



UNIVERSITY OF CALGARY  
 FACULTY OF SCIENCE  
 DEPARTMENT OF BIOLOGICAL SCIENCES  
 COURSE OUTLINE

**1. Course: BIOLOGY 451 - CONSERVATION BIOLOGY**

Lecture Sections: L01 MWF 15:00-15:50 SA 104 WINTER 2017

TUTORIALS: B01/02/03 T 11:00/13:00/15:00 ENA 233  
 B04/05/06 R 11:00/13:00/15:00 ENA 233

Course Coordinator: Dr. R. Cartar

Instructor(s): Dr. R. Cartar BI 355 220-3640 cartar@ucalgary.ca  
 Dr. J.R. Post BI 262 220-6937 jrpost@ucalgary.ca

Desire to Learn course name: BIOL 451 L01 – (Winter 2017) – Conservation Biology  
 Biological Sciences Department BI 186; (403) 220-3140; biosci@ucalgary.ca

**2. PREREQUISITE(S):** Biology 313  
 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:

<b>Tutorial reports</b>	<b>15%</b>	<b>Tuesday, Feb. 28, 2017 (1800-2000h) Room SB103</b>
<b>Tutorial participation</b>	<b>11%</b>	
<b>Midterm exam</b>	<b>37%</b>	
<b>Final exam</b>	<b>37%</b>	

There will be a final exam scheduled by the Registrar's office.

Each piece of work (Tutorial reports, 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.

Grading Scheme

A+	A	A-	B+	B	B-	C+	C	C-	D+	D	F
95	86	80	77	73	70	67	63	60	55	50	<50%

**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.3 of the University Calendar

**5. Scheduled out-of-class activities:** Dates and times of approved class activities held outside of class hours.

**Midterm** **Tuesday, February 28, 2017** 1800-2000h **Room SB103**

**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:**                    **Recommended:** Conservation Biology for All (ed. NS Sodhi & PR Ehrlich). Oxford. 2010. ISBN: 978-0-19-955423; Free: <http://www.conbio.org/publications/free-textbook>
- 7. Examination Policy:** No electronic or written aids (e.g., 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.** In this course, the quality of the student's writing in tutorial reports will be a factor in the evaluation of those reports to the extent that this affects the clear presentation of ideas. See also [Section E.2](#) of the University Calendar.
- 9. Human studies statement:** N/A

STUDIES IN THE BIOLOGICAL SCIENCES INVOLVE THE USE OF LIVING AND DEAD ORGANISMS. Students are expected to be familiar with <http://www.ucalgary.ca/pubs/calendar/current/sc-5-1.html> of the on-line calendar.

See also <http://www.ucalgary.ca/pubs/calendar/current/e-5.html>.

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

- (a) **Misconduct:** 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) **Student Accommodations:** Students needing an Accommodation because of a Disability or medical condition should contact Student Accessibility Services in accordance with the Procedure for Accommodations for Students with Disabilities available at [http://www.ucalgary.ca/policies/files/policies/procedure-for-accommodations-for-students-with-disabilities\\_0.pdf](http://www.ucalgary.ca/policies/files/policies/procedure-for-accommodations-for-students-with-disabilities_0.pdf).  
  
Students needing an Accommodation in relation to their coursework or to fulfil requirements for a graduate degree, based on a Protected Ground other than Disability, should communicate this need, preferably in writing, to the Associate Head of Biological Sciences, Dr. H. Addy by email [addy@ucalgary.ca](mailto:addy@ucalgary.ca) or phone 403 220-3140.
- (d) **Safewalk:** Campus Security will escort individuals day or night (<http://www.ucalgary.ca/security/safewalk/>). Call 2205333 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 (FOIPPA). 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 <http://www.ucalgary.ca/secretariat/privacy>.
- (f) **Student Union Information:** VP Academic Phone: 403 220-3911 Email: [suypaca@ucalgary.ca](mailto:suypaca@ucalgary.ca)  
SU Faculty Rep. Phone: 403 220-3913 Email: [science1@su.ucalgary.ca](mailto:science1@su.ucalgary.ca), [science2@su.ucalgary.ca](mailto:science2@su.ucalgary.ca) and [science3@su.ucalgary.ca](mailto:science3@su.ucalgary.ca);  
Student Ombuds Office: 403 220-6420 Email: [ombuds@ucalgary.ca](mailto:ombuds@ucalgary.ca); <http://ucalgary.ca/provost/students/ombuds>
- (g) **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.
- (h) **U.S.R.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](http://www.ucalgary.ca/usri)). Your responses make a difference – please participate in USRI Surveys.

