



UNIVERSITY OF CALGARY
DEPARTMENT OF xxxxxxxxx
COURSE OUTLINE

1. **Course: ZOOLOGY 597 - PRINCIPLES OF ENDOCRINOLOGY**

Lecture Sections: **L01** **T R** **9:30** **Fall 2014**

Instructor(s): **Dr. H.R. Habibi** **BI 276** **220-5270** **habibi@ucalgary.ca**
 Dr. M.M.Vijayan **BI 488** **220-3094** **matt.vijayan@ucalgary.ca**

Desire 2 Learn (D2L) course name: TBA
Biological Sciences Department BI 186; (403) 220-3140; biosci@ucalgary.ca

2. **Prerequisites: Zoology 463** See section 3.5.C in the Faculty of Science section of the online Calendar (<http://www.ucalgary.ca/pubs/calendar/current/sc-3-5.html>)
3. **Grading:** The University policy on grading and related matters is described sections [F.1](#) and [F.2](#) of the online University Calendar. In determining the overall grade in the course the following weights will be used:

Midterm Exam	40 %
Final Exam	60 %

“Each piece of work (assignment, midterm test or final examination) submitted by the student will be assigned a percentage score. The student’s average percentage score for the various components listed above will be combined with the indicated weights to produce an overall percentage for the course, which will be used to determine the course letter grade.

4. **Missed Components of Term Work:** The regulations of the Faculty of Science pertaining to this matter are found in the Faculty of Science area of the Calendar in [Section 3.6](#). It is the student's responsibility to familiarize himself/herself with these regulations. See also [Section E.6](#) of the University Calendar
5. **Scheduled out-of-class activities:** Dates and times of approved class activities held outside of class hours. N/A
REGULARLY SCHEDULED CLASSES HAVE PRECEDENCE OVER ANY OUT-OF-CLASS-TIME-ACTIVITY. If you have a clash with this out-of-class-time-activity, please inform your instructor as soon as possible so that alternative arrangements may be made for you.
6. **Course Materials:** N/A
7. **EXAMINATION POLICY:** No electronic or written aids (eg. cell phones, tablets, computers, PDAs, notes, textbooks) will be allowed during writing of any exams. Non-programmable calculators will be permitted to answer quantitative questions on exams, if applicable, and permission to do this will be clearly indicated on the examination paper.

Students should also read the Calendar, Section G, on Examinations:

8. **OTHER IMPORTANT INFORMATION FOR STUDENTS:**

- (a) **Academic Misconduct:** (cheating, plagiarism, or any other form) is a very serious offence that will be dealt with rigorously in all cases. A single offence may lead to disciplinary probation or suspension or expulsion. The Faculty of Science follows a zero tolerance policy regarding dishonesty. Please read the sections of the University Calendar under [Section K](#). Student Misconduct to inform yourself of definitions, processes and penalties
- (b) **Assembly Points:** In case of emergency during class time, be sure to FAMILIARIZE YOURSELF with the information on [assembly points](#).

- (c) **Academic Accommodation Policy:** Students with documentable disabilities are referred to the following links: [Calendar entry on students with disabilities](#) and [Student Accessibility Services](#).
- (d) **Safewalk:** Campus Security will escort individuals day or night (<http://www.ucalgary.ca/security/safewalk/>). Call 220-5333 for assistance. Use any campus phone, emergency phone or the yellow phones located at most parking lot pay booths.
- (e) **Freedom of Information and Privacy:** This course is conducted in accordance with the Freedom of Information and Protection of Privacy Act (FOIPP). As one consequence, students should identify themselves on all written work by placing their name on the front page and their ID number on each subsequent page. For more information see also
- (f) <http://www.ucalgary.ca/secretariat/privacy>.
- (g) **Student Union Information:** [VP Academic](#) Phone: 220-3911 Email: suvpaca@ucalgary.ca.
SU Faculty Rep. Phone: 220-3913 Email: sciencerep@su.ucalgary.ca; [Student Ombudsman](#)
- (h) **Internet and Electronic Device Information:** You can assume that in all classes that you attend, your cell phone should be turned off unless instructed otherwise. Also, communication with other individuals, via laptop computers, Blackberries or other devices connectable to the Internet is not allowed in class time unless specifically permitted by the instructor. If you violate this policy you may be asked to leave the classroom. Repeated abuse may result in a charge of misconduct.
- (i) At the University of Calgary, feedback provided by students through the Universal Student Ratings of Instruction (USRI) survey provides valuable information to help with evaluating instruction, enhancing learning and teaching, and selecting courses (www.ucalgary.ca/usri). Your responses make a difference - please participate in USRI Surveys.

