

(1-1-0; —)

## Mathematics and Engineering Seminar

MATH-494\*

The first objective of this seminar is to give the students exposure to and insight into various aspects of the profession and practice of engineering. There will be speakers on professional engineers' organizations and the role and responsibility of the professional engineer, health and safety considerations in the engineering workplace, as well as technical topics relating to various careers in engineering (by Mathematics and Engineering alumni) and ongoing research activities (by Mathematics and Engineering faculty and faculty from other departments at Queen's). A second important objective is to develop the students' communications skills (both written and oral). Instruction on effective technical writing and reporting is provided over several lectures at the beginning of the term. Each student is required to write essays on four talks (which will be professionally marked) and to give an oral presentation on an engineering topic.

**Prerequisite:** A pass on the Faculty English Proficiency Test *or* 80% in ELSA 130.

**Coordinator:** F. Alajaji

<b>Evaluation:</b>	Written Reports ( $4 \times 20\%$ )	80%
	Oral Presentation (during weeks 8-11)	15%
	Attendance	5%