

CLIN*6950 Special Topics Graduate Course: Principles of Minimally Invasive Surgery

COURSE OUTLINE

This course will provide graduate students an in depth knowledge of minimally invasive surgery (MIS) in veterinary medicine. Instructional material will include didactic lectures from a variety of specialists and current pertinent veterinary (and human) literature.

Objective:

- i) Provide a greater understanding of MIS techniques in veterinary medicine and how they can be applied

Lecture Format:

Each lecture will be from 8:00 am - 10:00 am Friday morning according to the class schedule. The first 30-45 minutes of the lecture will be a discussion on 1-3 selected journal articles by lecturer. The final 45-60 minutes will be a lecture/discussion on a specific topic.

Graduate Student Presentations:

Students will be responsible to present a lecture (literature discussion + didactic lecture) on a focused topic on MIS and will be graded on their performance. Examples of topics include Single Incision Laparoscopic Surgery (SILS), MIS in neurological surgery, or MIS management of articular fractures, etc. Topics for presentation must be approved by the course coordinator.

Expectations:

It is expected that students will:

- 1) Attend class and actively participate in discussions.
- 2) Review the journal articles selected by the lecturer **prior** to class.
- 3) As a group, develop and implement a psychomotor skills training device to be used in the Endoscopic Skills laboratory and in future training.

Evaluation:

Final Exam	75%
Seminar	25%

Course Coordinator:

Ameet Singh
Room 2118 Clinical Studies
Ext 54292 amsingh@uoguelph.ca

Lecture Schedule:

	Topic	Presenter	Date*
1	Intro / Principles of MIS	Singh	Jan 23
2	Near-infra red (NIR) fluoro applications in MIS	Runge	Jan 30
3	MIS Ortho: Part I	Moens	Feb 6
4	Anesthesia for MIS	Valverde	Feb 13
5	Laparoscopy	Case	Feb 20
6	MIS Oncology	Oblak	Feb 27
7	MIS Ortho: Part II	Gibson	March 6
8	Interventional Radiology	Brisson	March 13
9	MIS Urinary tract	Defarges/Denstedt	March 20
10	MIS Thorax	Mayhew	March 27
11	Role of imaging in MIS	Zur Linden	April 2 (Thursday)
12	Grad Student Presentation	Watrous	April 24
13	Grad Student Presentation	Hoddinott	May 1
14	Grad Student Presentation	Crawford	May 8
15	Grad Student Presentation	Kilkenny	May 15
16	Chylothorax	Gagnon	May 22
17	FINAL EXAM		TBA

*Lecture and Presenter dates subject to change.

E-mail Communication:

As per university regulations, all students are required to check their <uoguelph.ca> e-mail account regularly: e-mail is the official route of communication between the University and its students.

When You Cannot Meet a Course Requirement:

When you find yourself unable to meet an in-course requirement because of illness or compassionate reasons, please advise the course coordinator in writing, with your name, id#, and e-mail contact. See the graduate calendar for information on regulations and procedures for Academic Consideration:

http://www.uoguelph.ca/registrar/calendars/graduate/current/genreg/sec_d0e1400.shtml

Drop Date:

The last date to drop one-semester courses, without academic penalty, is XX. Refer to the Graduate Calendar for the schedule of dates:

<http://www.uoguelph.ca/registrar/calendars/graduate/current/sched/sched-dates-f10.shtml>

Academic Misconduct:

The University of Guelph is committed to upholding the highest standards of academic integrity and it is the responsibility of all members of the University community – faculty, staff, and students – to be aware of what constitutes academic misconduct and to do as much as possible to prevent academic offences from occurring. University of

Guelph students have the responsibility of abiding by the University's policy on academic misconduct regardless of their location of study; faculty, staff and students have the responsibility of supporting an environment that discourages misconduct. Students need to remain aware that instructors have access to and the right to use electronic and other means of detection. The Academic Misconduct Policy is detailed in the Graduate Calendar:

http://www.uoguelph.ca/registrar/calendars/graduate/current/genreg/sec_d0e1687.shtml

Recording of Materials:

Presentations which are made in relation to course work—including lectures—cannot be recorded in any electronic media without the permission of the presenter, whether the instructor, a classmate or guest lecturer.

Resources:

The Graduate Calendar is the source of information about the University of Guelph's procedures, policies and regulations which apply to graduate programs:

<http://www.uoguelph.ca/registrar/calendars/graduate/current/>