
Faculty of Science

FACULTY COUNCIL
THURSDAY, NOVEMBER 19TH, 2015

Approved Minutes

Guest Speaker: Lucille Gnanasihamany re: brand model and discussion ensued

1. Announcements:

- Surinder Dhanjal – re: **Western Canadian Conference on Computing Education (WCCCE-2016)** hosted by TRU Computing Science on **May 6th & 7th, 2016**
- TOM: I am pleased to announce that Joanne Rosvick is the new BSc Advisor to replace Eric
- Tom: I would like to introduce Sadie Cox, Director of Development, Faculty of Science is one of her portfolios (out of Advancement Office)
- **Addition:** Les Matthews has a visiting scholar for International Days – if interested in having him come to your class please email Les
Janice: We also have a visiting scholar for IDays and doing Science Seminar that week (Dr. Jaco Vangronsveld from Belgium)
- **Addition:** Add Nela to Senate Committee as one of the Science representatives
ACTION: Chair of Science Faculty Council to send letter to the Board of Governors
- **Addition:** Our Science Research Committee is going to meet with the Research office soon – please email the representative from your department to give them feedback to take to the meeting

2. **Adoption of Agenda/Minutes** – with amendments of Guest Speaker and report from Rick Brewster – added to the “Senate Accreditation Steering Committee” report further down the agenda

3. Old Items:

- **Results of Moodle Votes for: Motion** (Department of Chemistry – forwarded by Nela):
The motion passed from the Oct 15th meeting: 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.**

- **Results of Moodle Votes for: Motions** (Science EPC – forwarded by Eric):

The motions passed from the Oct 15th meeting for changes to courses/programs:
Anesthesia Assistant, ASTR 1141-1151, CHEM/BIOLOGICAL, COMP 2681, GEOL 2051,
MATH 1650-1700

4. New Business

- Course Evaluations – discussed Fluid, Pilot project, Moodle
- Undergraduate apprenticeship awards: Sharon spoke as to the application and process – the faculty applies, but it's about the student. NOTE: the money is not yet used up, you can still apply (Student receives \$3,000 to help with your research) finishes March 31st

5. 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 (verbal report)

At our last meeting we had discussed a new trades program that could have implications for Science student numbers. It is the Instrumentation Engineering Technology Diploma (expecting 36 person max intake). Students completing the diploma could ladder in to 2nd year engineering as this would give them the first year credits. They could also go into 2nd year of the BSc. There would be an impact on Computing Science, Math, Physics, Chemistry and apparently there will be money to fund extra sections and lab sections.

(c) **Senate Teaching and Learning Committee** – Faheem Ahmed/Nancy Van Wagoner (report attached)

(d) **Senate Promotion Committee** – Norm Reed (no report)

(e) **Senate Accreditation Steering Committee** - Richard Brewster (report attached)

ii) Committee Reports:

(a) **MSc Coordinating Committee** – Wendy Gardner (no report)

(b) **Education Planning Committee** – Eric Littley (report attached)

(c) **Academic Standards Committee** – Linda Mueller (no report)

(d) **OL Report** – Bryan Daly (report attached)

(e) **Recruitment and Retention Committee** – S. Watson/M. Lemphers (report attached)

(f) **Science Health and Safety Committee** – C. Taylor/M. Lettinga (no report)

(g) **Steering Committee** – Tom Dorval (no report)

(h) **Awards Committee** – Nancy Flood (no report)

(i) **Research Committee** – Sean McGuinness (no report)

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

Bean Counting:

- 6.7 % increase in Fall – still tracking enrolments for winter and at about 6 %
- Pretty successful 2nd quarter budget review, \$20,000 short – missed categories, may be a greater variance

Problem Solving:

- From Senate and BCOS reports, there is a projected 2.84 % shortfall for next year
- We should plan a 2.84% reduction in our budget for next year, but our approach is to ask for 6 % increase in budget (for increased enrolments) plus the cost of supplies, etc., and then take 2.84% off our budget

Planning:

- Strategic initiative fund: There is about 1.1 million available, last year we put in for several new programs, one for expanding Engineering, Ranching, Geo-Science, Brewery, Building Science degree
- Engineering was funded entirely, the Geo-Science is in the ask for this coming year, and so too the Building Science, we have to re-submit those
- The Ranching was too preliminary so it wasn't approved, we still received money from the government, from the Ranching industry and CCBAC
- I am still working on others, namely a full Engineering degree and a MSc Data Analysis – specific to the area of Big Data

