

BIOL180 – PLANTS & PEOPLE – Spring 2018

- go to course website for copies, corrections and updates -

INSTRUCTOR INFORMATION

Dr. Leslie Seiger

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Office: MS 315P
Mailbox in K-203

Drop In Office Hours in MS 315P

Mon/Wed	10 ⁰⁰ - 11 ⁰⁰
Tue/Thu	1 ³⁰ - 2 ⁰⁰
Tue/Thu	3 ⁰⁰ - 3 ³⁰

Website: <http://homework.sdmesa.edu/lseiger/>

additional office hours by appointment

COURSE INFORMATION

LECTURE: TTh 3:55 PM - 5:20 PM MS322

Catalog Course Description: BIOL 180 Plants and People This is an introductory course that examines the interdependence of humans and plants. This course is intended for all that want to learn about the uses of plants, especially those students with an interest in biology, anthropology, environmental sciences, and/or agriculture. Emphasis is on plant ecology as well as the basic biology of plant groups that provide us with food, medicine, recreation, decoration, and material goods as well as those that produce stimulating, intoxicating, or harmful effects. Basic principles of taxonomy, cell structure, plant physiology, plant anatomy, ecology and genetics are explored as they relate to these plants. Current environmental and economic issues and the role of molecular genetics in future plant development and the importance of genetic diversity are also examined. Associate Degree Credit & transfer to CSU. CSU General Education. IGETC. UC Transfer Course List. Limitation: Credit will only be granted for either 180 or 215 and 250 combined. No credit for 180, 215 or 250 if taken after 210A or 210B.

**3.00 Lecture Hours, 3.00 Units
Letter Grade or Pass/No Pass Option**

Course Advisory: ENGL 101 with a grade of "C" or better, or equivalent, or Assessment Skill Levels W6/R6.

Student Learning Outcomes:

1. Be able to discuss the important food plants of the world and describe their basic characteristics, biology, history, cultivation, and nutritional value.
2. Be able to analyze the impact plant domestication has on the environment, and evaluate potential economic gains versus environmental deterioration.

Course Outline And Scope: Topics to be covered are provided in the attached lecture schedule.

Accommodation Of Disability: Students with disabilities who may need academic accommodations should notify the professor in writing within the first two weeks of instruction. All information will be kept confidential. Students that need evacuation assistance during campus emergencies should also meet with the instructor as soon as possible to assure the health and safety of all students. If you encounter a problem accessing anything in this course, please contact me as soon as possible.

Required Textbooks & Supplies:

1. *Economic Botany: Plants in Our World* Simpson, Brintnall, and Conner-Ogorzaly, Boston, MA: McGraw-Hill, 4th edition ISBN: 0073524247 (an older edition may be used)
2. 882-ES scantrons (4)

Website: There is a website for this course. Please check it for class updates, handouts and other information.

STUDENT RIGHTS & RESPONSIBILITIES

Classroom Behavior And Student Code Of Conduct

1. It is expected that students will conduct themselves within the standards outlined in the student code of conduct, disciplinary procedure and student due process. Disciplinary action will be taken by the instructor as necessary. Please refer to Policy 3100: <http://www.sdmesa.edu/about-mesa/facultystaff/policies/>
2. Students are expected to come to class in a timely manner, prepared for the day's work. Full participation for the entire class period in activities, class exercises and discussions is required.
3. Incidents involving removal of a student from class will be reported to the college disciplinary officer for follow up. Acceptance of make-up work during the removal is at the discretion of the instructor. If you are removed from the lab for violating the safety policy above, no make-up work will be allowed or accepted.
4. You may be expelled from class with an **unexcused absence for nonclass use of your cell phone** in the classroom.

Attendance

5. Attendance is required and may impact your grade (see section on assessments). See "Grading" below.
6. It is the student's responsibility to make up missed material. This includes, but is not limited to, obtaining missed lecture notes from another student (not from the instructor), and finding out about any modifications of schedules or assignments announced during class time.

Tardiness

7. Tardiness and early departure are disruptive to the class and will be discouraged. Once you arrive, please remain seated until the lecture is over. The instructor will take steps to discourage tardiness or early departure as necessary.
8. The instructor is not required to accommodate students arriving late. If a tardy student comes to class to take an exam after another student has already taken the exam and left the room, the tardy student cannot take that exam. Once an exam begins there are no bathroom or other breaks.

