



Internal Academic Review 2007-2008
Department of Civil Engineering
Internal Academic Review Committee Report to Senate

The Internal Academic Review (IAR) of the Department of Civil Engineering is now

research while addressing the recommendations of the IAR Reports in a concerted effort to maintain a high level of performance and success.

**Outcomes of the Internal Academic Review
for the Department of Civil Engineering**

*submitted jointly by the
Dean of the Faculty of Applied Science
and the
Head of the Department of Civil Engineering*

The Dean of the Faculty of Applied Science and the Head of the Department of Civil Engineering welcome the positive assessment by the IARC of the department's programs of engineering education and research. We are pleased to provide the following response to the specific recommendations made by the committee.

1. Strategic Planning

The Faculty of Applied Science undertook the development of a strategic plan in 2007/08 at the same time as the internal academic review of the department was being conducted. Our plan, which was approved by the Applied Science Faculty Board in January 2009, will guide the development of the Faculty in the coming years and serve as an overarching roadmap within which departme

interviews scheduled for September. When these positions are filled the approved faculty

Report of the Internal Academic Review Team on Civil Engineering

DATE: _____

1.

Summary

The Department of Civil Engineering has a modern undergraduate program with emphasis on infrastructure and the environment and a vibrant graduate program. Both programs have experienced significant enrolment increases, which have almost doubled the size of the department in the last seven years. The Department has also

Introduction

The Civil Engineering Department at Queen's has a modern undergraduate program with emphasis on the infrastructure and the natural environment and a large graduate program. The number of undergraduate students makes it one of the largest departments in Applied Science, while the research budget for the Department makes it one of the most research-intensive Civil Engineering Departments in the

the country. The Department interacts with other departments at the undergraduate, graduate and

research levels. These departments include the other engineering departments within the Faculty of

The quality of undergraduate instruction is high, with 11.1% of students rating it as 'very high' and 88.9% as 'high'.

Progress monitoring is better defined for Ph.D. students (thesis proposal, supervisory committees etc.) while M.Sc. students are not always aware of expectations regarding their projects and expected completion time.

Because of the rather large size of the various research groups, there is limited communication between

of students in the program appreciate the work of the "humanitarian engineering" group. The department must find a method, possibly through seminars, to improve the cohesion of its research

The table structure is largely obscured by redaction. Visible elements include:

- A header row at the top, mostly covered by a thick black bar.
- A row containing the number "17-3" in the center, located approximately at [180, 560, 195, 750].
- Multiple other rows, each with a thick black bar covering the majority of its content.

Currently space at Ellis Hall is not considered to be adequate. The laboratories are used heavily and as

[REDACTED]

technical support.

Another complaint is related to the lack of air condition in Ellis Hall during the summer months. Productivity has suffered during summer time, when it is imperative that research proceeds at maximum pace.

Equity

During the next seven years the federal government is expected to increase its

The weaknesses are as follows:

~~Since 2001, the growth of both graduate and undergraduate streams has resulted in considerable~~

strain of resources

- Undergraduate enrolment cannot be controlled and can fluctuate over the years
- Growth has created a lack of technical support and space

~~The faculty carry an unusually high work load combining high teaching loads and heavy~~