
Faculty of Science

FACULTY COUNCIL
THURSDAY, OCTOBER 15TH, 2015

Approved Minutes

Guest Speakers:

Chelsea Corsi, TRU Wellness Coordinator **re: Student engagement - 1st year**

- Pilot in January (mid-January) and we need volunteers please. Please let me know via email: ccorsi@tru.ca **by Nov 15th**, it is only 10 minutes per week and under an hour and half for semester – please see the attached PowerPoint and/or email me for more information

Tracy Penny Light, Executive Director of Centre for Student Engagement and Learning Innovations **re: Evaluations – update**

- Chair of the Senate Teaching and Learning Committee. Our goal is to have institutional data and to give students a way to give us feedback. We need your feedback by the end of this month. We will be having focus groups and remember it is a gradual roll out

Tanya Elias, Manager Planning & Effectiveness, Open Learning **re: Moodle updates**

- We will be sending something out very soon, the goal is to get OL courses onto Moodle, and to have one system for everyone to use. This will take a few years, if you are using blackboard, it will be phased out. Please also check out the website re: Learning Environment presentation: https://kumu.tru.ca/Documentation:Learning_Environment

Liam Regan, Manager, Print Services **re: new photocopiers**

- Cost savings and more efficient, the goal is to be able to use your code at any machine across campus. In the near future your user code will be attached to your departmental budget for direct billing. Remember that if you are printing large quantities that over 250 single sided or 125 double sided it is cheaper to go print services

Announcements:

- Welcome to Visiting Scholars: Matteo Daghigho (Jon Van Hamme) and Rubi Romero (Sharon Brewer)

Dr. Matteo Daghigho (using office S114) is visiting from <http://www.unimib.it/go/102/Home/English> for 6 months. He is working on mine reclamation projects from the perspective of characterizing microbial communities using sequencing tools. He is involved with a project at Mount Polly and a second project at Highland Valley Copper Mine as part of collaborative work with Lauch Fraser, Wendy Gardner, Tom Pypker, Jon Van Hamme, and others. Matteo is also sequencing some bacterial genomes for other projects.

Dr. Rubi Romero, (using office S170) and is here until August, 2016: she is a **Chemical Engineering Professor** from Universidad Autónoma del Estado de México and is a TRU Visiting Scholar in Physical Sciences (Chemistry).

Dr. Romero is spending her sabbatical year here at TRU working on a wastewater degradation project in collaboration with Sharon Brewer in Chemistry on a project with in the area of wastewater treatment using catalysts synthesized in Mexico:
Investigation of the Degradation of Acetaminophen by Photo-fenton and Photo-fenton-like Reactions using Iron and Copper Pillared Clays.

Rubi hopes that there will be more collaboration and future exchanges of faculty and students between our two institutions. Rubi is also taking some EASL courses as she is hoping to improve her English during her sabbatical – so please converse with her!

- Welcome to our new student representative: **Brandon Hayashi**
- TRUFA meeting immediately after (Marten Lettinga)
- Strategic Investment Fund, aka Strategic Initiatives Fund

1. **Adoption of Agenda/Minutes** - approved

2. **New Business**

- We need a Senate representative, we have one nomination: Nela has put her name forward. By acclamation the Faculty of Science puts Nela Mora Diez's name forward as the Science representative on the Senate Committee

- **Motion** (Department of Chemistry – forwarded by Nela):

The BIG Little Science Centre (BLSC) is dedicated to developing a passion for science in our community. Given that TRU will prioritize entrepreneurial collaboration and social enterprise that mutually benefits the university and the communities we serve in (Strategic Priorities) and for the sake of recruitment, outreach and education, the Faculty of Science strongly requests that future **space planning** include the existence of BLSC within the TRU campus in Kamloops.

