

SCIENCE FACULTY COUNCIL

Minutes

Friday, November 4, 2016 - 1:00 pm – Room D134

CHAIR: Lucy Lee

PRESENT:

Ian Affleck	Karen Cooper	Anna Kuczynska	Greg Schlitt
Avril Alfred	Tim Cooper	Karin Loots	Shaun Sun
Carolyn Atkins	David Fenske	Cynthia Loten	Norm Taylor
Jennifer Barrett	Grant Fritzke	Stan Manu	Ben Vanderlei
Cory Beshara	Wendy Gracey	Steve Marsh	Perrin Waldock
Linus Chiang	David Harper	P. Montoya-Pelaez	Jane Webb
Jeff Chizma	Robin Kleiv	Alan Reid	Noham Weinberg
David Chu	Jeff Krahn	Rebecca Robertson	

REGRETS: Allan Arndt, James Bedard, Nathan Bialas, Darlene Carson, Golfam Ghafourifar, Carmen Herman, Renee Prasad, Awneet Sivia, Debbie Wheeler

RECORDER: Caroline Majeau

1. GUESTS and INTRODUCTIONS

2. AGENDA and MINUTES

2.1 Adoption of Agenda

Addition: BIOCHEM 701 and BIOCHEM 702 for Discussion – Noham W.

MOTION: That the Faculty Council approve the agenda with the noted addition.

Ian A. / 2ND Alan R. All in favour. Carried.

2.2 Approval of the Minutes – **October 7, 2016**

Revisions:

Add: Jennifer Barrett to attendees

Remove: second portion of 7.3 Senate Report – Norm T.

MOTION: That Faculty Council approve the minutes of October 7, 2016 with the revisions indicated.

Grant F. / 2nd Alan R. All in favour. Carried.

3. DEAN'S REPORT – Lucy Lee

- Lucy's term as Dean of the Faculty of Science is coming up. She has sent out her Dean's report to the Science Faculty and Staff as well as other members of the university community. Today is the deadline for comments on her consideration for renewal.

- Lucy has had the opportunity to attend many outreach activities over the past few months and is still surprised that many people still calls UFV, UCFV. She stressed the importance of continuing to educate our community that UFV has been a university since 2008.
- She recently attended the BC Deans of Arts and Science held at Langara College. The college opened a brand new \$55M, 6-floor Science and Technology building on October 12th. The Chemistry and Biology labs were incredible. She was told that the building was built with their own funds saved over several years. This is the type of building Lucy would like to see UFV have.
- The Minor in Applied Statistics was approved recently. We are mounting it for implementation September 2017. The Math and Stats department has been increasing the number of Stats courses offered due to the increase in Business and CIS enrollments. The number of sections offered have gone from a low of 15-20 from 10 years ago to over 40. This made a compelling case that at least one additional Stats faculty member is needed.
- Biology still has 1 full time position to fill which was left when Ron Wilen retired. The position is slated to support the new Bachelor of Agricultural Science (BAS) program which will be offered starting January 2017, as well as the increasing enrolments in Biology.
- Students have been quite active inviting speakers and getting involved. The PSA invited a speaker from SFU last week, Biophysicist Dr. David Sivak. He was so impressed with the quality of our students that he presented a slide of some of our Physics grads who are currently pursuing grad studies at SFU, and was actively looking to recruit more students for their grad program.
- The Faculty of Science Dean's Seminar Series and the Office of Indigenous Affairs is bringing in Molecular Biologist, Dr. Joslynn Lee from the Cold Spring Harbor Laboratory DNA Center to speak on November 30, 2016. Caroline will be emailing information out shortly.

4. BUSINESS ARISING FROM MINUTES – N/A

5. DISCUSSION / DECISION

5.1 BIOCHEM 701 / BIOCHEM 702 – Noham W.

Both courses were approved at our last SFC meeting on October 7th. Since then there have been discussions regarding the advanced learning outcomes. Bruce Kirkley from Program Development suggested some minor wording edits to the learning outcomes. Noham is seeking permission from SFC to make these minor editorial changes before they go to GSC.

MOTION: That Faculty Council approve the minor changes in wording to the learning outcomes regarding BIOCHEM 701 and BIOCHEM 702.

Noham W. / 2nd Grant F. All in favour. Carried.

6. FSCC (Curriculum Committee) –Lucy Lee for Allan Arndt

6.1 SIGNIFICANT (for decision)

6.1.1 Proposal program change Biology Honours

Application process revised to ensure ease of use for students.

- 6.1.2 Proposal program change for Biology Minor
Revision of requirements from four to two 2nd year courses

OMNIBUS MOTION: That the Faculty of Science Council approve the proposal for program changes in the Biology Honours and Biology Minor as presented.

Jennifer B. / 2nd Alan R. / all in favour; unanimous; carried

- 6.1.3 Revision to MATH 124 Finite Math with Applications in the Information Science
This course is up for its 6 year review. Cynthia Loten advised there were minor updates.

MOTION: That the Faculty of Science Council approve the revisions to MATH 124 Finite Math and Applications in the Information Sciences as presented.

Cynthia L. / 2nd Noham W. / all in favour; unanimous; carried

Noham W. requested to exclude BIO 710 and BIO 796 from Omnibus Motion.

OMNIBUS MOTION: That the Faculty of Science Council approve the new grad courses BIO 701, BIO 707, BIO 715, BIO 716, BIO 725, BIO 726, BIO 727 and BIO 730.

Noham W. / 2nd Ben V.

