BIOLOGY 4830- ENDOCRINOLOGY
2014 Serial

1. Instructor. Dr. Robert J. Omeljaniuk, CB-4013, 343-8236

2. Intent. To provide senior undergraduate students with an opportunity to study selected aspects of endocrinology in a directed study approach.

3. Marking Scheme.

   a. Term test: 50% Final Mark (13 Nov 2014; subject to revision); and
   b. 5 Assignments valued at 10 final marks each = 50 final marks.

4. Execution.

   a. General.

      (1) A series of lectures on organismal endocrine communication systems will be presented using largely mammalian models. Students' mastery of this material will be assessed on the basis of a term test at the end of the lectures.

      (2) Students will be assigned specific readings from the course textbook and will be prepared to discuss the subject matter and any difficulties they may have with it in group discussions on a weekly basis. **Attendance at classes is mandatory.**

      (2) Students' comprehension and mastery of the textbook material will be evaluated on the basis of assignments submitted no later one week following discussion of the subject matter. Answers to assigned questions may take any neatly presented format including text, figures and tables submitted as a hard copy; paragraph and short-essay answers supported by diagrams of the student's own design will be most appropriate. Page limits refer to narrative and not to figures or tables; assignment answers exceeding page limits will not be marked. In many cases, the preparation of an answer will require sourcing information from several sections of the textbook.

      (3) All tests and assignments must be credibly completed; in the event a student completes the course with a mark between 40 and 49 %, they will be eligible to apply for a Special Exam, which covers all lecture material, to be arranged with Lakehead University Scheduling. The Special Exam mark will take the place of the term test mark.

      (4) **Assignments are due no later than 1200 hrs on the Friday of the Week of Assignment deadline.**

b. Tentative Outline.

Serial	Reading	Discussion Date (week of)	Assignment Deadline (week of)
1	Chapter 05: The hypothalamus-pituitary system in non-mammalian vertebrates.	08 Sep	15 Sep
2	Chapter 05: The hypothalamus-pituitary system in non-mammalian vertebrates.	15 Sep	29 Sep
3	Chapter 07: The hypothalamus-pituitary-thyroid axis of non-mammalian vertebrates.	29 Sep	13 Oct
4	Chapter 09: Comparative aspects of vertebrate adrenals.	13 Oct	27 Oct
5	Chapter 11: Comparative aspects of vertebrate reproduction.	27 Oct	10 Nov

5. Textbook. Vertebrate Endocrinology, 5th ed. D.O. Norris and J.A Carr. Academic Press. New York. 585 pp. 2013.