Motion seconded by: Norm Reed (to be posted on Moodle for voting)

- Discussion of Eureka being on campus and these two entities offering similar courses. Would need communication and coordination. Nela: BLSC has meetings once a month, everyone invited
- Parking? To be discussed at another time if we could find them space
- Surinder Dhanjal – **re: Western Canadian Conference on Computing Education (WCCCE-2016)** hosted by TRU Computing Science on **May 6th & 7th, 2016**
 - Please help Surinder if you've have done something similar

3. **Old Items:**

- **Results of Moodle Votes for: Promotion & Tenure Committee 2015/2016 Academic year:**

The motion passed from the Sept 17th meeting and has been approved: By way of this email I am submitting the following list of faculty for approval by Science Faculty council to serve on the Science promotion and tenure committees. I would like to nominate this entire slate of colleagues as our Promotion and Tenure Committee for the 2015/2016 academic year (Dennis Acreman, Chair of the Science DPTC):

Scott Mann, Deb McWade, Robina Manfield, Tom Dorval, Sue Purdy, Rick Brewster, Roger Yu, Lauch Fraser, Nela Mora-Diez, Bruno Cinel, Sharon Brewer, Richard Taylor, Karen Ross, Shane Rollans, Faheem Ahmed, Normand Fortier, Adriana Stefan, Mark Paetkau,

4. Reports

i) Senate Report – David Sheets (report attached)

Other Senate Committees:

- (a) **Budget Committee of Senate** – Normand Fortier & Dave Tomkins (report attached)
- (b) **Senate Educational Programs Committee** – Joanne Rosvick (no report)
- (c) **Senate Instructional Development and Support Committee** – Nancy Van Wagoner (no report)
- (d) **Senate Promotion Committee** – Norm Reed (no report)

ii) Committee Reports:

- (a) **MSc Coordinating Committee** – Wendy Gardner (no report)
- (b) **Education Planning Committee** – Eric Littlely (report attached)
- (c) **Academic Standards Committee** – Linda Mueller (no report)
- (d) **OL Report** – Bryan Daly (no report)
- (e) **Recruitment and Retention Committee** – S. Watson/M. Lemphers (report attached)
- (f) **Science Health and Safety Committee** – C. Taylor/M. Lettinga (see info below)

In an attempt to continue to support a proactive approach to health and safety while also keeping everyone aware of the current issues the Faculty of Science/School of Nursing Health and Safety Committee are dealing with, final copy of monthly minutes is available at the following link:

<http://www.tru.ca/science/about/sciencehealth/committee/minutes.html>

Should there ever be any safety questions/concerns that you can't find answers to yourself, please funnel your questions/concerns through your committee representative who will ensure it is addressed at the next monthly meeting, (October 2015 TBA). A list of current reps can found at: <http://www.tru.ca/science/about/sciencehealth/committee.html>

Have a Safe and Healthy term! Colin Taylor and Marten Lettinga, Co-Chairs

- (g) **Steering Committee** – Tom Dorval (no report)
- (h) **Awards Committee** – Nancy Flood (no report)
- (i) **Research Committee** – Surinder Dhanjal/Sean McGuinness (no report)

iii) Dean's Report – Bean Counting, Problem Solving, Planning, and Rumours

Bean Counting:

- Enrolments are up 6% and our 2nd quarter financial review went well, we were very close to where we said we'd be

Problem Solving and Planning:

- Our Service plan is due to the Provost in 2 weeks, I've been working in conjunction with each Chair

REPORTS

Senators' Report from *September 28, 2015 Meeting to Science Faculty Council*

(by: David Sheets and Cynthia Ross Friedman)

Agenda package: <http://www.tru.ca/senate/agendas.html>

There was no business arising from the minutes of June senate meeting.

