

BCcupms  
THE BRITISH COLUMBIA COMMITTEE ON THE  
UNDERGRADUATE PROGRAM IN MATHEMATICS AND STATISTICS

91<sup>th</sup> Articulation Meeting  
College of New Caledonia  
AGENDA Version: May 8, 2013

<b>Date:</b>	Monday, May 13, 2013—Pre-meeting event
<b>Activity:</b>	High School Math Contest Brain-storming Session
<b>Time:</b>	9:00 am–4:00 pm
<b>Room:</b>	1-314

<b>Date:</b>	Tuesday, May 14, 2013
<b>Activity:</b>	BCcupms Meeting—First Day
<b>Time:</b>	9:00 (coffee and muffins at 8:30 in 1-309)
<b>Lunch:</b>	Lunch can be bought at various locations
<b>Publishers:</b>	1-309

**Plenary Session (1-310A/B)**

1. Welcome by Darlene McIntosh, elder of the Lheitli Tenneh,
2. Adoption of the agenda.
3. Approval of the minutes of the 90<sup>th</sup> meeting, which was held at Vancouver Community College.
4. Announcements:
  - 4.1 Introduction of representatives.
  - 4.2 Attendance lists.
  - 4.3 Announcements from the host.
  - 4.4 Notice of election: At this meeting, elections for the Vice-chair and Secretary of the BCcupms will be held. These have two-year terms. Formation of a Nominating Committee.

4.5 Conferences.

5. B.C. Open Textbook Project led by BCcampus, see

<http://www.bccampus.ca/open-textbook-project/>

Mary Burgess, Director, Curriculum Services and Applied Research, via Skype. Discussion may continue under 9.2.

### **Parallel Sessions**

6. Mathematics Session—Chair: Jim Bailey—1-310A/B

6.1 Report from the Calculus Readiness Test Subcommittee. Justin Gray, David Feldman.

6.2 The Mandate, Philosophy of Colleges and the College Transfer System. Nicholas Buck.

6.3 The Value of Maple (or other Computer Algebra Systems). George Ballinger and Peggy Tilley.

i. in First Year Calculus.

ii. in Second Year Calculus.

iii. in Differential Equations.

iv. in Linear Algebra.

v. in Other Courses.

vi. in Research.

6. Statistics Session—Chair: Bruce Dunham—1-314

6.1 Approval of agenda.

6.2 Approval of the minutes of the Statistics Subcommittee Session of the 90<sup>th</sup> meeting.

6.3 Matters arising from the minutes.

6.4 Institutional reports.

6.5 Any other business.

6.6 Motion to adjourn.

### **Plenary Session**

7. Highlights from the parallel sessions (details will appear in the minutes.)

8. No Report from the Ministry of Education: Brent Munro has sent his regrets.
9. Business arising from the minutes of the 90<sup>th</sup> meeting:
  - 9.1 Report from the Core Calculus Committee (Gary MacGillivray)
  - 9.2 Open source textbooks (continuation of 5). Last year Jennifer Hyndman asked for volunteers to develop open source materials for Linear Algebra.
    - i. Does anyone know of any open source books which could be used as Mathematics or Statistics textbooks? Should we be developing a list?
    - ii. Is there anything else which we should be doing?
  - 9.3 Collaborative Offering of Under-enrolled Mathematics and Science Courses (OC, NIC, and CotR). Jim Bailey.
  - 9.4 Webmaster Report. Ian Affleck. Ian is asking for a replacement webmaster.

**Date:** Tuesday, May 14, 2013  
**Activity:** BCcupms and Secondary School Teachers  
**Time:** 4:30 p.m.  
**Room:** 1-310A/B

**BCcupms and Secondary Teachers Session (1-310A/B)**

10. Introduction and opening remarks.
11. Reports:
  - 11.1 BC Secondary Schools Mathematics Contest—Clint Lee.
  - 11.2 BCAMT—Chris Becker.
12. General discussion: further topics to be suggested by the teachers.

**Date:** Wednesday, May 15, 2013  
**Activity:** BCcupms Meeting—Second Day  
**Time:** 9:00 (coffee and muffins at 8:30 in 1-309)  
**Room:** 1-310A/B  
**Lunch:** hosted by College of New Caledonia  
**Publishers:** 1-309

## Plenary Session (1-310A/B)

13. Opening remarks.
  - 13.1 Introduction of representatives.
  - 13.2 Attendance lists.
  - 13.3 Announcements from the host.
14. Reports:
  - 14.1 BCCAT—John FitzGibbon. Topics:
    - a demonstration of the online Articulation Information Centre.
    - 2013 and 2014 JAMs.
    - Pending Requests in the Transfer Credit Evaluation System (TCES).
    - Removal of the distinction between sending and receiving institutions.
    - Block Transfer, Advanced Placement, and International Baccalaureate Transfer Guides.
    - Template or standard format for institutional reports.
    - Communication with professional organizations and agencies (request for information from BCCAT).
  - 14.2 PIMS—David Leeming.
  - 14.3 ABE—Jean McLeod.
  - 14.4 Math Challengers—Leo Neufeld.
  - 14.5 Changing the Culture—Susan Milner.
15. Keynote Speaker: Bruce Allen, Instructor in First Nations Studies.
16. Publishers' Representatives: the latest developments related to Mathematics textbooks
17. Report from the Nominating Committee; elections for the Vice-chair and Secretary of the BCcupms if necessary.
18. New business:
  - 18.1 Switching our listserv provider.
  - 18.2 The Government's **Green Paper** on the Quality Assurance Framework.

19. Institutional reports: please focus on course changes (recent and upcoming) that might influence transfer agreements and enrolment trends.

19.1 All institutions are both sending and receiving so the college-to-college transfer of Calculus I and II is no longer needed. Jim Bailey

20. Committee business:

20.1 Theme for our 92<sup>th</sup> meeting.

20.2 Date and location of the 92<sup>th</sup> meeting: May 13–15, 2014 at Kwantlen Polytechnic University.

20.3 Proposed future dates for BCcupms meetings:

Year	Meeting Dates	Victoria Day
2014	May 13–15	May 19
2015	May 12–14	May 18
2016	May 17–19	May 23
2017	May 16–18	May 22
2018	May 15–17	May 21
2019	May 14–16	May 20
2020	May 12–14	May 18

20.4 List updates: telephone, email, and fax.

21. Adjournment. Greek dinner.

Notes:

1. Please bring your own copy of this agenda and pre-approval minutes of the 90<sup>th</sup> meeting.
2. Displays of textbooks and other resources from the major publishing houses will be in room 1-309.

### Professional Development Activities

<b>Date:</b>	Thursday, May 16, 2013
<b>Activity:</b>	Sharing Mathematics Conference
<b>Time:</b>	9:00–4:00
<b>Room:</b>	UNBC 8-166

The theme for Sharing Mathematics this year is *Games Mathematicians Play*. Everyone is encouraged to attend and talk about their experiences!

8:45–9:00	Arrival
9:00–10:30	Susan Milner (UFV): Finding a way into mathematical thinking via puzzles and games
10:45–12:00	Paul Ottaway (TRU): Games for ages 8 to 88
12:00–12:45	Lunch
12:45–1:15	Jean Bowen (UNBC): Math Play
1:15–2:00	Gary MacGillivray (UVic): Research with Undergraduates
2:05–3:00	Lisa Dickson (UNBC): A Five-Finger Guide to Effective Assessment
3:00–3:45	Jennifer Hyndman and David Casperson (UNBC): Teaching the Concept of Research through Games
3:45–4:00	Closing Thoughts

Table 1: Schedule for Sharing Mathematics, 2013