Alberta **C**ouncil on **A**dmissions and **T**ransfer

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Committee Meeting Name	Meeting Location	Meeting Date
Mathematics and Statistical Sciences Articulation Committee	Board Room 11 SE 11th floor, Commerce Place 10155-102 Street Edmonton, Alberta	November 22, 2013 10:00AM-2:00PM

Chair: TBD	Phone #: 1-866-792-1317 Teleconference ID: 7187343

Committee Members to Attend		Accepted	Attended
1.	Dr. Andreas Guelzow-Concordia University College	Yes	Yes
2.	Dr. Karen Buro- Grant MacEwan University	Yes	Yes
3.	Roberto Bencivenga- Red Deer College (By Tele-Conference)	Yes	
4.	Robert Woodrow-University of Calgary (By Tele-Conference)	Yes	Yes
5.	Dr. David Kaminski- University of Lethbridge	Yes	Yes
6.	David McNeilly – University of Alberta	Yes	Yes
7.	TBD-Mount Royal University	Regrets	
8.	Peter Wallis-Medicine Hat College (By Tele-Conference)	Yes	Yes

Alberta Education		Accepted	Attended
1.	Kris Reid –Alberta Education Representative	Yes	

ACAT Secretariat Staff to Attend		Accepted	Attended
1.	Jim Samide - ACAT Secretariat	Yes	
2.	Eric Dohei - ACAT Secretariat	Yes	
3.	Ann Marie Lyseng – ACAT Secretariat	Yes	

AGENDA		Time Allotted
1.	Introductions	
2.	ACAT welcome and overview	
3.	Acceptance/Revisions to the Agenda	
4.	Discussion of the Terms of Reference	
5.	Election/Selection of a Chair & Vice-chair	
6.	Institution/Program Updates	
7.	Determine Topic(s) of Next meeting agenda	
8.	Determine Location/Host for next meeting and Date	
9.	Adjournment	
Meeting Notes		

ACAT Welcome/Overview	
Marc Scholes	• ACAT Council and Articulation overview provided by Marc Scholes. Discussion included the role/purpose of Articulation Committees within the transfer system and in relation to Council initiatives.
Institution/Program Updates	
MacEwan University	• Offering 2 degree in Mathematics – Mathematics and Math Sciences • Math Sciences ties together mathematics, statistics and computer science • Don't anticipate that Math Sciences graduates will move onto Graduate School but it does provide students analytic and data skills that will provide marketable skills. • 22 Students in Mathematics major & 22 students in Math Sciences major • Math 99 available for students who need to develop math skills before proceeding in their given program • All transfer request are handled by Karen Buro • Historically MU's program has been a transfer program to the Uof A. As a result MU courses closely mirrored the UofA's however with MU's move to becoming a university their courses & programs are becoming unique.

University of Alberta	• David served on the 2007 ACAT Mathematics committee which reviewed the changes to Alberta Educations K-12 curriculum and development of the departmental exams for 30-1 and 30-2
	• All transfer credit requests handled by David McNeilly
	• David serves as the Mathematics representative on the UofA's internal transfer committee
	• UofA has 3 Mathematics Program Majors:
	   ➢ General
	   ➢ Specialization
	   ➢ Honours
	• Additionally the UofA offers Mathematics as a minor in a number of programs
	• Approximately a 1000 students enrolled
	• UofA engages in formal transfer agreements as a receiving institution only

University of Lethbridge	• The UofL offers Math 500 a no credit bridging course • UofL has been focusing on growing their Graduate student numbers which has also resulted in a change to the institutions hiring practices • Undergraduate Degrees – mostly bachelor of Mathematics however students can take combined degree's (generally students interested are pursuing an Education degree)

	• David Kaminski generally handles all transfer requests – tries to maintain consistency in decisions • One issue is the contrast between 3 & 4 semester *Introduction to Calculus* – typically Engineering program (3 semesters) when presenting Math 31 upon admission. • The 4 semester approach to *Introduction to Calculus* works well for UofL. Allow more time for the *Introduction to Calculus* as Math 31 is not a requirement • UofL's School of Business use *Introduction to Calculus* as a filter for their program
Concordia University/College of Alberta	• Concordia has been offering degree for 25 years (Bachelor/After Degrees/Masters • Offer 3 and 4 year degrees in Mathematics • Typically 5-10 students enrolled • Courses originally modelled after the UofA but have gradually changed over time. • Students rarely look to transfer 300/400 level course however often want these as a summer offering • Challenge with the Comprehensive Academic and Research Institutions only entering into agreements as "receivers" can create a challenge when students move to Concordia • 3 year degree popular as student often like to follow with a 2 year After Degree giving them two credentials in 5 years • Math 200 a requirement for all Math majors
Medicine Hat College	• 2 Math courses in Engineering & several in Univeristy Transfer program • Math taught in all technical programs (High School prerequisite generally Math 30-2) • Generally happy but still challenges with students being unsuccessful – difficult because its up to students to seek out help in a timely fashion
University of Calgary	• Undergoing restructuring of degrees as a result in a decrease in faculty requiring a new approach to doing things • Math 30-2 prerequisite for most programs while math 30-1 is requirement for Science and Engineering
Education	• Early stages of curriculum redesign coming out of the "Inspiring Education" which was a comprehensive consultation process in 2008 (engaged 10000 Albertans). Envisioning an Alberta student in 2030. • 2008 Consultation Report (add link) outlining the vision for the next 20 years recognizing the changing landscape in Alberta and globally. • Reflects a shift to a more competency based focus • Curriculum redesign occurring is 6 subjects (Sciences, Wellness

	Education, Art Education, Social Studies, English/French Language Arts and Mathematics) addressing different areas:
	    ➢ Redesign Program
	    ➢ Learning/Teaching Resources
	    ➢ Assessments
	• Collaborative/Co-developed models lead by Education
	• Timelines for program of studies to be signed off by 2016 – implementation will depend on the readiness of boards across the province
	• Mathematics shortest time frame to completion as it was recently redeveloped
	• Math 10-12 team lead ensuring Education works closely with the post-secondary institutions
	• The Mathematic and Statistical Sciences Articulation Committee will be a valuable group for Education to stay connected with to ensure the redesigned programs meet the needs of students
	• Alberta not going this alone as it is tied to the Western and Northern Canadian Protocol (WNCP) – an agreement to collaborate on curriculum development (not binding for all western provinces).
	• British Columbia in undergoing a similar review/redesign.
	• Alberta is staying in close contact with BC/Saskatchewan/Manitoba
	
	Question from David Kaminski (UofL) regarding Manitoba's decreased emphasis on technological aids with stronger focus on "hand" calculations – What is Alberta's approach?
	• Alberta continuing to work with teachers to ensure technology used appropriately.
	• Also focused on emphasizing algorithms – the feeling that students can use a variety of approaches provided they know "how" they work

Terns of Reference	• Terms of Reference template reviewed and updated to reflect the Mathematics and Statistical Sciences Articulation Committee • Draft TORs will be shared along with the meeting minutes
Additional Institutions to approach	Institutions identified to be contacted about participating on the mathematics and Statistical Sciences Articulation Committee: • Athabasca University • NAIT/SAIT • The Kings University/College • Mount Royal University • Grande Prairie Regional College • Keyano College • Lethbridge Community College • Augustana

Chair & Vice-chair	• David McNeilly (UofA) accepted the role of Chair • Robert Woodrow (UofC) accepted the role of Vice-chair
Next Meeting	• Potentially March 2014