

SURGICAL AND INTERVENTIONAL SCIENCES (THESIS): SURGICAL EDUCATION (M.SC.) (45 CREDITS)

Offered by: Surgery (Faculty of Medicine and Health Sciences)

Degree: Master of Science

Program credit weight: 45

Program Description

The M.Sc. in Surgical and Interventional Sciences; Surgical Education provides a foundation in surgical education practice and research. The program highlights the unique teaching and learning environment of surgery coupled with a basis in educational theory, curricular design, and implementation. A major emphasis of this program is surgical educational research with the elaboration, designs, implementation, and analysis of a research project founded in best practices of educational research. The research project may encompass, but is not limited to, surgical stimulation, technical skills, surgical technology, and assessment.

Note: For information about Fall 2025 and Winter 2026 course offerings, please check back on May 8, 2025. Until then, the "Terms offered" field will appear blank for most courses while the class schedule is being finalized.

Thesis Courses (30 credits)

Expand allContract all

Course	Title	Credits
EXSU 690	M.Sc. Research 1.	4
EXSU 691	M.Sc. Research 2.	4
EXSU 692	M.Sc. Research 3.	4
EXSU 693	M.Sc. Thesis.	18

Required Courses (6 credits)

Expand allContract all

Course	Title	Credits
EDPH 689	Teaching and Learning in Higher Education.	3
EXSU 603	Surgical Education Foundations.	3

Complementary Courses (9 credits)

3 credits from the following:

Expand allContract all

Course	Title	Credits
EDPE 575	Statistics for Practitioners.	3
EDPE 637	Issues in Health Professions Education.	3
EXSU 606	Statistics for Surgical Research.	3

And:

6 credits, taken from 500-, 600-, or 700-level courses in consultation with the Research Advisory Committee.

Depending on their individual backgrounds, students may be asked by their Research Advisory Committee to take additional courses.