

BCcupms
THE BRITISH COLUMBIA COMMITTEE ON THE
UNDERGRADUATE PROGRAM IN MATHEMATICS AND STATISTICS
THIS IS THE FIFTIETH ANNIVERSARY OF OUR FIRST MEETING
WHICH WAS AT UBC, DECEMBER 1967

95th Articulation Meeting
University of Calgary

AGENDA

Version: May 10, 2017

University of Calgary has an interactive room finder at

<http://ucmapspro.ucalgary.ca/RoomFinder/>

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| Date: Monday, May 15, 2017—Pre-meeting event |
| Activity: High School Math Contest Brain-storming Session |
| Time: 9:00 am–4:00 pm |
| Room: MS431 |

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| Date: Tuesday, May 16, 2017 |
| Activity: BCcupms Meeting—First Day |
| Time: 9:00 (coffee and muffins at 8:30 in the Senate Room, Hotel Alma) |
| Lunch: Lunch can be bought at various locations |

Plenary Session (Senate Room, Hotel Alma)

1. Welcome by Robert Woodrow, Vice Chair, ACAT Mathematics and Statistical Sciences Articulation Committee. Department Head for Mathematics, Pure Mathematics, University of Calgary. 9:00
2. Adoption of the agenda.
3. ACAT Mathematics and Statistics Articulation Committee: Approval of the minutes of the last meeting.
BCcupms: Approval of the minutes of the 94th meeting held at Columbia College.

4. Announcements:
 - 4.1 Announcements from the host.
 - 4.2 Introduction of representatives.
 - 4.3 Attendance lists.
 - 4.4 BCcupms: 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. Reports: 9:30
 - 5.1 Ministries of Education: David McNeilly (AB), and Deanna Brajcich (BCAMT).
 - 5.1.1 BC Ministry website:
http://www.bced.gov.bc.ca/irp/transforming_curriculum.php
 - 5.1.2 Comparison of the curricula in the two provinces.
 - 5.1.3 Will Alberta still be using the WNCP? Could we be finding a disparity of abilities between students from AB and BC?
 - 5.1.4 Grades and reporting.
 - 5.1.5 Dual credit: problems to be addressed: curriculum; instructor qualifications.
 - 5.2 ACAT/BCCAT—Eric Dohei, Jim Samide, or Clair Ard (ACAT); John FitzGibbon (BCCAT).
 - 5.2.1 Inter-Provincial Articulation.
 - 5.2.2 System Initiatives; PCCAT (meeting June 22–23, 2016 in Vancouver) <http://pccatweb.org/pccat/>.
 - 5.2.3 BCCAT: 2016 and 2017 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 19, 2017—Nora Franzova.

6. Institutional Reports. Please focus on course changes (recent and upcoming) that might influence transfer agreements and enrolment trends. 10:50

- 7. Reports: 15:30
 - 7.1 BC Secondary Schools Mathematics Contest. Paul Ottaway.
 - 7.2 BCAMT. Deanna Brajcich.
 - 7.3 Calculus Challenge Exam run by UBC and SFU. Wayne Nagata.
- 8. Adjournment. 16:30
- 9. Greek dinner at the Pegasus. 18:30

Date: Wednesday, May 17, 2017
Activity: Joint ACATMSAC, BCcupms Meeting—Second Day
Time: 9:00 (coffee and muffins at 8:30 in the Forum Room, Taylor Institute)
Lunch: hosted by University of Calgary

Plenary Session (Forum Room, Taylor Institute)

- 8. Opening remarks. 9:00
 - 8.1 Announcements from the host.
 - 8.2 Introduction of representatives.
 - 8.3 Attendance lists.
- 9. Business arising from the 94rd meeting: 9:30
 - 9.1 UBC Mathematics Department and the necessity of series in all Calculus II courses. The chair (Jim Bailey), with the help of John Fitz-Gibbon and Rob Fleming (BCCAT), contacted two deans from UBC, Ian Cavers, Associate Dean Academic (who is responsible for the Faculty's curriculum process) and Paul Harrison, Associate Dean, Student Services.
 - 9.2 Open source textbooks.
 - 9.3 Making Mathematics Accessible to Visually Impaired Students.
 - 9.4 Academic dishonesty.

Parallel Sessions

- 10. Mathematics Session—Chairs: Jim Bailey, David McNeilly—Forum Room, Taylor Institute 10:50

Math.10.1. Report from the Calculus Readiness Test Subcommittee, Justin Gray.
You can see the analysis using Richard Taylor's app at

http://legendre.tru.ca/readiness_tests/

under the Dataset

`BCcupmsCRT2016.csv`

Math.10.2. Introductory Linear Algebra Study. Jim Bailey. The report has been posted on our website. Please pre-read and be prepared to make comments.

Math.10.3. Use of Calculators in First Year Calculus Courses, and Implications for Transfer. David McNeilly.

10. Statistics Session—Chair: Bruce Dunham—room SB105 10:50

Stat.10.1. Approval of agenda.

Stat.10.2. Approval of the minutes of the Statistics Subcommittee Session of the 94th meeting.

Stat.10.3. Matters arising from the minutes.

Stat.10.4. Institutional reports.

Stat.10.5. Articulation agreements between Alberta and BC: Introductory Statistics transfer credit proposal (Julie Peschke, Athabasca).

Stat.10.6. Proposed new grade 12 course.

Stat.10.7. Provincial Minitab license (Bruce Dunham, UBC)

Stat.10.8. Any other business.

Stat.10.9. Motion to adjourn.

Plenary Session (Forum Room, Taylor Institute)

11. Highlights from the parallel sessions (details will appear in the minutes.) 13:45

12. New business: 14:10

12.1 Course credits (Leo Neufeld).

12.2 Use of calculators (David McNeilly).

12.3 Instructor qualifications (Jim Bailey).

12.4 Sharing Mathematics, Alberta Mathematics Dialogue Conferences (Gary MacGillivray).

12.5 Online formative assessment. Who is using:

- Lyryx Learning
- Maple TA

13. Committee business:

15:30

- 13.1 Core Calculus Report. The CCR must be reviewed every five years; this was last done in 2013. Formation of a subcommittee.
- 13.2 Mathematics Flexible Pre-Major Report: it has been suggested that we put this information on our web page, in which case we need a procedure in place to keep it current.
- 13.3 BCcupms: Webmaster’s Report. Stephen Benecke.
- 13.4 Report from the Nominating Committee; elections for the Vice-chair and Secretary of the BCcupms if necessary.
- 13.5 Debriefing: was this joint meeting worthwhile? should we do it again?
- 13.6 Theme for our 96th meeting.
- 13.7 Date and location of the 96th meeting of the BCcupms: May 15–17, 2018 at Capilano University.
- 13.8 Proposed future dates for BCcupms meetings:

| Year | Meeting Dates | Location |
|------|---------------|----------------------------|
| 2018 | May 15–17 | Capilano University |
| 2019 | May 14–16 | |
| 2020 | May 12–14 | Trinity Western University |

- 13.9 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**.

Notes:

1. Please bring your own copy of this agenda and pre-approval minutes of the 94rd meeting.