Department Approval \_\_\_\_\_ ORIGINAL SIGNED \_\_\_\_\_ Date \_\_\_\_\_

Associate Dean's Approval for  
out of regular class-time activity: \_\_\_\_\_ ORIGINAL SIGNED \_\_\_\_\_ Date: \_\_\_\_\_  
B451 co W17; 12/5/2016 9:05 AM

**BIOLOGY 451 TENTATIVE LECTURE SCHEDULE WINTER 2017**

Note: This schedule is provisional, so some variation in timing & sequence of topics can be anticipated. Tutorials associated with written assignments appear in bold in this list (i.e., T2, T6, T9)

Week	Date	Lecture Topic	Lecturer	Tutorial
1	09 January, 2017	What is conservation biology?	Cartar	T1
1	11 January, 2017	Biodiversity: measurement	Cartar	
1	13 January, 2017	Biodiversity: measurement	Cartar	
2	16 January, 2017	Biodiversity: causes	Cartar	<b>T2</b>
2	18 January, 2017	Biodiversity: causes	Cartar	
2	20 January, 2017	Biodiversity: consequences	Cartar	
3	23 January, 2017	Biodiversity: consequences	Cartar	T3
3	25 January, 2017	Biodiversity: how much?	Cartar	
3	27 January, 2017	Biodiversity: how much?	Cartar	
4	30 January, 2017	Biodiversity: protection	Cartar	T4
4	01 February, 2017	Biodiversity: protection	Cartar	
4	03 February, 2017	Biodiversity: genetics	Cartar	
5	06 February, 2017	Biodiversity: genetics	Cartar	T5
5	08 February, 2017	Conflicting agendas I: Sea lice & salmon	Cartar	
5	10 February, 2017	Conflicting agendas I: Sea lice & salmon	Cartar	
6	13 February, 2017	Conflicting agendas II: AB Forests	Cartar	<b>T6</b>
6	15 February, 2017	Review session	Cartar	
6	17 February, 2017	Reintroductions	Moehrensclager	
7	20 February, 2017	Reading week		
7	22 February, 2017	Reading week		
7	24 February, 2017	Reading week		
8	27 February, 2017	Reintroductions	Moehrensclager	No tutorial (exam this week)
8	01 March, 2017	Conservation medicine	Moehrensclager	
8	03 March, 2017	Conservation & poverty alleviation	Moehrensclager	
9	06 March, 2017	Marine Conservation	Post	T7
9	08 March, 2017	Marine Conservation	Post	
9	10 March, 2017	Marine Conservation	Post	
10	13 March, 2017	Sustainable Harvest	Post	T8
10	15 March, 2017	Sustainable Harvest	Post	
10	17 March, 2017	Harvest Induced Evolution	Post	
11	20 March, 2017	Metapopulations and Reserve Design	Post	<b>T9</b>
11	22 March, 2017	Metapopulations and Reserve Design	Post	
11	24 March, 2017	Invasive Species	Post	
12	27 March, 2017	Invasive Species	Post	T10
12	29 March, 2017	Species at Risk	Post	
12	31 March, 2017	Species at Risk	Post	
13	03 April, 2017	Species at Risk	Post	T11
13	05 April, 2017	Species at Risk	Post	
13	07 April, 2017	Climate Change	Post	
14	10 April, 2017	Climate Change	Post	No tutorial
14	12 April, 2017	Review Session	Post	