

## SCIENCE FACULTY COUNCIL MINUTES

Friday, September 10, 2021 - Virtual

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**Chair:** Lucy Lee, Dean

**Present:** Ian Affleck, Carolyn Atkins, Nathan Bialas, David Chu, Karen Cooper, Robin Endelman, Kseniya Garaschuk, Golfam Ghafourifar, Sandra Gillespie, Longlong Huang, Jonathan Hughes, Jesper Johansen, Ruwan Karunanayaka, Anna Kuczynska, Justin Lee, Carlos Leon, Hongfei Li, Olav Lian, Lin Long, Cindy Loten, Stan Manu, Mariano Mapili, Pedro Montoya-Pelaez, Stefania Pizzirani, Afia Raja, Alan Reid, Greg Schmaltz, Jake Spooner, Terry Starr, Tony Stea, Shaun Sun, Jason Thomas, Ben Vanderlei, Jane Webb, Frank Zhang

**Recorder:** Janice Nagtegaal

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### 1. WELCOME

### 2. AGENDA and MINUTES

#### 2.1. Adoption of Agenda

**MOTION:**

THAT the Science Faculty Council adopt the agenda as presented.  
*Tony S. / 2nd Pedro M.; all in favour; adopted.*

#### 2.2. Approval of the Minutes - May 28, 2021

**MOTION:**

THAT the Science Faculty Council approve the minutes of May 28, 2021 as presented.  
*Jonathan H. / 2nd Alan R.; all in favour; approved.*

### 3. DISCUSSION / DECISIONS

#### 3.1. Call out for Faculty of Science Strategic Plan Committee

The Faculty of Science will be developing a strategic plan which will align with the University's integrated Strategic Plan. It will include our views on equity, diversity, inclusion, and internationalization. We are looking for 6-8 volunteer science members from all areas to join the committee to be chaired by the Associate Dean, Ian Affleck. Stefania, Pedro, Alan Reid, Kseniya, and Afia volunteered.

#### 3.2. Upcoming Fall session (added after approval of agenda)

Clarification was requested on procedure when a student tests positive for Covid. The investigation/tracing is handled by Fraser Health. Discussion followed. A Covid information sheet was sent to instructors last year and it would be helpful to have an updated form sent out. Lucy will follow-up with Shane from Health and Safety.

**ACTION:** Lucy to follow up with Shane from Health and Safety regarding an updated Covid Information Sheet for instructors.

**4. FSCC (Curriculum Committee) - Ian Affleck**

For Decision:

**4.1. BSc Program Update**

Ian provided the rationale for the proposed changes.

He further clarified the definition of abstaining: to be eligible to abstain from voting you have a conflict of interest with the motion or do not have sufficient knowledge of the subject in order to cast an educated vote.

**MOTION:**

THAT the Science Faculty Council approves the proposed changes to the BSc program as presented.

*Tony S. / 2nd Jane W.; all in favour; approved.*

**4.2. New course proposal - ENV 330: Sustainable Fashion**

This course originally came through SFC and CAC as information only but was to be voted on at SFC.

**MOTION:**

THAT the Science Faculty Council approve the new course ENV 330: Sustainable Fashion as presented.

*Jonathan H. / 2<sup>nd</sup> Cindy L.; all in favour; approved.*

**4.3. Bachelor of Environmental Studies Program Change**

Jonathan spoke to the calendar copy revisions. Tony noted that BIO 340 was not included and it is an ecology course. Stefania will follow up.

**MOTION:**

THAT the Science Faculty Council approve the revisions to the Bachelor of Environmental Studies program as presented.

*Afia R. / 2<sup>nd</sup> Jonathan H.; all in favour; approved.*

Ian spoke to agenda items **4.4 - 4.8** (MATH 110, 125, 140, 141 and 225) and provided the rationale for the changes requested.

**4.4. MATH 110: Pre-Calculus Math (6-year review)**

**4.5. MATH 125: Introduction to Discrete Mathematics (6-year review)**

**4.6. MATH 140: Algebra and Functions for Business (6-year review)**

**4.7. MATH 141: Calculus for Business**

**4.8. MATH 225: Topics in Discrete Mathematics**

**OMNIBUS MOTION:**

THAT the Science Faculty Council approve the revisions to **MATH 110, MATH 125, MATH 140, MATH 141, and MATH 225** as presented.

*Mariano M. / 2nd Cindy L.; all in favour; approved.*

**4.9. Revision to Physics major**

Lin provided the background to add the Biochemistry and Computing Science majors into the 21 credit upper level courses requirement.

**MOTION:**

THAT the Science Faculty Council approve the proposed changes to the Physics major as presented.

