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Mathematics and Statistics, Undergraduate, Faculty of Science

Cyclical Program Review – 2006 - 2014

Final Assessment Report and Implementation Plan_Executive Summary

Reported to Joint-Committee on Quality Assurance: November 2015

Program description:

The Department of Mathematics and Statistics offers BA, Honours BA, BSc and Honours BSc degree programs in six subject areas.

- applied mathematics
- computational mathematics (Honours BSc only)
- mathematics
- mathematics for commerce (BA and Honours BA only)
- mathematics for education
- statistics

Program	New Registrations (heads) 2013	Enrolment FTES 2013	Degrees Awarded 2013
Applied Mathematics	41 (2014)	103 (2014)	9 (Hons) 7 (Bachelor)
Computational Mathematics	4	11	3
Mathematics for Education	28	76	17
Mathematics for commerce	46	140	14 (Hons) 5 (Bachelor)
Mathematics	19	82	5 (Hons) 9 (Bachelor)
Statistics	11	40	6 (Hons) 6 (Bachelor)

Reviewers appointed by Vice Provost Academic:
Yvan Saint-Aubin, Professor, Département de mathématiques et de statistique, Université de Montréal
Peter Taylor, Professor, Department of Mathematics and Statistics, Queen's University
Paula Wilson, Undergraduate Program Director & Senior Lecturer, Department of Biology, York University

Site Visit: March 19, 20, 2015
The reviewers spent two days at York University where they met with key administrative personnel, including the Vice-Provost Academic. On the Keele campus the reviewers met with Associate Deans from the Faculty of Science, the Chair of the Department, the Undergraduate Program Director and coordinators for Mathematics for Education, Pure Mathematics and for Statistics. In addition they met with the Faculty of Education Coordinator for Mathematics as a teachable subject and the Science Librarian. There were opportunities to meet with faculty members and groups of students. At the Glendon campus on March 20th, the reviewers met with the Vice-

Principal Academic the Chair of the Department. Lunch was held with students from the Glendon Mathematics program.

Outcome: The Joint-Committee on Quality Assurance concluded that the Decanal response addressed the most salient of the reviewers' recommendations. A follow-up report will be due in May 2017 to outline progress made towards the recommendations and plan development noted in this Final Assessment Report.

Summary
Overall the programs are very good offering diversity in mathematics education. The faculty members are dedicated to teaching and have expertise that covers many fields. The external reviewers felt that the program structures could be simplified and made a number of specific recommendations related to streams and courses. The Dean's Implementation Plan outlines clear plans for a number of the recommendations, with action to be undertaken between 2015 and 2018. In addition, a faculty complement plan will be finalized over the next two or three years.

Alice J Pitt, Vice-Provost Academic
November 2015