Department Approval _____ ORIGINAL SIGNED _____ Date _____

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Letter grade conversion scheme for Zool 597:

Letter grade	Mark Cut off
A+	91
A	86
A-	81
B+	76
B	71
B-	67
C+	63
C	59
C-	55
D+	50
D	45
F	below 45

UNIVERSITY OF CALGARY
DEPARTMENT OF BIOLOGICAL SCIENCES
COURSE OUTLINE
ZOOLOGY 597
PRINCIPLES OF ENDOCRINOLOGY

TERM:

Fall 2014

SECTION NO: 01

PREREQUISITE(S): Zoology 463

A student may not register in a course unless he has a grade of at least C- in each prerequisite course.

COURSE COORDINATOR: Dr. H. R. Habibi

LECTURERS: Dr. Hamid R. Habibi BI 276 220-5270 habibi@ucalgary.ca
Dr. Matt M. Vijayan BI 488 220-3094 matt.vijayan@ucalgary.ca

LECTURES: T R 9:30-10:45 ST063

TEXT: Required: N/A

MARK DISTRIBUTION: A. Composition of Final Grade

Midterm Exam 40%
Final Exam 60%

B. Final Exam

There will be a final examination scheduled by the Registrar's Office.

This course is designed to provide coverage of the principles of modern endocrinology and to prepare students for graduate courses on more advanced topics in endocrinology. Lectures will include examples to emphasize comparative aspects. It is assumed that the student has knowledge of basic endocrinology from previous physiology and biochemistry courses.

ZOOLOGY 597 SCHEDULE, 2014

Lec **Date** **Lecture Title**

Mechanisms of Hormone action (H.R. Habibi)

1	Tuesday	Sep 9	Introduction, measurement & characterization of hormones
2	Thursday	Sep 11	Hormone-receptor interaction
3	Tuesday	Sep 16	Hormonal drug development and Biotechnology
4	Thursday	Sep 18	Signal Transduction: Membrane receptors
5	Tuesday	Sep 23	Signal Transduction: Nuclear receptors

Hormonal control of growth, reproduction and differentiation (H.R. Habibi)

6	Thursday	Sep 25	Hypothalamic-Pituitary hormones
7	Tuesday	Sep 30	Hypothalamic-Pituitary hormones
8	Thursday	Oct 2	Hypothalamic-Pituitary hormones
9	Tuesday	Oct 7	Endocrine control of growth and differentiation
10	Thursday	Oct 9	Endocrine control of growth and differentiation
11	Tuesday	Oct 14	Male and female reproduction
12	Thursday	Oct 16	Male and female reproduction
13	Tuesday	Oct 21	Gonadal function
14	Thursday	Oct 23	Therapeutic use of hormones and analogues

Tuesday Oct 28 MID-TERM EXAM (40%; 9-30 a.m. – 10:45 a.m. Lec 1-14)

Integrated control of intermediary metabolism (M.M. Vijayan)

15	Thursday	Oct 30	Adrenal Endocrinology
16	Tuesday	Nov 4	Adrenal Endocrinology
17	Thursday	Nov 6	Stress Endocrinology
18	Thursday	Nov 13	Special Topic 1: Endocrine disruption - reproduction (<i>HR Habibi</i>)
19	Tuesday	Nov 18	Stress Endocrinology
20	Thursday	Nov 20	Special Topic: Endocrine disruption - stress
21	Tuesday	Nov 25	Hormonal control of metabolism
22	Thursday	Nov 27	Hormonal control of metabolism
23	Tuesday	Dec 2	Hormonal control of metabolism
25	Thursday	Dec 4	Hormonal control of metabolism

FINAL EXAMINATION (60%; will be scheduled by the Registrar. Lec 1-25)

Lecture duration 75 minutes (9:30 – 10:45 am.)