



UNIVERSITY OF CALGARY

DEPARTMENT OF BIOLOGICAL SCIENCES COURSE OUTLINE

1. **Course:** BIOLOGY 309 – PLANTS AND PEOPLE

Lecture Section(s): L01 MW 14:00-15:15 ES 054 FALL 2014

Instructor(s): Dr. J. Vamosi BI 482 210-9594 jvamosi@ucalgary.ca
Dr. E. Yeung BI 391 220-7186 yeung@ucalgary.ca

Course website or Desire 2 Learn (D2L) course name: TBA

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

2. **Prerequisites:** Biology 205 or 231 or 241.
See section 3.5.C in the Faculty of Science section of the online Calendar.

Antirequisites: Not open for credit to Honours, Majors and Minors in the Department of Biological Sciences for 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:

Module 1 – Midterm Examination	35%
Module 1 – Essay	15%
Module 2 – Quiz (in class)	20%
Module 2 - Seminar	15%
Module 2 – Written Assignment	15%

There will NOT be a final exam .

“Each piece of work (assignment, laboratory report, 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:** NONE
7. **Examination Policy:** Students are allowed a non-programmable calculator for their quiz in Module 2. Students should also read the Calendar, [Section G](#), on Examinations.
8. **Writing across the curriculum statement:** e.g. “In this course, the quality of the student’s writing in the written assignments will a factor in the evaluation of those reports. See also [Section E.2](#) of the University Calendar.

9. ETHICS IN THE BIOLOGICAL SCIENCES

Studies in the Biological Sciences involve the use of living and dead organisms. Students taking laboratory- and field-based courses in these disciplines can expect involvement with and experimentation on such materials. Students perform dissections on dead or preserved organisms in some courses. In particular courses, students experiment on living organisms, their tissues, cells, or molecules. Sometimes field work requires students to collect a variety of living materials by many methods, including humane trapping.

All work on humans and other animals conforms to the Helsinki Declaration and to the regulations of the Canadian Council on Animal Care. The Department strives for the highest ethical standards consistent with stewardship of the environment for organisms whose use is not governed by statutory authority. Individuals contemplating taking courses or majoring in one of the fields of study offered by the Department of Biological Sciences should ensure that they have fully considered these issues before enrolling. Students are advised to discuss any concern they might have with the Undergraduate Program Director of the Department.

10. 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 (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
- (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 _____ Date _____

Associate Dean's Approval for

NO FINAL EXAM: _____ Date: _____

B309 F14; 8/21/2014 11:08 AM

BIOLOGY 309

PLANTS AND PEOPLE

TERM: Fall 2014 SECTION NO: 01

PREREQUISITE(S): Biology 205 or 231 or 241.

NOTE: Not open for credit to Honours, Majors and Minors in the Department of Biological Sciences or to Natural Sciences program students with a Concentration in Biological Sciences. A student may not register in a course unless he/she has a grade of at least C- in each prerequisite course.

COURSE LECTURERS: **Dr. J. Vamosi** **BI 482** **210-9594** **jvamosi@ucalgary.ca**
Dr. E. Yeung **BI 391** **220-7186** **yeung@ucalgary.ca**

LECTURES: MW 1400 hr ES 054

RECOMMENDED TEXT: Plants and Society. E. Levetin & K. McMahon.
McGraw-Hill, 5th Edition.

RESERVE READING ROOM: See attached list.

MARK DISTRIBUTION:

A. Composition of Final Grade

Module 1 – Midterm Examination	35%
Module 1 – Written Assignment I	15%
Module 2 – Quiz (in class)	20%
Module 2 - Seminar	15%
Module 2 – Written Assignment II	15%

B. Final Exam

There will be **No final examination** scheduled by the Registrar's Office.

C. Components of course for which a passing grade is essential

A passing grade is not essential in each component of the course.

TENTATIVE LECTURE SCHEDULE

DATE	TOPIC
Sept. 8	General morphological and structural organization of plants
Sept. 10, 15	Plant cell characteristics, common cell types
Sept. 17	Cell wall and dietary fiber
Sept. 22, 24	Root and storage roots
Sept. 24, 29	Stem and tubers
Oct. 1, 6	Leaf and tea
Oct. 8, 15	Secretory structures, from perfumes to opium
Oct. 20	Mid-term exam
Oct 22-27	Ecosystem services from plants
Oct 29	Plant diversity, extinction and sustainability
Nov 3-5	Plant diversity research: food and pharmaceuticals
Nov. 8-11	Reading Days
Nov. 12	Guest Lecture and Review
Nov. 17	Quiz
Nov. 19-Dec. 3	Seminars on Plants, Agriculture, and Human Health

Grading Scale

<u>Cut-off</u>	<u>Letter Grade</u>
95% =	A+
86% =	A
81% =	A-
78% =	B+
74% =	B
71% =	B-
67% =	C+
63% =	C
60% =	C-
55% =	D+
50% =	D
<50%=	F