

Final Assessment Report
Submitted by SUPR-G to SCAPA

Executive Summary

The onsite review of the graduate program in Applied Mathematics was a positive experience for the entire review team. The external reviewers commented during the visit and in their report on the level of collegiality and mutual support shown by the faculty members and students, ensuring a high intellectual quality of the student experience. The faculty members represent a cohesive and high-performance research group who also demonstrate great commitment to their students. Program requirements are on par with competing programs, and learning outcomes are well articulated in terms of observability and measurability.

The impending establishment of the School of Mathematical Sciences (through the participation of the current Departments of Mathematics, Applied Mathematics, and Statistical and Actuarial Sciences) will strengthen ties among the three units involved and also strengthen ties to other units in the Faculty of Science. It will facilitate sharing of resources, and will offer new opportunities for collaboration across departments. There is strong support for this initiative in the Department of Applied Mathematics.

The external reviewers expressed concern about the underrepresentation of junior faculty members in the Department and restrictions on faculty recruitment. This concern is shared by the faculty and is

appear at the end of this report. These modifications will balance the existing flexibility in the program with the achievement of the Applied Mathematics learning outcomes.

Significant Strengths of Program:

- Outstanding faculty research profiles
- Strong network in computational life science (including the established centre, ORCCA)
- Annual graduate student conference (and undergraduate conference)
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