

**SCIENCE FACULTY COUNCIL
APPROVED MINUTES**

Friday, November 5, 2021 - Hybrid | D225

Chair: Lucy Lee, Dean

Present: Ian Affleck, Carolyn Atkins, Jennifer Barrett, James Bedard, Nathan Bialas, Linus Chiang, Karen Cooper, Christine Dalton, Robin Endelman, Kseniya Garaschuk, Golfam Ghafourifar, Sandra Gillespie, Pat Harrison, Longlong Huang, Jonathan Hughes, Ben Hui, Manveer Jhamat, Jesper Johansen, Heather Kelly, Anna Kuczynska, Justin Lee, Carlos Leon, Hongfei Li, Olav Lian, Lin Long, Cindy Loten, Mariano Mapili, Pedro Montoya-Pelaez, Janice Nagtegaal, Stefania Pizzirani, Vanessa Radzimski, Afia Raja, Alan Reid, Fabiola Rojas, Greg Schmaltz, Jake Spooner, Terry Starr, Tony Stea, Shaun Sun, Jason Thomas, Ben Vanderlei, Jane Webb, Noham Weinberg, Frank Zhang

Regrets: Ruwan Karunanayaka, Stan Manu, Lenore Newman

Recorder: Caroline Majeau

1. GUESTS and INTRODUCTIONS

Dr. James Mandigo, Provost and Vice-President Academic, began the conversation around the future of the faculty. Lucy will be retiring in 2023 so a search for a new Dean will begin in a year's time. Discussions have been happening over the past couple of years whether to look at a closer alignment with the Faculty of Applied and Technical Studies (FATS). As Peter Geller's term as interim Dean of FATS coincides with Lucy's retirement, it would be a good opportunity to make changes if appropriate. Discussion followed regarding the process. James advised there will be consultation with Faculty and Staff and then anticipates having direction in place by Spring 2022. This would then be brought to the Board in June or early fall so guidance can be given on how to move forward.

He thanked faculty for everything they've done over the past 18 months and their work supporting students to get back onto campus.

2. AGENDA and MINUTES

2.1. Adoption of Agenda

MOTION:

THAT the Science Faculty Committee adopt the agenda as presented.
Tony S. / 2nd Alan R.; all in favour; adopted.

2.2. Approval of the Minutes - October 8, 2021

MOTION:

THAT the Science Faculty Council approve the minutes of October 8, 2021 as presented.
Mariano M. / 2nd Pedro M-P; all in favour; approved.

3. DISCUSSION / DECISIONS

3.1. Biology Faculty Standards - for approval

MOTION:

THAT the Science Faculty council approve the Biology Standards for Tenure and Promotion as presented.

Greg S. / 2nd Tony S.; all in favour; approved.

3.2. Science Faculty Council Terms of Reference revisions

The SFC's Terms of Reference 3-year review is due Fall 2021. The Faculty of Science, as of September 1, now has an Associate Dean. This update in our administration needs to be reflected in our Terms of Reference. No other revisions were required.

MOTION:

THAT the Science Faculty Council recommend to Senate for approval the proposed revisions to the Science Faculty Council Terms of Reference as presented.

Ben V. / 2nd Tony S.; all in favour; approved.

3.3. Vice-Chair, Science Faculty Council Election (2-year term) - 2021-2023

Greg Schmaltz completed his 2-year term as SFC Vice-Chair. Lucy called for nominations. Dr. Alan Reid from Biology offered to let his name stand. As no other nominations were received, Alan was acclaimed as Vice-Chair of SFC for the 2021-2023 term.

4. FSCC (Curriculum Committee) - Ben Vanderlei

For Decision:

4.1. Biology honours & majors Calendar Edits

Revisions were made to clarify language around directed studies courses, requirements for statistics courses (different in honours and majors), and to revise the number of upper-level electives.

MOTION:

THAT the Science Faculty Council approve the calendar edits to the Biology honours and majors as presented.

Greg S. / 2nd Tony S.; all in favour; approved.

4.2. BIO 330: Plants and Animals of British Columbia (6-year review)

Revisions were made to reflect the current delivery of the course.

MOTION:

THAT Science Faculty Council approve the requested changes to BIO 330 as presented.

Tony S. / 2nd Greg S.; all in favour; approved.

4.3. BIO 340: Population and Community Ecology (6-year review)

Greg provided background for the requested revisions.

MOTION:

THAT the Science Faculty council approve the revisions to BIO 340 as presented.

Tony S. / 2nd Greg S.

Concerns were raised regarding the removal of Math 112 and Math 118 as course prerequisites. Discussion followed. A friendly amendment to the motion was proposed to remove the STAT 106 option and leave MATH 111 as a math prerequisite. Discussion continued.

AMENDED MOTION:

THAT the Science Faculty council approve the revisions to BIO 340 subject to the prerequisites to include BIO 210 and MATH 111.

