

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

94th Articulation Meeting
Columbia College

AGENDA Version: May 11, 2016

Date:	Monday, May 16, 2016—Pre-meeting event
Activity:	High School Math Contest Brain-storming Session
Time:	9:00 am–4:00 pm
Room:	550/560

Date:	Tuesday, May 17, 2016
Activity:	BCcupms Meeting—First Day
Time:	9:00 (coffee and muffins at 8:30 in 550/560)
Lunch:	Lunch can be bought at various locations
Publishers:	550/560

Plenary Session (550/560)

1. Welcome by Dr. Trevor Toone, Principal, Columbia College. 09:00
2. Adoption of the agenda.
3. Approval of the minutes of the 93th meeting, which was held at Vancouver Island University.
4. Announcements:
 - 4.1 Introduction of representatives.
 - 4.2 Attendance lists; regrets from Hongbin Cui, Northern Lights College.
 - 4.3 Announcements from the host.
 - 4.4 Notice of election: At this meeting, elections for the Chairs of the BCcupms and Statistics Subcommittee will be held. These have two-year terms. Formation of a Nominating Committee.

4.5 Conferences.

5. Business arising from the minutes of the 93th meeting: 09:30
- 5.1 Joint meeting in 2017 at University of Calgary. Jim Bailey.
 - 5.2 Review of the Mathematical Flexible Pre-Major. Gary MacGillivray.
 - 5.3 Webmaster's Report. Stephen Benecke.
6. Institutional reports. Please focus on course changes (recent and upcoming) that might influence transfer agreements and enrolment trends. 10:30
7. Keynote Speaker. Glen Van Brummelen: Triangles Before Logarithms: Trigonometry in the Lost Century. 14:10
8. Publishers' Representatives: the latest developments related to Mathematics textbooks 15:30

Date:	Tuesday, May 17, 2016
Activity:	BCcupms and Secondary School Teachers
Time:	16:30
Room:	550/560
Reception:	rrTBA

BCcupms and Secondary Teachers Session (550/560)

9. Introduction and opening remarks. 16:30
10. Reports:
- 10.1 BC Secondary Schools Mathematics Contest—Paul Ottaway.
 - 10.2 BCAMT—Mike Pruner.
 - 10.3 Calculus Challenge Exam run by UBC and SFU. Justin Gray.
11. General discussion: further topics to be suggested by the teachers.
12. Adjourn to reception (rrTBA.) 17:30

Date:	Wednesday, May 18, 2016
Activity:	BCcupms Meeting—Second Day
Time:	9:00 (coffee and muffins at 8:30 in 550/560)
Room:	550/560
Lunch:	hosted by Columbia College
Publishers:	550/560

Plenary Session (550/560)

13. Opening remarks. 09:00
- 13.1 Introduction of representatives.
 - 13.2 Attendance lists.
 - 13.3 Announcements from the host.
14. Reports: 09:30
- 14.1 BCCAT—Rob Fleming.
 - i. **BCCAT Report—Spring 2016**
 - ii. BCCAT and related system initiatives.
 - iii. 2015 and 2016 JAMs.
 - iv. Pending Requests in the Transfer Credit Evaluation System (TCES).
 - 14.2 PIMS—David Leeming.
 - 14.3 ABE—Costa Karavas.
 - 14.4 Math Challengers—Leo Neufeld.
 - 14.5 Changing the Culture—.

Parallel Sessions

15. Mathematics Session—Chair: Jim Bailey—room 550/560 10:50
- 15.1 Report from the Calculus Readiness Test Subcommittee. Justin Gray.
 - i. Participation of Alberta Institutions: Athabasca University, Red Deer College, Mount Royal University, and SAIT.
 - ii. Calculus I and II articulation with Alberta. Jim Bailey.
<http://www.bctransferguide.ca/program/math>
 - iii. Core Linear Algebra: list of Introductory Linear Algebra courses. Jim Bailey.
15. Statistics Session—Chair: Bruce Dunham—room 320 10:50
- 15.1 Approval of agenda.
 - 15.2 Approval of the minutes of the Statistics Subcommittee Session of the 93th meeting.
 - 15.3 Matters arising from the minutes.

- 15.4 Institutional reports.
- 15.5 Articulation agreements between Alberta and BC: Introductory Statistics transfer credit proposal (Julie Peschke, Athabasca).
- 15.6 Provincial Minitab licence (Bruce Dunham, UBC)
- 15.7 Handling academic misconduct (Kevin Craib, Langara)
- 15.8 The new Statistics 12 course proposed by the Ministry of Education.
- 15.9 Election of Statistics chair.
- 15.10 Any other business.
- 15.11 Motion to adjourn.

Plenary Session

- 16. Highlights from the parallel sessions (details will appear in the minutes.) 13:45
- 17. EDUC (Ministry of Education): Nicole Arklie. 14:10
 - 17.1 Ministry website:
http://www.bced.gov.bc.ca/irp/transforming_curriculum.php
 - 17.2 Curriculum transformations of the senior secondary grades; personalized education pathways and implications for transitions to post secondary education.
<https://curriculum.gov.bc.ca/>
 - 17.3 A comparison of the proposed curriculum for grades 10–12 with the Mathematics Proficiencies Report (Jim Bailey).
 - 17.4 Grades and reporting. How can we provide students with high quality courses in the absence of controls or provincial exams?
 - 17.5 Dual credit.
- 18. New business: 15:30
 - 18.1 Open source textbooks: who is using them? are they satisfactory?
 - i. Calculus;
 - ii. Statistics;
 - iii. Differential Equations;
 - iv. Linear Algebra;
 - v. Any others?
 - vi. BCcampus. Jennifer Kirkey.

- A. Importing open textbooks such as OpenStax into BCcampus' PressReader where they can be edited.
 - B. Proposals: Ancillary Materials Development
 - C. Proposals: Open Educational Resource Grants
- 18.2 Making Mathematics Accessible to Visually Impaired Students. Tara Robertson, CAPER-BC.
- 18.3 The Flipped Classroom. Justin Gray.
- 18.4 Academic dishonesty.
- 18.5
19. Reports: 16:15
- 19.1 Report from the Nominating Committee; elections for the Chairs of the BCcupms and Statistics Subcommittee if necessary.
20. Committee business: 16:20
- 20.1 Date and location of the 95th meeting: May 16–18, 2017 at University of Calgary.
- 20.2 Theme for our 95th meeting.
- 20.3 Proposed future dates for BCcupms meetings:
- | Year | Meeting Dates | Location |
|------|---------------|------------------------|
| 2017 | May 16–18 | University of Calgary |
| 2018 | May 15–17 | Capilano University |
| 2019 | May 14–16 | College of the Rockies |
| 2020 | May 12–14 | |
- 20.4 List updates: please look at our web page
<http://www.bccupms.ca/>
and check that contact information, email, telephone, fax, and address are up-to-date. Please send any corrections to our web master, Stephen Benecke.
21. Adjournment. Greek dinner at grTBA. 18:30
- Notes:
1. Please bring your own copy of this agenda and pre-approval minutes of the 93th meeting.
 2. Displays of textbooks and other resources from the major publishing houses will be in room 550/560.

Professional Development Activity

Date:	Thursday, May 19, 2016
Activity:	Sharing Mathematics Conference
Time:	9:00–4:00
Room:	550/560

The theme for Sharing Mathematics this year is *Episodes in Course Delivery and Assessment*. Everyone is encouraged to attend and talk about their experiences!