



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

1. Course: **Biology 205 - The Organization and Diversity of Life**

Lecture Sections: L01 MWF 10:00 – 11:50 Spring 2017

Instructor(s): Dr. L. Powell BI 379B 220-7638 lpowell@ucalgary.ca

D2L Course Website: [BIOL 205 L01 - \(Spring 2017\) – Organization & Diversity of Life](#)

Biological Sciences Department BI 186; (403) 220-3140; biosci@ucalgary.ca

2. **PREREQUISITES:** NIL

Note: Credit for both Biology 205 and any of 231, 233, 241 and 243 will not be allowed. Not open for credit to Honours, Majors or Minors in the Department of Biological Sciences or to Natural Sciences program students with a Concentration in Biological Sciences.

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:

First in-class midterm exam (29 May, 2017)	30%
Second in-class midterm exam (12 June, 2017)	35%
Final Exam (Scheduled by the Registrar)	35%

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: <http://www.ucalgary.ca/pubs/calendar/current/sc-3-6.html>. It is the student's responsibility to familiarize himself/herself with these regulations. See also <http://www.ucalgary.ca/pubs/calendar/current/e-3.html>.

5. Dates and times of class exercises 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 at the appropriate time so that alternative arrangements may be made for you.

6. **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: <http://www.ucalgary.ca/pubs/calendar/current/g.html>.

7. **STUDIES IN THE BIOLOGICAL SCIENCES INVOLVE THE USE OF LIVING AND DEAD ORGANISMS.** See also <http://www.ucalgary.ca/pubs/calendar/current/e-5.html>.

8. **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.
- 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 or phone 403 220-3140.
- (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 <http://www.ucalgary.ca/secretariat/privacy>.
- (f) **Student Union Information:** VP Academic Phone: 403 220-3911 Email: suvpaca@ucalgary.ca
SU Faculty Rep. Phone: 403 220-3913 Email: science1@su.ucalgary.ca, science2@su.ucalgary.ca and science3@su.ucalgary.ca;
Student Ombuds Office: 403 220-6420 Email: 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). Your responses make a difference - please participate in USRI Surveys.

Department Approval ORIGINAL SIGNED Date _____

UNIVERSITY OF CALGARY
DEPARTMENT OF BIOLOGICAL SCIENCES
COURSE OUTLINE
BIOLOGY 205

THE ORGANIZATION AND DIVERSITY OF LIFE

Term: Spring 2017 L01

NOTE: **NOT open for credit** to Honours, Majors or Minors in the Department of Biological Sciences or to Natural Sciences program students with a Concentration in Biological Sciences. **Credit for both Biology 205 and any of 231, 233, 241 and 243 will not be allowed.**

Course Instructors: Dr. L. Powell BI 379B 220-7638 lpowell@ucalgary.ca

Lectures: MWF 10:00– 11:50 SA 104

Required Text: Campbell Biology: Concepts and Connections. 2nd Custom Edition for Univ. of Calgary
Reece JB, Taylor MR, Simon EJ, Dickey JL, Scott KG-E. Pearson Education Inc.

Mark Distribution: A. Composition of Final Grade

First in-class midterm exam (29 May, 2017)	30%
Second in-class midterm exam (12 June, 2017)	35%
Final exam (Scheduled by the Registrar)	35%

Deferrals of exams: Any deferrals of term work will be arranged by the student in consultation with the course coordinator and the lecturer. Deferrals will be allowed only for legitimate conflicts. Students should read the Attendance section in the University of Calgary Calendar.

EXAMINATION POLICY: Students should also read the Calendar, Section G, on Examinations:
<http://www.ucalgary.ca/pubs/calendar/current/g.html>.

Students will be expected to attend examinations on the day and at the time indicated in the course outline if they have no legitimate conflicts. Medical difficulties that lead to the missing of term work will require a written excuse from an M.D. Such medical excuse forms should be provided to the course coordinator as soon as possible upon the student's return to University. Note, as the tests will be held during regular lecture times there should not be any conflict in time. Students are expected to attend all lectures.

Deferrals of final examinations are handled through the Registrar's Office.

Final Grade Scale :

A+:	95 or higher
A :	90 and under 95
A- :	85 and under 90
B+:	80 and under 85
B :	75 and under 80
B- :	70 and under 75
C+:	65 and under 70
C :	60 and under 65
C- :	55 and under 60
D+:	53 and under 55
D :	50 and under 53
F :	<50

BIOLOGY 205 – The Organization and Diversity of Life - Spring 2017

Dates	Lecture Topics	Text Chapters
15 May	Course Introduction – Biology as a Science	1
17 May	Cellular Structure - macromolecules	2, 3
19 May	Cellular Structure – organelles	4
24 May	Cellular Function	5
26 May	Cell Energetics	5
29 May	First Midterm – in class	
31 May	Cellular Reproduction	8
2 June	The Genetic Code	10
5 June	Inheritance & Genetics	9
07 June	Biodiversity: A Survey of the Living World	
09 June	Evolution I: Introduction to Evolutionary Biology	13
12 June	Second Midterm – in class	
14 June	Evolution II: Mechanisms of Evolution	14
16 June	Evolution III: Speciation	15
19 June	Evolution IV: Phylogeny and the Tree of Life	15
21 June	Evolution V: Evolution of the Vertebrates	21
23 June	Ecology I: Populations and Life History	
26 June	Ecology II: The Biosphere	

Final Exam to be scheduled by the registrar during the period examination period June 28-30.