1. Course Information

Biology 9437 – Hormones and Behaviour
cross-listed with Psychology 3226 Undergraduate

2. Instructor Information

Prof. Scott MacDougall-Shackleton
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Office: AFAR 200

3. Course Description

An in-depth review of current research problems in the field and the biological mechanisms by which hormones can affect behaviour. Topics will include hormones and brain development, sexual differentiation, sexual and courtship behaviour, parental behaviour, aggressive behaviour, stress, food intake, and endocrine disorders in humans. This course will focus on vertebrates, and will mostly examine research in mammals and birds.

N.B. This course is offered jointly with Psychology 3226. Graduate students enrolled in Biology 9437 will attend the same class, but will have different evaluation. Students will be expected to attend and participate in class, complete a written assignment, give a presentation to the class and submit a term paper. Graduate students may also attend discussion classes outside of the undergraduate class hours.

Please contact the course instructor if you require material in an alternate format or if you require any other arrangements to make this course more accessible to you. You may also wish to contact Services for Students with Disabilities (SSD) at 519-661-2111 ext 82147 for any specific question regarding an accommodation.

4. Course Materials

Textbook:
ISBN 978-0-87893-592-5 (CourseSmart eBook version
www.coursesmart.com/9780878936205)

Other Useful References:
5. Methods of Evaluation

30% Written Assignment (take-home midterm)
   This assignment will include several questions on the material to be answered in a few hundred words each. Students will have a week to complete the assignment.

25% Presentation: Students will give a 15-20 minute presentation to the undergraduate class on a current research topic in Hormones and Behaviour. The topic will be selected in consultation with the instructor. This topic may be complementary to, but not the same as, the students' thesis research.

35% Term Paper: due during the final exam period. This paper will be a critical literature review of the same research topic covered in the Presentation.

10% Class participation.

6. Statement on Academic Offences

Scholastic offences are taken seriously and students are directed to read the appropriate policy, specifically, the definition of what constitutes a Scholastic Offence, at the following Web site:
http://www.uwo.ca/univsec/handbook/appeals/scholastic_discipline_grad.pdf

All required papers may be subject to submission for textual similarity review to the commercial plagiarism-detection software under license to the University for the detection of plagiarism. All papers submitted for such checking will be included as source documents in the reference database for the purpose of detecting plagiarism of papers subsequently submitted to the system. Use of the service is subject to the licensing agreement, currently between The University of Western Ontario and Turnitin.com (http://www.turnitin.com).