Rumours:

- What's going on with Brewing? Tom: The one that had been put forward was very expensive, the idea is still good and I think we should pursue it. I am going to Olds, Alberta (part of the Ranching program to articulate with theirs), and they have a successful brewing program there to get some ideas

Dennis: To update you on the P & T process, the committees are all meeting now, a recommendation will go from the Science Committee to the University Committee in the next 3-4 weeks. Thank you to everyone who serves on these committees to support their colleagues

REPORTS

Senators' Report - Oct 26, 2015 Meeting (by: David Sheets) - Items of significance for Science Faculty:

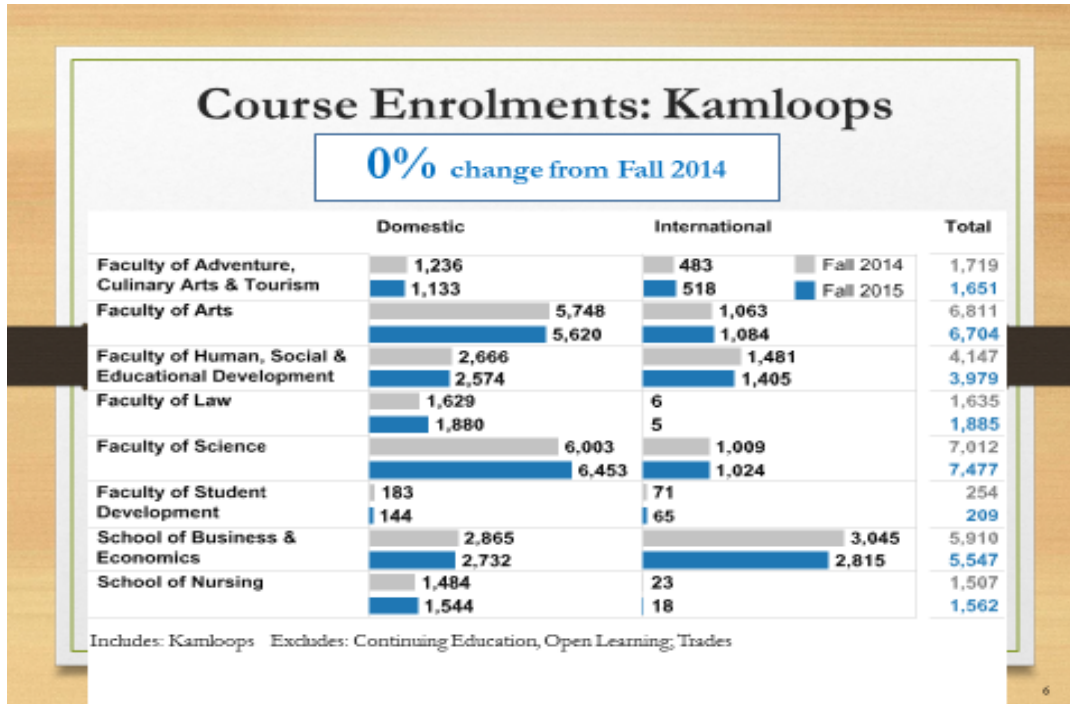
1) Budget Committee report

Rethinking Board Reserves: Each year, TRU is mandated by the Board of Governors to set aside a certain amount from its operating funds for reserves. The two reserves are the Board of Governor's Contingency Reserve and the Special Purpose and International Building Reserves. For FY2015/16, the Board of Governors approved a decrease to the Board of Governor's Contingency Reserve reducing the annual allocation from approximately \$1.9MM to \$1.0MM. This is expected to be maintained for FY2016/17. For FY2016/17, Management will request that the board rename the Special Purpose and International Building Reserve to the "Capital Reserve" and reduce it from approximately \$3.1MM per year to \$1.0MM allowing the differential of \$2.1MM to be used to fund operations. If approved, between the two reserves, in the past two fiscal years, Management will have re-directed approximately \$3.0MM from reserves to the operating budget.

