

**CLIN*6950 Special Topics Graduate Course:
Exploring the Evidence Base in Veterinary Minimally Invasive Surgery**

COURSE OUTLINE

This course will provide graduate students an advanced knowledge of minimally invasive surgery (MIS) in veterinary medicine. Instructional material will include several didactic lectures and thorough discussion of current pertinent veterinary (and human) literature.

Learning Objectives:

- i) Explore the evidence base in veterinary MIS
- ii) Provide a greater understanding of MIS techniques in veterinary medicine and how they can be applied

Lecture Format:

Each lecture will be from 8:30 am - 9:30 am Friday morning according to the class schedule. For each lecture two discussants are scheduled and will each provide a 15 minute presentation on the subject including a technical description and brief review of human and veterinary literature. Participants are HIGHLY ENCOURAGED to explore each topic on their own prior to class each week in anticipation of the lecture discussion. In addition each discussant will send out one article of their choice to be discussed by the group following their presentation. This article should be sent via email 1 week prior to the date of their presentation.

Textbook:

Small Animal Laparoscopy and Thoracoscopy, 1st Edition, 2015, (Mayhew and Fransson)

Laboratory Component:

All course participants will be required to gain proficiency in all five tasks of the McGill Inanimate System for Training and Evaluation of Laparoscopic Skills (MISTELS) program using the box training devices in the Endoscopic Skills Laboratory. Group and individual training sessions will be provided prior and during skills development. Peer evaluation to ensure proficiency will be performed as decided upon by the participant during the course of the semester.

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) Perform appropriate, frequent and meaningful training of endoscopic psychomotor skills in the endoscopic skills laboratory.

Evaluation:

Lecture presentation/discussions: 50%

Lab component (MISTELS Training): 30%

Final examination: 20%

Course Coordinator:

Ameet Singh

Room 2118 Clinical Studies

Ext 54292 amsingh@uoguelph.ca

Lecture Schedule:

Lecture	Date	Topic	Discussant – Open	Discussant – MIS
1	November 16	Cholecystectomy / hepatobiliary surgery	Jenn	Chris
2	November 23	Adrenalectomy	Tanya	Shannon
3	November 29 (Thursday)	Pericardial surgery	Chris	Jenn
4	December 7	Splenectomy / Nephrectomy	Jacqui	Shannon
5	December 14	Incisionless surgery – human perspective	Guest lecturer	
6	January 4	Endoscopic suturing and Intracorporeal gastropexy	Guest lecturer	
7	January 11	Neoplastic and non-neoplastic lung lobectomy	Jenn	Jacqui
8	January 18	Surgical treatment of chylothorax	Jacqui	Tanya
9	January 25	Anesthetic considerations for MIS of the thoracic cavity	Guest lecturer	
10	February 1	Interventional Radiology	Guest lecturer	
11	February 8	MIS Oncologic Staging	Guest lecturer	
12	February 15	Diaphyseal / Articular Fracture repair	Tanya	Shannon
13	February 22	Meniscal treatment	Jenn	Chris

*When a guest lecturer is scheduled, discussants not required.

**Lecture and discussant dates subject to change.

Auditing

Students auditing the course will be expected to be scheduled as a discussant, perform MISTELS training and participate accordingly. They are encouraged to write the exam but will not receive a grade or credit for the course.

<https://www.uoguelph.ca/registrar/calendars/graduate/current/index.shtml>

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:

https://www.uoguelph.ca/registrar/calendars/graduate/current/genreg/sec_d0e2182.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:

<https://www.uoguelph.ca/registrar/calendars/graduate/current/sched/index.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:

https://www.uoguelph.ca/registrar/calendars/graduate/current/genreg/sec_d0e2632.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/>