

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

96th Articulation Meeting
Capilano University

AGENDA

Version: May 7, 2018

Date: Monday, May 14, 2018—Pre-meeting event
Activity: High School Math Contest Brain-storming Session
Time: 9:00 am–4:00 pm
Room: BR322

Date: Tuesday, May 15, 2018
Activity: BCcupms Meeting—First Day, Room LB322
Time: 9:00 (coffee and muffins at 8:30 in LB321)
Lunch: Lunch can be bought at various locations

Plenary Session (LB322)

1. Welcome by Dr. Julia Denholm, Dean of Arts and Sciences Capilano University. 9:00
2. Adoption of the agenda.
3. Approval of the minutes of the 95rd meeting held at University of Calgary.
4. Announcements:
 - 4.1 Announcements from the host (Deanna Baxter).
 - 4.2 Introduction of representatives.
 - 4.3 Attendance lists.
 - 4.4 BCcupms: 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. Reports: 9:30
- 5.1 Ministry of Education: Lisa Marshall, acting Mathematics Curriculum Coordinator EDUC.
 - 5.1.1 BC Ministry website:
http://www.bced.gov.bc.ca/irp/transforming_curriculum.php
 - 5.2 BCCAT: Anna Tikina, Research Officer (John FitzGibbon has retired)
 - 5.2.1 Inter-Provincial Articulation.
 - 5.2.2 System Initiatives; PCCAT (meeting June 20–21, 2018 — Charlottetown, PEI) <http://pccatweb.org/pccat/>.
 - 5.2.3 BCCAT: 2017 and 2018 JAMs.
 - 5.2.4 BCCAT: Pending Requests in the Transfer Credit Evaluation System (TCES).
 - 5.3 PIMS—David Leeming.
 - 5.4 ABE—Costa Karavas.
 - 5.5 Math Challengers—Leo Neufeld.
 - 5.6 Changing the Culture on Friday, May 18, 2018—Nora Franzova. Deborah Hughes Hallet, the key person behind the Calculus Reform (and several other interesting projects) has agreed to be a plenary speaker.
6. Institutional Reports. Please focus on course changes (recent and upcoming) that might influence transfer agreements and enrolment trends. 10:50
7. Business arising from the 95rd meeting: 15:30
- 7.1 UBC Mathematics Department and the necessity of series in all Calculus II courses. See also agenda item 16. Wayne Nagata.
 - 7.2 College of the Rockies response to last year’s agenda item 12.3 Instructor qualifications: Susan Oesterle.

Date:	Tuesday, May 15, 2018
Activity:	BCcupms Meeting with Public School Teachers
Time:	16:30
Room:	LB322
Reception Room:	LB321

8. Introduction and opening remarks. 16:30
9. Reports:
- 9.1 BC Secondary Schools Mathematics Contest. Suzanne Feldberg.
- 9.2 BCAMT. Mike Prunner.
- 9.3 Calculus Challenge Exam run by UBC and SFU. Justin Gray.
10. General discussion: further topics to be suggested by the teachers.
11. Adjourn to reception.

Date: Wednesday, May 16, 2018
Activity: BCcupms Meeting—Second Day
Time: 9:00 (coffee and muffins at 8:30 in the LB321)
Lunch: hosted by Capilano University

Plenary Session (LB322)

12. Opening remarks. 9:00
- 12.1 Announcements from the host.
- 12.2 Introduction of representatives.
- 12.3 Attendance lists.
13. Our keynote speaker is Richard Hoshino: Four Problem-Solving Strategies for Mathematics and For Life. Richard was winner of the 2017 CMS Adrien Pouliot award for his contributions to math education in Canada. 9:30

Parallel Sessions

14. Mathematics Session—Chair: Suzanne Feldberg—LB322 10:50
- Math.14.1. Report from the Calculus Readiness Test Subcommittee, Justin Gray.
- Math.14.2. Two Stage Exams.
- Math.14.3. We have been asked about expectations as to length and breadth for final examinations for first-year differential and integral calculus. My understanding is that the final examination should be
- three-hours;
 - comprehensive;

- used for at least 40% of the final grade.

14. Statistics Session—Chair: Bruce Dunham—room LB186 10:50
- Stat.14.1. Approval of agenda.
- Stat.14.2. Approval of the minutes of the Statistics Subcommittee Session of the 95rd meeting.
- Stat.14.3. Matters arising from the minutes.
- Stat.14.4. Institutional reports.
- Stat.14.5. Articulation agreements between Alberta and BC: Introductory Statistics transfer credit proposal (Julie Peschke, Athabasca).
- Stat.14.6. Statistics 12: Update on curriculum and support for teachers. (Bruce Dunham, UBC)
- Stat.14.7. Provincial Minitab license (Bruce Dunham, UBC)
- Stat.14.8. Articulation of non-STAT statistics courses.
- Stat.14.9. Election of Statistics chair.
- Stat.14.10. Any other business.
- Stat.14.11. Motion to adjourn.
- Stat.14.12. Any other business.

Plenary Session (LB322)

15. Highlights from the parallel sessions (details will appear in the minutes.) 13:45
16. New business: 14:10
- 16.1 Five Year Review of the Core Calculus Report: report from committee. Wayne Nagata, Justin Gray, Michael Nyenhuis, Ian Affleck, Kiera Gunn, and Ana Culibrk.
- 16.2 Mathematics Flexible Pre-Major Report: it has been suggested that this information be put on our web page; have there been any changes? Gary MacGillivray.
17. Committee business: 15:30
- 17.1 BCcupms: Webmaster's Report. Stephen Benecke.
- 17.2 Report from the Nominating Committee; elections for the Chairs of the BCcupms and Statistics Subcommittee if necessary.
- 17.3 Proposed agenda items for our 97th meeting.

17.4 Date and location of the 97th meeting of the BCcupms: May 14–16, 2019 at College of the Rockies.

17.5 Proposed future dates for BCcupms meetings:

Year	Meeting Dates	Location
2019	May 14–16	College of the Rockies
2020	May 12–14	Trinity Western University
2021	May 18–20	
2022	May 17–19	Possible Joint AB–BC Meeting

17.6 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](#).

18. Greek dinner at grTBA.

18:30

Notes:

1. Please bring your own copy of this agenda and pre-approval minutes of the 95rd meeting.

Professional Development Activity

Date:	Thursday, May 17, 2018
Activity:	Sharing Mathematics Conference
Time:	9:00–16:00
Room:	BR322

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