

Course Outline Form: Winter 2018

General Information

Course Title: ANSC 4610 * Critical Analysis in Animal Science

Course Description: At the starting of the course, a class student survey will be conducted by the instructor to facilitate and allow class students an opportunity to narrow down and select their interested specific disciplinary topic areas for further topic analysis and expertise development. Then class students will learn how to effectively carry out scientific literature research by a university librarian. Students will be further guided to search and define their critical review paper topic and select their original papers for critical analysis in consultation with the course instructor. The instructor will demonstrate to the class how to conduct a critical review, prepare written reviewing reports, and present reviewing results in a panel discussion format as a primary and a secondary reviewer for an original research paper. The instructor will further demonstrate to the class how to present a critical review topic paper to the public. Class student critical review papers will also be presented to their class group as a formal seminar. Thus, students are guided to independently search and critically review a topic of emerging importance in animal biosciences. This course is designed for students in their final year of the Animal Biology and Animal Science majors.

Credit Weight: 0.50

Academic Department (or campus): Animal Biosciences

Campus: Guelph

Semester Offering: Winter

Class Schedule and Location: 2:30 pm – 5:20 pm on Thursdays; room 030, Animal Science/Nutrition Building (ANNU)

Instructor Information

Instructor Name: Ming Z. Fan, Ph.D., Professor of Nutritional Ecology

Instructor Email: mfan@uoguelph.ca

Office location: room 224, #70 Animal Science & Nutrition (ANNU) Building

GTA Information

GTA Name:

GTA Email:

GTA office location and office hours:

Course Content

Specific Learning Outcomes:

- 1) To become familiar with Web based literature search tools to effectively search academic publications from referred journals.
- 2) To critically obtain conceptual findings through reading most recently published original research papers in referred journals.
- 3) To learn how to write a review article in emerging animal bioscience topic areas.
- 4) To learn how to present an overview in emerging animal bioscience topic areas.

Course Events:

- Jan. 11, 2018: - To discuss course delivery and requirements
 - To conduct in-class student survey and choose a review topic
 - To arrange student paper review and presentation schedules
- Jan. 18, 2018 - Web-based Literature Search by Ms. Jacqueline Kreller-Vanderkooy
 - To search original research papers by students in class
- Jan. 25, 2018 - How to conduct a critical review of an original research paper
 - Critical review of an original research paper by the instructor
 - How to effectively develop an outline and write up a review paper
- Feb. 1, 2018 - Critical review of original research papers by class students
- Feb. 08, 2018 - Critical review of original research papers by class students
- Feb. 15, 2018 - Critical review of original research papers by class students
- Feb. 19 - 23, 2018 - Winter Break! (no class)
- March 01, 2018 - Critical review of original research papers by class students

- March 08, 2018 - How to prepare and present a major review paper in a seminar
- Major reviewing-based presentation(s) for demonstration
- March 15, 2018 - Final class oral presentations of student major review papers
- March 22, 2018 - Final class oral presentations of student major review papers
- March 29, 2018 - Final class oral presentations of student major review papers
- April 05, 2018 - Final class oral presentations of student major review papers

Labs:

None

Seminars:

None

Course Assignments and Tests:

Assignment or Test	Due Date	Contribution to Final Mark (%)	Learning Outcomes Assessed
Participation in class discussions before the Winter Break	Feb. 19, 2018	5	Outcomes #1 to 4
Major review paper title and outline	Feb. 28, 2018	10	Outcomes #1 to 3
Paper critique as a primary reviewer (once)	March 10, 2018	20	Outcomes #1 to 3
Paper critique as a secondary reviewer (2 times)	March 10, 2018	10 (2 x 5% each)	Outcomes #1 to 3
Major review paper oral presentation to class	April 06, 2018	15	Outcome #4
Participation in class discussions after the Winter Break	April 06, 2018	5	Outcomes #1 to 4
Major review paper	April 16, 2018	35	Outcomes #1 to 3

Additional Notes (if required):

Marking rubrics for students' class participation will be provided to class students at the beginning of the semester.

Specific guidelines regarding how to lead an original paper critique as a primary reviewer and a secondary reviewer as well as marking rubrics will be provided to class students at the beginning of the semester.

Specific guidelines regarding how to write a major review paper and the review paper marking rubrics will be provided to class students at the beginning of the semester.

Specific guidelines regarding how to prepare a PowerPoint file; present an oral major review paper to class; and the oral presentation evaluation rubrics will be provided to class students at the beginning of the semester.

Final examination date and time:

Not applicable.

Final exam weighting:

Not applicable.

Course Resources**Required Texts:**

None

Recommended Texts:

None

Lab Manual:

None

Other Resources:

Student's major review paper based Power point presentation PDF files will be posted on the course site following class presentations by using D2L by the instructor.

Field Trips:

Not applicable.

Additional Costs:

None

Course Policies**Grading Policies:**

Students' paper critique reports, major review paper outline and their finalized major review paper will be submitted to the instructor for marking as a Word file via email by following the suggested due dates. Late penalties of 10% per day will be assessed for late submissions.

Course Policy on Group Work:

Not applicable.

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

Electronic recording of classes is expressly forbidden without consent of the instructor. When recordings are permitted they are solely for the use of the authorized student and may not be reproduced, or transmitted to others, without the express written consent of the instructor.

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 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

Not applicable.