

## SCIENCE FACULTY COUNCIL APPROVED MINUTES

Friday, May 31, 2013, 1pm – Room B132

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CHAIR: Lucy Lee

PRESENT:

Ali Fotouhi	Grant Fritzke	Karen Cooper	Rilla Apostolakis
Allan Arndt	Gregory Schmaltz	Karina Chow	Robin Endelman
Ben Vanderlei	Ian McAskill	Kathy Peet	Sandi Sasaki
Carmen Herman	James Bedard	Landry Dorsett	Shelley Drysdale
Cynthia Loten	Jane Webb	Leon (Lixin) Pan	Susan Milner
Darlene Carson	Jason Ho	Lucy Lee	Tim Cooper
David Fenske	Jason Thomas	Patrick Harrison	Tony Stea
Edward Lo	Jeff Chizma	Paul Franklin	Wendy Gracey
Gabriel Murray	Joss Ives	Peter Mulhern	

REGRETS: Alida Janmaat (Sabbatical), Beth Gillespie, Camilo Martinez, Christine Dalton, David Chu, Derek Harnett, Godwin Choy (Sabbatical), Greg Schlitt (Sabbatical), Norm Taylor (Sabbatical), Ron Wilen, Sharon Gillies (Sabbatical), Stan Manu, Steve Marsh

RECORDER: Melinda Saretzky

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### 1. GUESTS and INTRODUCTIONS

Welcome to Ian McAskill, Acting CIS Department Head

Thank you to Paul Franklin and Dan Harris for their contribution and hard work this past year.

### 2. AGENDA and MINUTES

#### 2.1. Adoption of Agenda

MOTION: That the agenda for today's Faculty Council meeting be adopted as presented.

*Moved by Patrick H. /Seconded by Grant F. All in Favour. Carried.*

#### 2.2. Approval of the Minutes

MOTION: That the minutes of the April 5, 2013 Faculty Council meeting be approved as presented.

*Moved by Carmen H./Seconded by Allan A. All in Favour. Carried.*

### 3. DEAN'S REPORT

#### 3.1. Inaugural Science AAwards

Lucy congratulated the Faculty as a whole on their high level of excellence in all areas.

AAAward - Ben Vanderlei

Terrific Teaching - Joss Ives – was also nominated for the UFV Teaching Excellence Award

Outstanding Outreach - Susan Milner, was also nominated for the Betty Urquhart award.

- Next Mathmania event in Hope at Coquihalla elementary — if you would like to volunteer , contact Susan Milner

Superb Service - Dual Recipients - Karen Cooper & Ron Wilen

Remarkable Research - Derek Harnett

- Math Department will have an Interim Department Head for starting in the Fall
- Sandi Sasaki is retiring this Summer- a reception will be scheduled
- Science Advice Centre – Jeff Chizma will be the new Faculty Science Advisor for the next 2 years, replacing Tim Cooper
- Science Grad Event was cancelled due to low student interest again. This event will be looked at in a different way next year
- Network and Internet connections seem to be slow. Please take note of any broken links and forward those to the appropriate department as they may not be aware

ACTION: Lucy to meet with ITS to look into Slow internet issues.

#### 4. BUSINESS ARISING FROM MINUTES

##### 4.1. Scholarship, Service and Teaching – Update

Committee Report – A report is being drafted in consultation with the departments and will be circulated for review at that time.

A response from the Ministry of Education is pending regarding scholarship, service and teaching.

##### 4.2. Proposed changes to General BSc Requirements-re: Computing Science – Department Updates

RE: Adding CIS 110/BUS 160 as an option to the BSc requirements alongside COMP 125

Report from the CIS department – suggests that CIS 110 is not quite appropriate as a requirement but suggests that a new course could be created. For example, COMP 100 could be resurrected. Ideas from other departments are welcome.

DISCUSSION:

BIOLOGY report – would like to see some more choices offered see section #5.2

ACTION: Departments: discuss at department meetings and bring forth ideas to the committee.

#### 4.3. Advising Review – Update

External recommendation

Upper management will be meeting to discuss the overall view from the different areas.

NOTE: Program Reviews are very important in terms of provincial ranking

### 5. DISCUSSION and DECISION

#### 5.1. Policy #105 – Review - Assignment of Course Credit

Course credit is the measure of content in a course.

##### DISCUSSION:

- Workload - 3 credit and 4 credit courses are treated the same
- Credit hours are based on tuition rates as well

Should be reviewed at the department level; please provide feedback to Lucy.

#### 5.2. Bachelor of Science Requirements – Discussion

Biology Department – opens discussion about trying to reduce the level of requirements to the BSc to create an area where students can have more breadth options.