Budget Reduction Targets: The following table outlines the reductions necessary to achieve a balanced budget for FY2016/17:

Portfolio	Total Operating	% of Total Operating	Portfolio Reduction	Target %
President	\$3,582,628	2.61%	\$(89,011)	-2.48%
Provost	\$99,083,291	72.05%	\$(2,461,745)	-2.48%
VP-Admin	\$23,215,499	16.88%	\$(576,794)	-2.48%
VP-Advancem	\$1,768,688	1.29%	\$(43,943)	-2.48%
TRU World	\$9,865,617	7.17%	\$(245,113)	-2.48%
Total Reduction Required in 2016/17			\$(3,416,607)	

2) Fall 2015 Enrolment Update



Course Enrolments: Open Learning

(Fiscal Year to Date: 25-09-15)

4.4% increase from last FYTD

	Domestic	International	Total
Faculty of Arts	3,777	166	3,943
	3,828	245	4,073
School of Business & Economics	3,403	369	3,772
	3,247	421	3,668
Faculty of Science	3,060	106	3,166
	3,249	152	3,401
Faculty of Human, Social & Educational Development	729	10	739
	890	14	904
OL Division Consortium	316	1	317
	205	2	207
School of Nursing	227	24	251
	302	14	316
School of Trades & Technology	85	0	85
	248	1	249
Faculty of Adventure, Culinary Arts & Tourism	28	0	28
	21	2	23

Includes: Open Learning

Excludes: On Campus; Continuing Education, Open Learning

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Headcount: All International Students On Campus

Total number of all International students on campus:

1,735

School of Business & Economics	55%
Faculty of Science	17%
Faculty of Adventure, Culinary Arts & Tourism	9%
Faculty of Human, Social & Educational Development	7%
Faculty of Arts	6%
Visiting or Exchange	5%
School of Nursing	
School of Trades & Technology	
Faculty of Law	

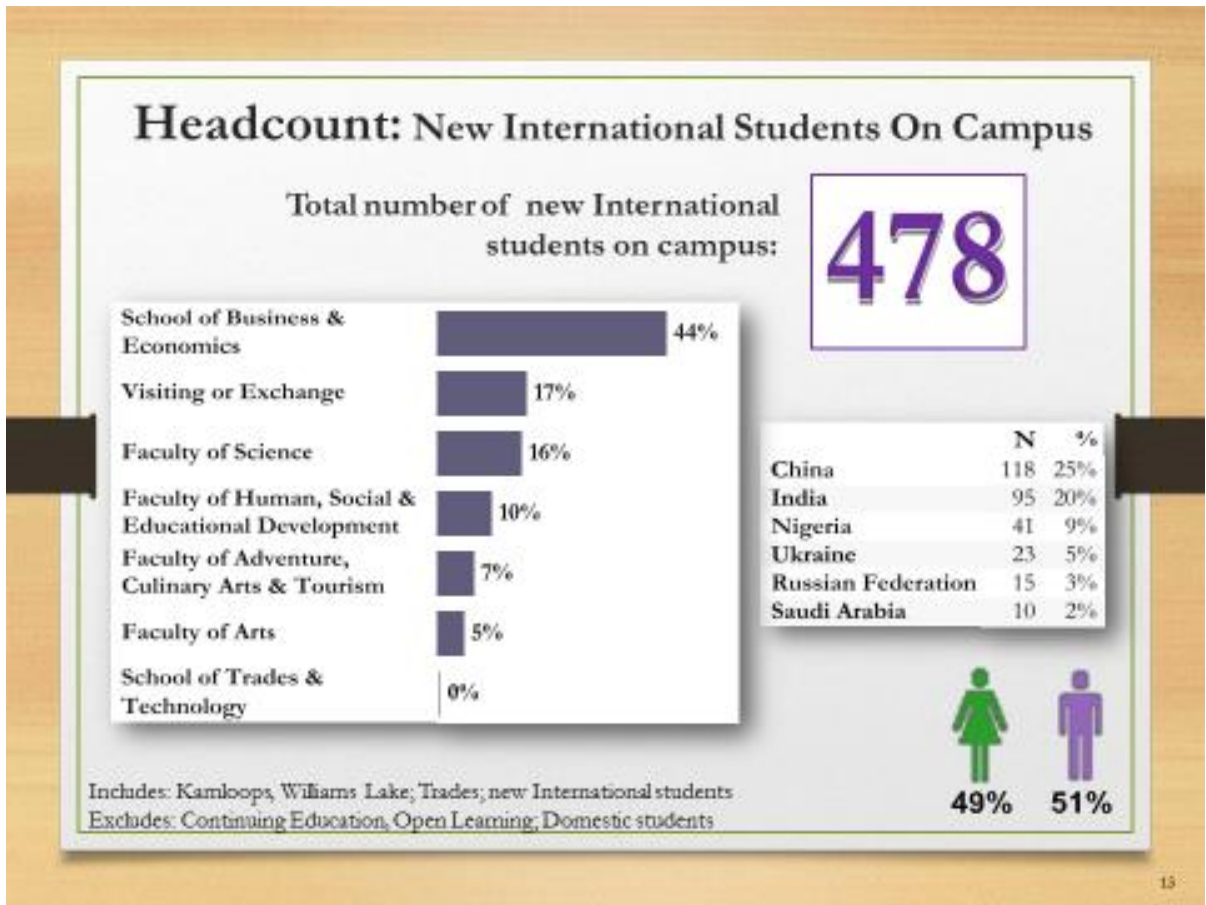
	N	%
China	556	32%
India	362	21%
Saudi Arabia	154	9%
Nigeria	126	7%
Ukraine	66	4%
Russian Federation	61	4%