*Lin L. / 2nd Jonathan H.; all in favour; approved.*

Lin spoke to agenda items 4.10 – 4.13 (PHYS 311, 325, 351, and 402) and provided the rationale for the changes requested.

**4.10. PHYS 311: Statistical Physics (6-year review)**

**4.11. PHYS 325: Fluid Mechanics (6-year review)**

**4.12. PHYS 351: Quantum Mechanics (6-year review)**

It was noted that on the memo the Prerequisites and/or co-requisite box should not be checked off.

**4.13. PHYS 402: Advanced Optics (6-year review)**

**OMNIBUS MOTION:**

THAT the Science Faculty Council approve the revisions to **PHYS 311, PHYS 325, PHYS 351 and PHYS 402** as presented.

*Lin L. / 2nd Mariano M.; all in favour; approved.*

**5. FSCC (Curriculum Committee)**

For Information:

**5.1.** The FSCC is pleased to announce that Ben Vanderlei is the new FSCC Chair. Thank you to Ian Affleck for his term as Science Curriculum chair for the past 2 years.

**5.2. Chemistry Honours** - change to first-year math requirements

**5.3. Chemistry Major** - change to first-year math requirements

**5.4. GEOG 130: Geography of Canada**

Clarification on major/minor changes and whether to move the agenda item for decision. Discussed. It will continue as information and then to UEC.

- 5.5.     **PHYS 231: Thermodynamics (6-year review)**
- 5.6.     **PHYS 451: Advanced Quantum Mechanics (6-year review)**
- 5.7.     **PHYS 452: General Relativity (6-year review)**
- 5.8.     **PHYS 455: Solid State Physics (6-year review)**
- 5.9.     **PHYS 458: Introduction to Nuclear Physics (6-year review)**
- 5.10.    **PHYS 481: Advanced Mathematical Physics (6-year review)**

## 6.     **REPORTS**

### 6.1.    **Dean's Report - Lucy Lee**

- The mandate for masks continues until middle of October. Faculty who are instructing in front of a class are exempt if they are 2 meters apart from the students or if there is a plexiglass partition. Lucy advised that the Dean's office has purchased clear masks which are anti fog. Discussion followed.
- A request was made to have Facilities reset the classrooms with the desks 2 meters from the front after they sanitize. Lucy advised that plexiglass is to be installed at the front of classrooms but is not sure of when that will happen. She will also follow up with plexiglass in the Math Centre. Students are required to wear masks in class unless they have an exemption. There are several areas on campus where extra masks are available. Lucy will re-share the list of stations.
- Science Social event held yesterday in K-Building patio and was well attended.
- Lucy will be away September 30 - October 7 to attend a conference in Halifax.
- A place name tour has been scheduled for September 15. If interested in attending, please contact Janice.
- National Day of Reconciliation is September 30.
- The Math and Stats department has moved to T-Building. The entire 3rd floor of D-Building will be under renovation.

<b>ACTION:</b> Lucy will share the list of stations where extra masks can be obtained; and follow-up on installation of plexiglass in the Math Centre.
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### 6.2.    **Advising - Karen Cooper**

Advising is now open to students. Virtual and phone appointments are still available if students wish. No personnel changes in the science area. Advising will now be taking on the agriculture programs.

### 6.3.    **Indigenization and EDI**

Training courses are available through the Teaching and Learning Centre:  
<https://events.ufv.ca/tlc/>

### 6.4.    **Senate - Jonathan Hughes**

Pedro has volunteered to be our second representative on senate. Senate has not met so nothing to report.

- 6.5. **Gradescope** <https://www.gradescope.com/> - Cindy Loten  
Mark Gebhardt from Turnitin will be providing a virtual demonstration following SFC.  
Cindy will ask if the session can be recorded.
- 6.6. **Students** - N/A  
Nominations for Student Representatives for the 2021/2022 year are currently in process.
- 6.7. **Other Reports** - N/A

**7. INFORMATION ITEMS**

- 7.1. There is a vacancy on Senate for a Faculty of Science Senator. This position is a three-year term, until August 2024. If you would be interested, please visit the Senate website and complete and submit the form available here:  
<https://www.ufv.ca/secretariat/get-involved/board--senate-vacancies/>. The position is being filled on a first-come, first-serve basis.
- 7.2. Science Rocks! Days' first day camp will be held Saturday, October 16<sup>th</sup> at the Abbotsford Campus for kids ages 9-11. Special thanks to our Science Rocks work study students, Annabelle Czihaly and Rhien Hare, for their amazing work over the summer putting these day programs together. For information on the Fall days  
<https://ufv.ca/science/science-in-the-community/science-rocks/science-rocks-days/>

**8. ADJOURN - 2:10 PM**