A lengthy discussion followed regarding the biology official grad course outlines indicating 'no further credit for students who already have credit for the dual listed 4XX course'. There were concerns raised that the other science departments' dual listed 700 courses do not have restrictions. Noham indicated that the grad level courses are at a very different level of learning. He stressed that the science MIST courses need to meet a universal science requirement. It was suggested to send the courses back to FSCC but Noham indicated that SFC needs to be the venue to discuss. As a decision could not be made, it was moved to table the motion and send the courses back to Biology to bring forward to SFC at a later date.

MOTION: That the Faculty of Science Council table the Omnibus Motion: approving the new grad courses BIO 701, BIO 707, BIO 715, BIO 716, BIO 725, BIO 726, BIO 727 and BIO 730.

Norm T. / 2nd Rebecca R. / All in favour; unanimous; carried

- 6.1.4 Proposal New Grad Course BIO 701 Molecular Biology
6.1.5 Proposal New Grad Course BIO 707 Applied Biotechnology
6.1.6 Proposal New Grad Course BIO 710 Plant Ecology
This course is cross-listed with GEOG 710 and they appear to be very different. The learning outcomes for BIO 410 and BIO 710 are identical. It was decided to send BIO 710 back to Biology for clarification.
6.1.7 Proposal New Grad Course BIO 715 Cancer Biology
6.1.8 Proposal New Grad Course BIO 716 Evolution
6.1.9 Proposal New Grad Course BIO 725 Medical Microbiology
6.1.10 Proposal New Grad Course BIO 726 Environmental Microbiology
6.1.11 Proposal New Grad Course BIO 727 Advanced Current Topics in Genetics
6.1.12 Proposal New Grad Course BIO 730 Forest Ecology
6.1.13 Proposal New Grad Course BIO 796 Advanced Biological Topics

The credits for this course should be 3 and only indicate 1. It was decided to send this course back to Biology for clarification as well.

MOTION: That the Faculty of Science Council table BIO 710 and BIO 796 courses and send back to Biology for clarification.

Noham W. / 2nd Steve M. / all in favour; unanimous; carried

- 6.1.14 Proposal New Grad Course GEOG 700 Advanced Research Topics
- 6.1.15 Proposal New Grad Course GEOG 702 Quaternary Processes and Environments
- 6.1.16 Proposal New Grad Course GEOG 710 Plant Ecology
- 6.1.17 Proposal New Grad Course GEOG 719 Paleoecology
- 6.1.18 Proposal New Grad Course GEOG 754 Geospatial Data Analysis, Modeling

Steve M. requested that in light of the discussion regarding the Biology MIST Courses, all Geography courses be tabled.

MOTION: That the Faculty of Science Council table the geography grad courses GEO 700, GEOG 702, GEOG 710, GEOG 719 and GEOG 754.

Steve M. / 2nd Noham W. / All in favour; unanimous; carried

- 6.1.19 Proposal New Grad Course MATH 715 Ordinary Differential Equations
- 6.1.20 Proposal New Grad Course MATH 738 Advanced Linear Algebra
- 6.1.21 Proposal New Grad Course MATH 744 Metric Spaces
- 6.1.22 Proposal New Grad Course MATH 780 Selected Topics in Mathematics
- 6.1.23 Proposal New Grad Course STAT 730 Time Series and Forecasting
- 6.1.24 Proposal New Grad Course STAT 731 Data Mining
- 6.1.25 Proposal New Grad Course STAT 750 Statistical Distribution Theory

Ian A. presented the Math and Stats courses to support the MIST program.

MOTION: That the Faculty of Science Council approve the new grad courses: MATH 715 Ordinary Differential Equations, MATH 738 Advanced Linear Algebra, MATH 744 Metric Spaces, MATH 780 Selected Topics in Mathematics, STAT 730 Time Series and Forecasting, STAT 731 Data Mining and STAT 750 Statistical Distribution Theory as presented.

Ian A. / 2nd Noham W. / All in favour; 1-abstention; carried

Jeff C. presented the new physics courses to support the MIST program. He received feedback yesterday requesting minor changes: Class size maximum is 6 for each course; lecture hours to be updated to 100 hours student directed learning; and removing all mention of actual lectures from the methods of instruction.

- 6.1.26 Proposal New Grad Course PHYS 708 Advanced Topics in Physics
- 6.1.27 Proposal New Grad Course PHYS 785 Quantum Field Theory I
- 6.1.28 Proposal New Grad Course PHYS 786 Quantum Field Theory II

MOTION: That the Faculty of Science Council approve the new grad courses: PHYS 708 Advanced Topics in Physics; PHYS 785 Quantum Field Theory I; and PHYS 786 Quantum Field Theory II with minor changes.

Jeff C. / 2nd Noham W. / All in favour; carried

6.2 REPORTABLE (for information) – N/A

6.2.1 Minor Updates BIOC 701, 702 & 704 / CHEM 714, 722, 730, 731, 751 & 760

These course outlines were already passed at SFC on October 21, 2016. There were minor wording updates to correspond with the other science MIST courses being put forward.

7. REPORTS – Senate report was previously circulated by email by Norm Taylor

8. INFORMATION ITEMS

8.1 Proposed TOR & Membership Composition for the Senate Teaching and Learning Committee.

Send comments to Monique.Castonguay@ufv.ca. Deadline: Dec 7, 2016.

8.2 Upcoming changes to the General Studies Program

8.3 Call for Committee Members FIT Adjudication + Teaching Excellence Adjudication

The Provost's office is seeking up to 5 faculty reps for FIT and TEASC is looking for 1 science rep for the committee.

8.4 Physics Revised Standards are complete and have been forwarded to the Vice Provost's office.

9. ADJOURN

Next Meeting: December 2, 2016 @ 1:00 pm – **Room D213**

MOTION to Adjourn: unanimous; carried