The President's report is contained within the Senate meeting agenda package. President Shaver reported a successful 45th Anniversary celebration for our institution with an estimated 1500 attendees. The report highlighted a number of achievements of Faculty of Science members:

Achievements

- **Brad Gunter**, Science student, was named a CIS First Team All Canadian in men's volleyball for the second straight year
- **Jackson Kusack**, Biology major, received a [Society of Canadian Ornithologists Student Presentation award](#) at the 2015 Ornithology Meeting of the American Field Ornithologists, Society of Canadian Ornithologists and Wilson's Ornithological Society
- **Iuliia Pakhomenko**, Master of Science student, was the first WolfPack women's volleyball player named a CIS All-Star when she was named to the second team
- **Carlee Poleschuk**, pre-med Science student, was [interviewed by TRIUMF about her eight-month co-op term](#) at the national particle and nuclear physics lab's Nuclear Medicine department, on a project collaborating with the BC Cancer Agency to find alternate methods to diagnose triple negative breast cancer
- **Emma Piggini**, Science student, and head coach **Scott Reeves** represented Canada at the Federation of International Basketball Association (FIBA) Under 19 World Women's Championship in Chekov, Russia, where they finished eighth

Credentials earned

- **Christina Mohr**, Physical Sciences: MEd in Leadership in Learning, University of Prince Edward Island
- **Heather Noyes**, Respiratory Therapy: MEd in Leadership and Curriculum, Thompson Rivers University

Journals

- **Lyn Baldwin**, Biological Sciences, Jones, N. T., R. M. Germain, T. N. Grainger, A. M. Hall, L. Baldwin and B. Gilbert. "Dispersal Mode Mediates the Effect of Patch Size and Patch Connectivity on Metacommunity Diversity." *Journal of Ecology*. 103 (2015): 935– 944
- **Lauchlan Fraser**, Natural Resource Science Fraser, Lauchlan et al. "Worldwide Evidence of a Unimodal Relationship Between Productivity and Plant Species Richness." *Science*. 379.6245 (2015): 302-305.

The Provost and Vice-President Academic brought the Accreditation Self--Evaluation Report to Senate to seek endorsement. Some Faculty expressed concern of lack of consultation with their particular faculty/school/division. Senate voted in favour of endorsement of the report. The sub-committee is accepting further feedback. The Self--Evaluation Report will go to the Board of Governors for approval on December 4, 2015.

2 presentations at Sept Senate: (1) The Canadian Bureau for International Education (CBIE) Internationalization Statement of Principles; (2) Canadian University Survey Consortium (CUSC) Report.

Lian Dumouchel, Director, Global Engagement presented the CBIE Internationalization Statement of Principles, summarizing that the statement is “supportive of excellence in the policy and practice of internationalization at Canadian institutions”. The Senate International Affairs Committee (SIAC) endorses the CBIE statement of principles (2014) which are believed to be a good fit for TRU (pages 41-42 of Senate agenda). Some Senators supported the idea of including principles regarding democracy in the country of origin, a suggestion that was taken under advisement by the presenter on behalf of the SIAC.

Results of the CUSC 2015 survey of graduating students were presented (pages 43-60 of Senate agenda). Overall satisfaction rates appear to be on par with peer institutions and the Canadian average. Of interest possible, TRU average exceeded Canadian average in many of the Professor related variables.

Budget Committee of Senate, Oct. 6. 2015, meeting (by: Normand Fortier)

TRUSU Budget Presentations: Following consultation with students, TRUSU presented its key priorities for the 2016-2017 budget: Enhance course offerings, (2) improve academic advising (first and second years), (3) improve parking.

International Tuition fees:

New tuition fees for international students have been approved. Instead of a flat fee of \$7900 per semester, it will be replaced by a flat fee of \$6900 for the first 4 courses and \$500/credits thereafter. As a result, students taking 4 courses (or less) will pay less, and those taking more than 4 courses will pay more than with the current model.

Enrolments reports:

Fall 2015 stable course enrolments (Kamloops campus, domestic & international) relative to Fall 2014

Tourism:	- 68	(-4.0%)
Arts:	-107	(-1.6 %)
FOHSED:	-168	(-4.0%)
Law:	+250	(+15 %)
Science	+465	(+6.6 %)
Student Dev.:	-45	(-17 %)
Business:	-363	(-6.0 %)
Nursing:	-55	(-3.6 %)

Overall the change in course enrolment relative to 2014 is -0.3 %.