Includes: Kamloops, Williams Lake; Trades; all International students

Excludes: Continuing Education, Open Learning; Domestic students

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Budget Committee of Senate (by: Dave Tomkins)

The main topic was a presentation of the Draft Quarterly budget report. For the All Funds Budget:

The budgeted amount for revenue was 178 million, while the forecast is currently 179 million. The slight extra amount is due to some additional targeted grants and that enrollment is slightly higher than expected (the budget anticipated a drop in enrollment of 2.5% - we are doing slightly better than that)

The budgeted amount for compensation (all wages and benefits) was 111 million, the forecast is currently 110.5 million. For non-salary the budgeted amount and forecast are both 66 million.

An area that exceeds budget is Equipment and Capital Projects. The budget was for 1.7 million and the actual is 6.0 million. This is due to some property being purchased, which we were told will be of 'strategic benefit' to TRU. More information on this will be forthcoming.

In summary, we were told that we are about where we were expected to be - except for the property acquisition. We were also told that this will not change any of the budget assumptions for 2016/2017.

Dave Tomkins

P.S. I am sorry that I am generally unable to attend SFC - I am in class from 10-4 on Thursdays except for a one hour break (and next term it will be 1130-4 with no break). If you have any questions, please contact Normand or me.

Accreditation Steering Committee update from Oct 27th meeting (by: Rick Brewster)

- Reminder: we are about five years into a ten year process of being accredited by the Northwest Commission on Colleges and Universities (NWCCU).
- **Yael La Rose** is back as Accreditation Liaison Office. The **Provost Dr. Christine Bovis-Crossen** is now chair of ASC.
- The membership has been changed to have a **faculty member from each Faculty**.
- The **self-evaluation report** was received and endorsed at Senate on September 28, 2015. It will be sent to the Board of Governors for approval on December 4, 2015. The draft report is available on the accreditation website.
- **Site visit** by NWCCU will occur in late April 2016.
- Further information including updates and an FAQ are available at <http://www.tru.ca/vpacademic/accreditation.html>

Student Recruitment and Retention Committee (by: Sheri Watson/Mike Lemphers)

TRU Fall Open House Saturday Oct 17th: This campus-wide event was very successful. Organizers of the event reported there was a 45% increase over last year with 306 registered participants and estimated an additional 50-100 guests were on campus for the Open House that did not register or check-in. Participants in the open house included guests from across BC and Alberta, including families who traveled from Campbell River, Calgary, Victoria, Delta, Penticton, Ponoka and Slave Lake, to name a few.

Thank you! to all our volunteers that helped with the *Science information session*, the *Science table at the Resource Fair* and a special thanks to Tom Dickinson who provided at *Tour of the Science building* for a large group (30-40 students and parents) at the end of the day!

Freaky Friday October 30th: This event was hosted by student clubs, CBC and BUGS, with some assistance from Faculty volunteers. Halloween decorations in the Bean Me up café and free hot dogs (5 dozen!) for Science students created a fun social atmosphere for all. **Thank you!** to the volunteers that helped make this a successful event!

Upcoming events:

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.

Therapy Dogs in the Science Building: During the month of November and December Therapy Dogs and their handlers will be visiting the Science Building. A great way for students to relieve some exam stress! Thank you to Donna Dallas Martin for helping to organize and make this happen!

