

# **Undergraduate Course Outline Form**

## **Fall 2017, Winter 2018 and Summer 2018 Semesters**

### **General Information**

**Course Code:** ANSC-4700

**Course Title:** Research in Animal Biology I

#### **Course Description:**

This course provides an opportunity for students to become more actively involved in specific research topics in a discipline of their choosing. The student will work closely with an individual faculty advisor and be part of their research team working on a project of mutual interest. This course allows the student to review current literature and analyze lab data and/or design new protocols to further research knowledge. The student/faculty advisor may also wish to pursue more in-depth studies by the continuation of their project in ANSC\*4710, Research in Animal Biology II.

**Credit Weight:** 0.5

**Academic Department (or campus):** Department of Animal Biosciences

**Campus:** Guelph

**Semester Offering:** Fall, Winter, Spring

#### **Class Schedule and Location:**

There is no class. Students work closely with their research project advisor.

### **Instructor Information**

**Course Coordinator Name:** Julang Li

**Course Coordinator Email:** jli@uoguelph.ca

**Office location:** ANNU 248

### **GTA Information**

N/A

## **Course Content**

This course is very unique in that the content depends upon the area of research chosen by the student in conjunction with the research advisor. During the course of the semester, the student will explore the literature in their chosen area of research and in conjunction with the research advisor, develop a research proposal for a real or hypothetical research project. If the student plans to continue on to ANSC-4710, the research proposal should present a research project that can be accomplished in a single semester. It is possible to enroll in both ANSC-4700 and ANSC-4710 in a single semester. In that situation, you will review the literature, propose a project, conduct the research and analyze the results.

To complete the course requirements, students will write a literature review and research proposal and present a poster at the end of the semester. At the research advisor's discretion, the student may combine the literature review and research proposal in a single paper.

### **Specific Learning Outcomes:**

At the completion of this course, you, the student will have had the unique opportunity to explore an individual research project and achieve these learning outcomes:

- 1) Develop an understanding of the literature in a specific field of interest to you,
- 2) Further develop written communication skills,
- 3) Further develop oral and visual presentation skills,
- 4) Develop an awareness of research and scientific method

### **Lecture Content:**

No lecture in the course

### **Labs:**

Discuss with the host supervisor

### **Seminars:**

N/A

**Course Assignments and Tests:**

<b>Assignment or Test</b>	<b>Due Date</b>	<b>Contribution to Final Mark (%)</b>	<b>Learning Outcomes Assessed</b>
Literature review	A paper that is graded by the research advisor due date see below)	50%	1, 2, 4
Research proposal	A paper that is graded by the research advisor (due date see below)	25%	1, 2, 4
Poster presentation	A scientific poster presented to the Department of Animal Biosciences (December 8, 2017) and graded by the Course Coordinator	25%	3

The grade for the final report is due to the course coordinator one day before the grade deadline set by the Registrar's Office. This date is set during the semester but typically will be the day before the final due date for grades, about 2 weeks after exams start. Check with the Course Coordinator for the exact date once the Registrar's Office has released them. The student and the research advisor should mutually agree upon the due date for the final report to ensure that the research advisor can submit the grade in time.

**Additional Notes (if required):**

N/A

**Final examination date and time:**

N/A

**Final exam weighting:**

N/A

## **Course Resources**

### **Required Texts:**

Check with host advisor.

### **Recommended Texts:**

Check with host advisor.

### **Lab Manual:**

Check with host advisor.

### **Other Resources:**

Check with host advisor.

### **Field Trips:**

Check with host advisor.

### **Additional Costs:**

Check with host advisor.

## **Course Policies**

### **Grading Policies: Missed or Late Final Papers:**

The report **deadline is defined by mutual agreement between the research advisor and student**. The research advisor and the student can mutually agree to modify the deadline if needed. If the grade is not provided in time to meet the Registrar's Grade deadline (see above), the grade will need to be resolved through the incomplete grade system in the Registrar's Office. Obviously, this is not a good way to end the semester. Therefore, every effort should be made to complete the course requirements before the final grade deadline.

### **Grading Policies: Missed or Late Poster Presentation:**

The poster presentation is scheduled by the Course Coordinator to coincide with the end of classes or early during the exam schedule at a mutually agreeable time. Students with a valid academic conflict can make other arrangements with the Course Coordinator to present the poster at a different time. If a student misses their scheduled presentation time and has not

contacted the Course Coordinator, the University's requirements for documentation of academic consideration come into play (see below).

**Course Policy on Group Work:**

N/A

**Course Policy regarding use of electronic devices and recording of lectures:**

N/A

**University Policies**

**Academic Consideration:**

The University of Guelph is committed to supporting students in their learning experiences and responding to their individual needs and is aware that a variety of situations or events beyond the student's control may affect academic performance. Support is provided to accommodate academic needs in the face of personal difficulties or unforeseen events in the form of Academic Consideration.

Information on regulations and procedures for Academic Consideration, Appeals and Petitions, including categories, grounds, timelines and appeals can be found in [Section VIII \(Undergraduate Degree Regulations and Procedures\) of the Undergraduate Calendar](#).

**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. Please note: Whether or not a student intended to commit academic misconduct is not relevant for a finding of guilt. Hurried or careless submission of assignments does not excuse students from responsibility for verifying the academic integrity of their work before submitting it. Students who are in any doubt as to whether an action on their part could be construed as an academic offence should consult with a faculty member or faculty advisor.

Detailed information regarding the Academic Misconduct policy is available in [Section VIII \(Undergraduate Degree Regulations and Procedures\) of the Undergraduate Calendar](#).

**Accessibility:**

The University of Guelph is committed to creating a barrier-free environment. Providing services for students is a shared responsibility among students, faculty and administrators. This relationship is based on respect of individual rights, the dignity of the individual and the University community's shared commitment to an open and supportive learning environment. Students requiring service or accommodation, whether due to an identified, ongoing disability or a short-term disability should contact the Student Accessibility Services (SAS), formerly Centre for Students with Disabilities (CSD), as soon as possible.

For more information, contact SAS at 519-824-4120 ext. 56208 or email [sas@uoguelph.ca](mailto:sas@uoguelph.ca) or visit the [Student Accessibility Services website \(http://www.uoguelph.ca/csd/\)](http://www.uoguelph.ca/csd/).

**Course Evaluation Information:**

End of semester course and instructor evaluations provide students the opportunity to have their comments and opinions used as an important component in the Faculty Tenure and Promotion process, and as valuable feedback to help instructors enhance the quality of their teaching effectiveness and course delivery.

While many course evaluations are conducted in class others are now conducted online. Please refer to the [Course and Instructor Evaluation Website](#) for more information.

**Drop period:**

The drop period for single semester courses starts at the beginning of the add period and extends to the Fortieth (40th) class day of the current semester (the last date to drop a single semester courses without academic penalty) which is listed in [Section III \(Schedule of Dates\) of the Undergraduate Calendar](#).

The drop period for two semester courses starts at the beginning of the add period in the first semester and extends to the last day of the add period in the second semester.

Information about Dropping Courses can be found in [Section VIII \(Undergraduate Degree Regulations and Procedures\) of the Undergraduate Calendar](#).

**Additional Course Information**

N/A