2016-2017 (Current) Budget assumptions (in \$M)

Revenues	\$178.4
Expenses	<u>\$178.8</u>
	(\$0.4)
Reserves	
Board Reserves	\$1.0
Special purpose and International reserves	\$1.0
Capital	<u>\$1.0</u>
	(\$3.4) (or 1.9 % of revenues)

Faculty of Science Educational Programs Committee Meeting of September, 2015

(by: Eric Littley)

The following courses and program changes were approved:

Anesthesia Assistant Diploma Program Changes

Last spring, the committee approved the majority of the course changes required by this program change, and now the program change itself was presented. The committee did not find any fault with the proposal, and it was passed unanimously.

Astr 1141 and 1151

These are new OL courses that mirror existing campus courses, namely Astr 1140 and 1150. The course proposals were previously approved, prior to course development, and approval was sought for the now-developed courses. The committee approved the new courses unanimously.

Chemical Biology Program Changes

Changes to this program consisted of dropping Biol 4150 (Biochemical Techniques 1) as a required course and adding Biol 3010 (Bioinformatics) and Chem 4400 (Advance Analytical Lab) as Chemical Biology Electives. It was pointed out that this change had been approved as a one-time approval, as otherwise students would be unable to graduate in June 2016, and that without approval of this change now, students may not be able to graduate in June 2017. The necessity to drop Biol 4150 has arisen due to the retirement of Ron Smith, and we lack a combination of workload capacity and expertise to offer this course. A lively and frank discussion ensued, debating the relative role of pedagogical considerations versus workload, expertise and financial limitations.

In the end, the committee voted to unanimously support this change, with a feeling that it should be revisited should the capacity to offer this course return.

Comp 2681

This website design course is an OL offering that mirrors the campus Comp 2680 course. This request was the request for approval of the final, developed course that emerged from the previously approved proposal. The committee unanimously approved the course.

Geol 2051

This course is an OL course back for final approval, now that the development was complete. Nancy van Wagoner pointed out that this course represented a revision of her Geol 2050 course, and that the revision of the Geol 2050 course should have happened in a similar fashion, but was lost in the conversion to Curricunet fiasco. The committee approved the course, with Nancy van Wagoner abstaining.

Math 1650 and 1700

These courses had minor changes to their prerequisites to bring them in line with the requirements of the BCS degree. The committee unanimously approved the changes.

Student Recruitment and Retention Committee for Science Faculty Council (by: Sheri Watson/Mike Lemphers)

Upcoming events:

TRU Fall Open House Saturday Oct 17th

Science will be participating in the TRU Fall Open House. By hosting this event on a weekend, the goal is to attract more potential students from not only our local region, but also from the Fraser Valley and Lower Mainland. Science will be participating in the Open House in the following ways:

- *A Science information session* will run from 11:00-12:00 in s203 where students from each Science program will give a brief over view of what they like best about their program and then using a “Speed dating” format parents and high school students will have the opportunity to ask questions to Faculty/students from each program.
- *Resource Fair* a table with information on Science programs will be set up in the CAC and volunteers will be available to answer questions 11:00-3:00.
- *A Tour of the Science building* will be given by Tom Dickinson for interested high school students and parents from 1:40-2:40

Freaky Friday October 30th - 3:30 to 5 pm:

A fun student run social event. Free hot dogs will be served to Science students at BeanMe up café and adjoining student room. This year it will be hosted by student clubs, CBC and BUGS, with some assistance from Faculty volunteers.

Science Info Night Thursday November 26th - 7:00 to 8:15 pm in S203:

Faculty from all areas of Science will give a brief 5 minute over view of their program to visiting high school students and their parents. A question and answer period will follow. This event differs from the Oct 17th Open house as it targets local high school students.