Agouris to evaluate and rank applications for Study Leave from the COS and make recommendations to the Dean. We completed the task in a timely manner and this was the only issue brought before the council this year. David Luther will give the verbal report at the meeting on May 1.

2. Promotion and Tenure Committee Report

Paul Dirmeyer (AOES): Chair

Geraldine Grant (Biology): Secretary

Rob Axtell (CDS)

John Schreifels (Chemistry)

Susie Crate (ESP)

Paul Houser (GGS)

Chaowei "Phil" Yang (GGS; at-large)

Geir Agnarsson (Math)

Flavia Colonna (Math; at-large)

Shobita Satyapal (Physics & Astronomy)

Karen Sauer (Physics & Astronomy; at-large)

Fatah Kashanchi (Systems Biology)

Vikas Chandhoke (Systems Biology; at-large)

Executive Summary

The COS Level-2 P&T Committee (the Committee) is the peer-elected second-level review committee for COS faculty seeking promotion and/or reappointment without term. The Committee collects the candidate dossiers and promotion/tenure recommendations from Departmental (Level-1) committees and Department chairs, forms a subcommittee for each promotion/tenure case to further review each dossier for merit, completeness, and adherence to procedure, discusses each case in plenary as presented by each subcommittee, votes on each case, and advises the Dean of COS on each case in the form of a written report.

The full committee description is available from <https://cos.gmu.edu/faculty-staffresources/promotion-tenure-committee/> and references therein.

For the 2017-18 academic year, the Committee reviewed five cases; three for promotion from Assistant Professor with term to Associate Professor without term and two at the Associate Professor level requesting an appointment without term.

Plenary Meeting Dates

26 October 1PM (Dean's suite; quorum) – Initial meeting, brief on cases, form subcommittees, set schedule.

27 November 1PM (Dean's suite; quorum) – Presentation of two cases, voting on one case delayed pending gathering of further information.

5 December 1PM (by telecon; quorum) – Presentation and voting on one case.

8 December 10AM (281 research Hall; quorum) – Revisit and vote on case tabled from 28 November, presentation of final two cases, voting on one, one case delayed pending gathering of further information.

20 December 2PM (by telecon; quorum) – voting on final remaining case tabled from 8 December.

Issues Addressed

The Committee reviewed five promotion/tenure cases; three for promotion from Assistant Professor with term to Associate Professor without term and two at the Associate Professor level requesting an appointment without term. All recommendations were made to the Dean on schedule, and the Committee Chair met with the Dean on 23 January to brief her on the Committee recommendations.

Pending Vacancies

The following members will rotate off the Committee after serving their appointed three year terms:

Paul Dirmeyer (AOES)

Chaowei "Phil" Yang (GGS; at-large)

Shobita Satyapal (Physics & Astronomy)

Karen Sauer (Physics & Astronomy; at-large)

Fatah Kashanchi (Systems Biology)

Rob Axtell (CDS) has filled in for Ed Wegman. We are not sure whether Rob is considered a new member starting a new term, or a continuant of Wegman's term, which would be ending this year as well.

3. Nominations Committee Report

Nominations to date:

COS Leadership

- CoS Faculty Chair: Barney Bishop (re-election)
- Secretary: Rebecca Jones (re-election)
- Chair pro tem: Mark Uhen

Promotion and Tenure Committee (at -large)

- Prof. Zafer Boybeyi (at large)

Nominations

- Maria Emelianenko (MATH)

Grievance Committee:

- Dr. Narayanan was nominated by SSB
- H-C Lim (biology)

Faculty Senate:

- Tim Leslie (re-election)
- Chris Kennedy (ESP) for re-election
- Cristiana Stan (AOES)

Regular department specific replacements:

Curriculum Committee - Prof. Barry Klinger (AOES)

Curriculum Committee: Erhai Zhao (physics and astro)

Curriculum Committee - Lammaerzahl (BIOL) continues

COS Curriculum Committee nomination F2018-S2021 – Joris van der Ham (ESP)

Exec Council: Dhafer Marzougui (physics and astro)

Executive Council - Prof. Tim DelSole (AOES)

Executive Council - Dr Kylene Kehn-Hall (SSB)

P&T Committee: Rainald Lohner (physics and astro)

P&T Committee: Mark Uhen (AOES; replacing Prof. Paul Dirmeyer)

Rob Axtel has already replaced Wegman on P&T 2.(CDS)

4. Grievance Committee Report

Did not meet in 2017-2018, Nothing to Report

5. Curriculum Committee Report

COS Curriculum Committee Report Spring 2018

COSCC Mission

The principal task of the College of Science Curriculum Committee (COSCC) is to review and make recommendations on behalf of the college regarding the creation, modification, or discontinuation of its academic degrees, certificate programs, and courses. This committee has representation from all COS academic departments who wished to have members appointed.