Report Re: Senate Teaching and Learning Committee (by: Nancy Van Wagoner)

Activities:

1. The committee revised its terms of reference, changed its name and included a larger percentage of faculty (see below).
2. The committee continues to be very involved in a campus-wide student course evaluation.
3. There are currently 20 standard questions. Technology is a big issue. The university currently wishes to only support Moodle. If you have any strong recommendations with justification please let me know.
4. I would also appreciate your feedback on the course evaluation.
5. Teaching and Learning Committee Terms of reference

Membership:

Chair - A member of the Committee elected by the Committee for a two year term. No person shall serve more than two consecutive terms as Chair.

Voting Members - A minimum of two Senators approved by Senate (one must be a Dean)

- Eight faculty members; one of whom must be an Open Learning faculty member and one of whom must be an Instructional Support faculty member approved by Senate
- Two students nominated by TRU Student Union and approved by Steering Committee Ex Officio Non-Voting Members:
- Associate Vice-President Information Technology Services or designate
- Executive Director, Centre for Student Engagement and Learning Innovation
- Director or designate, University Library
- Director or designate, Institutional Planning and Analysis
- Director or designate, Instructional Development and Research Group
- Director of Innovation

Responsibilities:

- Advise Senate on policies, programs and practices to promote, support and celebrate high quality and innovative teaching and learning environments.
- Advise Senate on policies and practices for the systematic measurement of the quality of teaching and learning, and on the promotion of research on teaching and learning.
- Advise Senate on the coordination of academic policies and regulations involving the Library, Information Technology Services and Media Services.
- Advise Senate on the further development, service integration and coordination of the Library, Information Technology Services and Media Services.
- Address matters brought forward by faculty, students, Senate, the Vice-President Academic, the Associate Vice- President of Information Services, and the University Librarian.

Secretarial Support:

- Secretarial Support from the Centre for Student Engagement and Learning Innovation
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Educational Programs Committee meeting October 26, 2015 (by: Eric Littley)

Two courses were up for consideration in this meeting.

Geol 2071 – Geologic Hazards and Forensic Geology.

This Open Learning course exposes students to how the geosciences can contribute to forensic investigation, and to our understanding of geologic hazards and how they may be managed. This course parallels Geol 2070 on campus. After a brief discussion, the course was approved unanimously.

ANES 4071 – Research Skills for Anesthesia Assistants.

This Open Learning course is part of the OL Anesthesia Assistant program, and was provisionally approved in May 2015, along with a suite of new courses for this program. The committee sent this course back for further consultation at that time, as concerns were expressed that given the apparently statistical nature of the course, that appropriate expertise would be employed in the development of the course.

Further consultation has occurred in the interim, and Shane Rollans indicated that the Department of Mathematics and Statistics was reasonably satisfied that their concerns had been addressed. The course was approved unanimously.

Open Learning Enrolment Trend for the Faculty of Sciences (by: Bryan Daly)

Science continues to contribute significantly to the growth of TRU-OL Enrolments. Over the last three years, program enrolments have climbed by 167%, while course enrolments have climbed by 125%. See the summary chart below derived from: Panning Effectiveness - Enrolment Trend Request for the Faculty of Science (20 May 2015). Science offerings now represent approximately 31 % of the program and 25 % of the courses enrolments, furthermore it contributed nearly 4,700 PLAR credits, representing 68% of the total PLAR credits awarded.

See chart on next page

Program totals	FY 2013	FY 2014	FY 2015	% Inc/Dec.
Anesthesia Assistant Program	17	25	24	141%
Associate of Science	37	29	46	124%
Bachelor of Health Science	318	347	437	137%
Bachelor of Science, General	53	59	106	200%
Bachelor of Science, Biology	32	52	78	244%
Bachelor of Computing Science			64	
Medical Lab Assistant	163	202	280	172%
Grand Total Program applications	620	714	1035	167%
Courses totals	FY 2013	FY 2014	FY 2015	% Inc/Dec.
Anesthesia	99	74	76	*77%
Biology	1316	1750	1917	146%
Chemistry	372	409	397	107%
Computing	77	21	203	264%
Environmental Studies	112	95	135	121%
Geology	172	197	284	165%
Health Sciences	875	864	985	113%
Mathematics	1195	1263	1253	105%
Med Lab	413	481	508	123%
Physics	99	137	138	139%
Research	55	81	102	185%
Statistics	418	434	484	116%
Grand Total Courses	5203	5806	6482	125%

*Total enrolments in science courses April 04 to March 05 = 2763

Thank for your help in making this possible!