- Research from other institutions shows about 50% require one calculus course and the other 50% require more.
- Would like to explore the possibility of removing the COMP course and the second Calculus course from the BSc requirements and letting the departments decide on their own whether they are essential components to their degree program

##### DISCUSSION:

- Biology, Chemistry, and Physical Geography do not have a lot of room for electives
- Math and Physics currently have lots of room for electives
- An alternative could be to change the credit value requirements versus the course requirements
- Could Possibly reduce the English requirements
- Biology requires 14 lower level Biology courses (versus 7 for other disciplines) and does not have any room for electives
- Changing the requirements could alleviate the large waitlists for biology courses
- Suggest that students receiving a science degree should require some kind of computing course, and if the current courses are not relevant for all disciplines, then an alternative could be discussed
- Is it essential that a second calculus course be required for all disciplines?
- If the BSc requirements were less restrictive, it would allow room for more electives and make it easier for students to earn their degree
- Another possible solution is to force students to take additional courses elsewhere

ACTION: Departments: discuss their individual BSc requirements and bring forth to FSCC. A special meeting will be scheduled to invite guests for more discussion

## 6. FSCC (Curriculum Committee)

### 6.1. Significant Changes

#### 6.1.1. BIO 111 – Changes to Prerequisites

Changed the prerequisite grade requirements to try and improve student success. Reports indicated that students that received a C+ or higher in the high school courses were more likely to succeed.

MOTION: To approve changes to the prerequisites of BIO 111 by adding grade requirements as presented and forward to UEC.

*Moved by Dave F./Seconded by Allan A. All in Favour. Carried.*

Note: BIO 093 is available if students wish to upgrade their Biology

#### 6.2. BA, Geography Major – Removal of the Geographic Information Systems Concentration

For information only – this course is now redundant

#### 6.3. Science Major/Minor options within the BA

For information - would like to allow more science options within the Bachelor of Arts program.

Note: Other institutions are also combining majors

#### 6.4. New Course Outline - Draft

Deadline for suggested changes is June 4<sup>th</sup> – send email to [melinda.saretzky@ufv.ca](mailto:melinda.saretzky@ufv.ca)

## 7. Other Reports

### 7.1. London International Youth Science Forum

July 24 – August 7<sup>th</sup>, 2013 [liysf.org.uk](http://liysf.org.uk)

A total of four candidates submitted applications. Two were shortlisted and provided a presentation to the faculty - John Andrew Alexander was chosen to represent UFV.

## 8. Information Items

### 8.1. Lab Waitlists

An adhoc committee is meeting next week to discuss this issue – see Carmen for details.

### 8.2. Education Plan Updates – Re-rank program proposals

A form for updates has been created by the VP academic will be distributed in the near future. Changes include the BSc Agriculture program and the Mechatronics program.

The Physics department has voted to re-rank the Mechatronics program ahead of the Medical Physics program.

The Mechatronics proposal was presented at this time to explain the rationale. A vote is needed from the Faculty Council to update the Educational Plan (see Item 8.4)

### 8.3. Bachelor of Agriculture Proposal

### 8.4. Mechatronics Program Proposal

A presentation was shown.

- 2 year diploma (16 courses) with a 1 year entrance requirement
- A poll from UFV students showed that 70 students were interested in this program and the only other similar program is at BCIT which means the demand would be much higher
- Employers were consulted and 4/5 employers said that they would definitely hire students with this credential
- This program will not cost anything but will have a surplus of 15,000 dollars
- This is a very hands-on program and is geared towards students who want to go straight into the work environment
- This will tie into the physics program
- It is expected that this program will be popular with the International Students
- Is looking to collaborate with other Mechatronics programs in other universities
- The program will be called Engineering Physics Diploma

MOTION: To re-rank the programs within the Education Plan and switch the Medical Physics Program with the Mechatronics program.

*Moved by Tim C./Seconded by Carmen H. 1 abstained. Carried.*

Comments and feedback can be sent to Tim Cooper.

### 8.5. Teaching and Learning Advisory Council – Call for two Science representatives

Seeking one more Science Representative; Joss Ives will continue as a representative.

Senate Awards Subcommittee is also seeking one faculty representative.

### 8.6. Faculty of Science International Liaison

- Term ends August 31<sup>st</sup> – If there are no other volunteers, Carmen is willing to continue on as a representative
- New International Director starts on June 1<sup>st</sup>
- Four Brazilian students chose research and the rest chose Internship because they wanted to have experience in the industry
- Carmen was unanimously reappointment

## 9. Adjourn

Next Meeting September 6, 2013 at 1pm - Room TBA

*Moved by Patrick H. /Seconded by Tony S. All in favour. Carried.*