COSCC Chair

[Chris Parsons](#) (*Chair*), Environmental Science and Policy

COSCC Members

[David Carchedi](#), Mathematical Sciences

[Ramin Hakami](#), School of Systems Biology

[S. Kimi Hatton](#), Chemistry and Biochemistry

[Barry Klinger](#), Atmospheric, Oceanic and Earth Sciences

[Arndt Laemmerzahl](#), Biology

[Yuri Mishin](#), Physics and Astronomy

[Nadine Kabbani](#), Neuroscience

[Dieter Pfoser](#), Geography and Geoinformation Science

[Matthias Renz](#), Computational and Data Sciences

[Kimberly Rule](#), Forensic Science

Meetings

Jan 22

Feb 19

Mar 19

April 16

April 30 (pending)

New Courses

- [CDS 492](#): Capstone Course in Data Science* **[Approved]**
- [COS 402](#): Special Topics in Science **[Tabled- pending further review of how this class would fit into students' degree programs and concerns of possible overlap with the departments.]**
- [GGS 379](#): Remote Sensing* **[Approved]**
- [PHYS 391](#): Special Topics in Physics **[Approved]**
- [EVPP 545](#): Principles of Environmental Toxicology* **[Approved]**
- [EVPP 572](#) – Tools and Techniques for International Development **[Approved]**
- [MATH 553](#): Advanced Mathematical Statistics in Actuarial Sciences* **[Approved]**
- [COS 602](#): Special Topics in Science **[Tabled per COS 402 discussion above.]**

Modified Courses

- [ASTR 302](#): Foundations of Cosmological Thought **[Approved]**
- [ASTR 401](#): Computer Simulation in Astronomy **[Approved]**
- [BIOL 309](#): Introduction to Oceanography **[Approved]**
- [BIOL 350](#): Freshwater Ecosystems **[Approved but requested to add EVPP 301 as a recommended prerequisite]**
- [BIOL 355](#): Ecological Engineering and Ecosystem Restoration **[Approved but requested to add EVPP 301 as a recommended prerequisite]**

- [BIOL 402](#): Applied and Industrial Microbiology **[Approved]**
- [BIOL 403](#): Techniques in Applied and Industrial Microbiology **[Approved]**
- [CDS 230](#): Modeling and Simulation I* **[Approved]**
- [CDS 290](#): Topics in Computational and Data Sciences* **[Approved]**
- [CHEM 211](#)– General Chemistry I **[Approved]**
- [CHEM 212](#)– General Chemistry II **[Approved]**
- [CHEM 213](#)– General Chemistry Laboratory I **[Approved]**
- [CHEM 214](#)– General Chemistry Laboratory II **[Approved]**
- [CSI 899](#): Colloquium in Computational Sciences and Data Informatics* **[Approved, the Committee recommended that the course name was changed to “Colloquium in Computational and Data Sciences.”]**
- [GEOL 401](#)– Structural Geology **[Approved]**
- [GEOL 404](#)– Geological Field Techniques **[Approved]**
- [PHYS 331](#)– Fundamentals of Renewable Energy **[Approved]**
- [MATH 203](#): Linear Algebra* **[Approved]**
- [MATH 453](#): Advanced Mathematical Statistics* **[Approved with the original title in place.]**
- [MATH 493](#): Topics in Applicable Mathematics* **[Approved]**
- [MLAB 300](#): Science Writing **[Approved; related program modifications forthcoming.]**
- [PHYS 301](#): Analytical Methods of Physics **[Approved]**
- [PHYS 346](#): Quarks to Strings **[Approved]**
- [PHYS 410](#): Computational Physics Capstone I **[Approved in addition to removing any equivalencies between PHYS 410 and PHYS 510.]**

New Programs

- Minor in [Urban Informatics](#) **[Approved]**

Modified Programs

- [BS in Biology*](#) **[Approved]**
- BA in [Biology](#) **[Approved]**
- [BS Environmental Science](#): new Wildlife Concentration & electives**[Approved]**
- [BS Geography*](#) **[Approved]**
- Minor in [Geographic Information Systems*](#) **[Approved]**

Deactivated Courses [Approved]

- BIOL 313 :Human Genetics for the Social Sciences
- [CHEM 333](#): Physical Chemistry for the Life Sciences I
- [CHEM 334](#): Physical Chemistry for the Life Sciences II
- EVPP 380: Wetlands of the World
- EVPP 468: Vertebrate Natural History
- GEOL 206: Topics in Geology I
- GEOL 405: Adv. Seminar in Earth/Environmental Science
- GEOL 406: Seminar in Earth/Environmental Science

- GGS 455: Environmental Impact Assessment
- [PHYS 101](#): Light and Sound in Our World
- [PHYS 102](#): Sports Physics
- [PHYS 121](#): Uses of Physics

Vacancies

The Chair (Chris Parsons) is standing down as he is leaving GMU. Dr Parsons has been the Chair (or co-/deputy Chair) for the past 8 years. A new Chair will be required.