Tony S. / 2nd Greg S.; 1 abstention; approved.

Greg S. spoke to agenda items **4.4 and 4.5** (BIO 415 and BIO 427).

4.4. BIO 415: Cancer Biology (6-year review)

4.5. BIO 427: Plants and Drugs (New course proposal)

OMNIBUS MOTION:

THAT the Science Faculty Council approve the revisions to **BIO 415** and **BIO 427** as presented.

Greg S. / 2nd Tony S.; all in favour; approved.

5. FSCC (Curriculum Committee)

For Information:

5.1. BIO 425: Introductory Medical Microbiology (6-year review)

5.2. BIO 448: Immunology (6-year review)

5.3. BIO 305: Anatomy and Physiology of Vertebrates I (6-year review)

5.4. BIO 312: Developmental Biology (6-year review)

5.5. BIO 401: Molecular Biology (6-year review)

5.6. BIO 406: Advanced Genetics (6-year review)

5.7. BIO 408: Directed Studies in Biology I (6-year review)

5.8. BIO 409: Directed Studies in Biology II (6-year review)

5.9. BIO 416: Evolution (6-year review)

5.10. BIO 420: Special Topics in Biology

5.11. BIO 421: Special Topics in Applied Biology (6-year review)

5.12. BIO 496: Advanced Biological Topics 1 credit (6-year review)

5.13. BIO 498: Advanced Biological Topics 2 credits (6-year review)

5.14. BIO 499: Honours Research Thesis

5.15. GEOG 257 / CMNS 257: Environment Science and Communications (6-year review)

6. REPORTS

6.1. Dean's Report - Lucy Lee

- Budget update: Due to the decline in international student enrollments, UFV is looking at a shortfall due. Although the FoS has a shortfall, it will be manageable with no major cuts.
- Staffing: Math and Stats has 2 faculty positions to fill and SLUEC has 1 position. The University has announced that there are 6 new positions available. Lucy will be asking for at least 1 for SLUEC. In addition, there is a probability of having a further position in science for an Indigenous faculty member. More information to follow.
- Three Strategic Initiative Fund (SIF) projects were approved in Science:
 - 1) **Applied Research:** Mariano Mapili, UFV as a Centre for Tropical Agriculture (in a vanishing temperate region)
 - 2) **Community:** Stefania Pizzirani, UFV Clothing Repair Fair
 - 3) **Indigenization:** Cherie Enns, Collaborative Land Use Planning Program Development
- Campus Planning update: the FoS expansion into A-East is still being considered. The Mission campus is currently the priority.

6.2. Associate Dean's Report - Ian Affleck

- First Peoples Principles of Learning and Science Instruction: Ian advised faculty that UEC has recently changed its expectations regarding consideration that's given to Indigenization of the curriculum. It has been a challenge for some disciplines. He has reflected on the First Peoples Principles of Learning and has put together a document which he will email to faculty. It may help others find opportunities for Indigenization within courses they are reviewing or building. Discussion followed. Lorna Andrews has offered to provide workshops for each discipline within science if needed. Kseniya recommended a book Braiding Sweetgrass by Robin Wall Kimmerer.
- UFV International and the Provost have asked for suggestions for post-baccalaureate diplomas particularly those of interest for international students. Ian and a few other faculty members have been discussing a post-baccalaureate in Science Communications. Discussion followed. Ian invited anyone interested to join the discussion to contact him.

6.3. Advising - Karen Cooper

Nothing to report.

6.4. BSc Committee - Stan Manu

Nothing to report.

6.5. Indigenization and EDI

Nothing to report.

6.6. Senate - Pedro Montoya-Pelaez

Pedro shared updates from Senate's latest meeting.

- UFV Admissions is being revitalized. They are changing their name to the Centre of Excellence for Children, Youth, and Families. They anticipate the centre to be ready by 2023.
- Snow days were discussed.
- Academic misconduct was up 30%.

- 6.7. **School of Computing Report** - Frank Zhang
Dr. Amir Shabani and Dr. Opeyemi Adesina, faculty members from the School of Computing are open for potential collaboration within the Faculty of Science. If you have questions for possible collaboration, please contact Frank.Zhang@ufv.ca.
- 6.8. **Library Report** - Hongfei Li
Funds are still available in the 2021 Library budget for ordering Science books. If faculty would like to order books for teaching, research, or for students, please contact Hongfei.Li@ufv.ca. The deadline for faculty ordering is November 30, 2021. They will consider ordering e-books first and will only order print copies if e-books are not available or are too expensive.
- 6.9. **Students** - Heather Kelly | Manveer Jhamat
Nothing to report.
- 6.10. **Other Reports** - N/A
- 7. **INFORMATION ITEMS** - N/A
- 8. **ADJOURN** - 3:01 PM