Appendix C: Minutes from Previous Meeting

COS Faculty Meeting Minutes

February 21, 2018

12:15-1:30pm

Exploratory Hall 3301, Fairfax Campus
IABR 1004, SciTech Campus via WebEx

In attendance: Barney Bishop (Faculty Chair), Rebecca Jones (Secretary), Peter Plarchan, Paul So, Jessica Rosenberg, Harold Geller, Larry Rockwood, Suzanne Slayden, Gerald Weatherspoon, Martha Westcoat, Megan Erb, Tracey Mason, Maria Emelianenko, Peggy Agouris, Ali Andalibi, Benoit Van Aken, Jason Kinser, Mark Uhen, Andreas Zifle, Olga Gkountuond, Neil Epstein, Peter Plarch, A.A. Agrime (ESP) B.O. Asidoeye, Paul So, Andrew Crooks, Yunao Wu, Kylene Kehn-Hall (via WebEx)

1. Call to order

1.1. Meeting was called to order by COS Faculty Chair Barney Bishop at 12:24pm

2. Approve minutes

3. Dean Peggy Agouris addresses the faculty

3.1. COS Faculty Meeting Attendance: Dean Agouris would like to interact with more faculty at these meetings, encourage your colleagues to attend, if you have ideas for different food, please share

3.2. P&T Policy Development: Working on a more transparent set of expectations for P&T, every department and faculty member has the opportunity to contribute to this process, this is going on during Spring 2018

3.3. College growth: We continue to grow in enrollment, hiring 16 new faculty members,

3.4. Cluster hire in Urban Planning, 3 new faculty will join with research at Potomac Science Center

3.5. Online course development: funding will be available, Padhu leading

3.6. College Advisory Board: Meets every other month to discuss how we can provide graduates that meet the current needs of our local and regional community

3.7. Developing departmental visions: Three questions

3.7.1. What are your departmental plans for the next 5 years

3.7.2. How do you connect your plans to what is around us?

3.7.3. What will you do if your plans do not develop as planned?

4. Questions for the Dean

4.1. If we plan to increase enrollment, how will the provost increase space?

4.1.1. Potomac Science Center is a beautiful new building; we probably won't be able to keep it to ourselves.

4.1.2. Space will be provided to support growth, assured by Provost

4.1.3. Some discussion is happening about moving courses to other campuses.

4.1.4. If growth is planned and controlled, we will be in the best position to advocate for space.

4.2. If upper level courses end up being moved, there needs to be shuttles to get to Potomac Science Center.

- 4.2.1. That is understood, it's more likely courses may be moved to SciTech since the shuttles are already in place.
- 4.3. Seems the biggest issue is for large classrooms, and the university doesn't seem like they want to build more.
 - 4.3.1. SciTech has a new building coming, Bull Run 2, will be for science and engineering classes
 - 4.3.2. The situation on Fairfax campus is going to get more dire, especially with Robinson going offline
 - 4.3.3. Space is an issue and the administration is aware of the issues
- 4.4. Minutes from November 2017 meeting were approved unanimously by voice vote

5. New Business

- 5.1. College of Science Undergraduate Research Colloquium (Rebecca Jones).
 - 5.1.1. Please mark your calendars for April 26, 2018 for the COS URC
- 5.2. Discuss amendments to the bylaws (Barney Bishop).
 - 5.2.1. See attachment
 - 5.2.2. Thoughts ...
 - 5.2.2.1. What about neuroscience? Forensics? They are independent programs.
 - 5.2.2.2. Move to drop the list of departments/schools, but keep the phrase independent program.
 - 5.2.2.3. Meeting will be in April to vote on this change
- 5.3. Improving Participation in these Faculty Meeting – How do we get people involved? What should we be doing as a group?
 - 5.3.1. Get Peggy to personally invite faculty
 - 5.3.2. Financial incentives?
 - 5.3.3. Maybe we can bring specific requests/concerns to the Dean
 - 5.3.4. Have a detailed agenda for discussion? Concrete questions
 - 5.3.5. Clarify roles of Faculty officers, role of Executive Council?
 - 5.3.6. Spring meeting should always have reports from each sub-committee
 - 5.3.7. Need agenda items that related to all faculty levels, including term and adjuncts
 - 5.3.8. Maybe ask the Dean to give “State of the College” address, for the fall faculty meeting, especially to discuss budget, introduce new faculty
 - 5.3.9. Possibly link the spring meeting with awards?
 - 5.3.10. Require committees to have written reports
- 5.4. Faculty Marshalls needed for Commencement – May 16th
 - 5.4.1. Contact Tracy Mason
- 5.5. USA Science and Engineering Fair April 6-8, 2018
- 5.6. Provost evaluation committee being voted on now, please vote.
 - 5.6.1. Harold Geller and Larry Rockwood from COS

6. Close

- 6.1. Motion to adjourn by Mark Uhen, seconded by Suzanne Slayden. Unanimous verbal vote and the meeting was adjourned by Barney Bishop at 1:27pm.