Withdrawal

9. It is your responsibility to officially drop the class if you stop attending. You must drop using Reg-e or other approved procedures. Not doing so will result in a grade of "F." It is the instructor's discretion to withdraw a student after the add/drop deadline (include date) due to excessive absences. *Please discuss your plans to withdraw from class with me as I may be able to provide options that would allow you to continue the class.*

Important Dates

Feb 9	Last day to process and pay for an add code
Feb 9	Last day to drop and get a refund
Feb 9	Last day to drop with no "W" recorded
Mar 5	Last day to file a petition for Pass/No Pass grade option
Mar 26 – 31	Spring Break (classes not in session)
Apr 13	Withdrawal deadline – no drops accepted after this date
May 24	Final exam

You must file for withdrawal to avoid a grade of "F"

Honest Academic Conduct

10. Academic dishonesty will result in a grade of zero for the assignment and will be reported to the School Dean and the Disciplinary Officer, and may result in further disciplinary action. Academic dishonesty includes, but is not limited to, **cheating**, which includes **unauthorized collaboration** and **plagiarism** as defined in Policy 3100. Please refer to student policies: <http://www.sdmesa.edu/student-services/student-affairs/policies.shtml>

GRADING

Grading Policy

A	90%
B	80%
C	70%
D	60%

Assessments

Lecture Exams (4 @ 100 points)	400	(80%)
Project 1 (10-100% late penalty)	50	(10%)
Project 2 (10-100% late penalty)	50	(10%)
TOTAL	500	(100%)

Individual extra credit is not available.

ASSESSMENTS are based on material presented in class as well as outside assignments.

Please advise me if you are a DSPS student or need other accommodations for test taking.

Nonnative speakers of English may use a translation dictionary for exams by prior arrangement.

Lecture exams

may include multiple choice, true/false, fill-in-the-blank and short answer. There will be four, noncumulative exams each worth 100 points. Please note the start and end times. Refer to item (9) under "Tardiness." Once an exam begins there are no bathroom or other breaks. Missed exams will receive a grade of zero (see below). No grades are dropped. You will need to bring an 882ES scantron, which can be purchased at the bookstore.

Independent Projects

Descriptions and requirements are available on the class website.

- Grades for written assignments will be reduced by 10% (one letter grade) if turned in up to one week late and will receive 0 (zero) points if turned in more than one week late.

MISSED LECTURE EXAMS WILL RECEIVE A GRADE OF ZERO.

- *Exams given during finals week cannot be made up.*
- *No early finals.*
- *For exams 1- 3, there is a very strict and limited make-up policy described below.*

Because legitimate emergencies sometimes arise, there are a very few circumstances in which a lecture exam may be made up. For that to occur, **the student must take full responsibility for meeting all of the following requirements**. No exceptions will be made.

- (1) There must be a legitimate emergency or illness.
- (2) You must **contact the instructor before the exam** to make arrangements for a makeup.
- (3) You must provide appropriate **written documentation** of your reason for requiring a make-up. These documents must be presented before the make-up exam is taken and will be filed with your class records.
- (4) Your excuse must be valid and your documentation appropriate in the view of the instructor.
- (5) Makeup lecture exams must be made up during the instructor's regularly scheduled office hours within 6 calendar days (4 business days) of the scheduled exam date. Makeup exams may consist of any of the following question formats: oral questions, essay questions, or any format used in regular exams.

WEEK	DATES	EXAMS & PROJECTS	READINGS
1	Jan 30/Feb 1		Chapter 1 Plants in Our World
2	Feb 6/8		Chapter 2 Origins of an Agricultural Way of Life
3	Feb 13/15		Chapter 3 Human Manipulation of Plants
4	Feb 20/22		Chapter 4 Fruits and Nuts of Temperate Regions Chapter 5 Fruits and Nuts of Warm Regions
5	Feb 27/Mar 1	Exam 1 Tuesday 2/27 on material 1/30 - 2/22	Chapter 6 Old World Grains
6	Mar 6/8		Chapter 7 New World Grains and Forage Grasses
7	Mar 13/15	Project 1 due	Chapter 8 Legumes
8	Mar 20/22		Chapter 9 Foods from Stems and Leaves Chapter 10 Foods from Roots, Tubers, and Rhizomes
9	Mar 27/29	SPRING BREAK	
10	Apr 3/5	Exam 2 Tuesday 4/3 on material 3/1 - 3/22	Chapter 11 Vegetable Oils and Waxes
11	Apr 10/12		Chapter 12 Hydrocolloids, Elastic Latexes, and Resins Chapter 13 Herbs, Spices, and Perfumes
12	Apr 17/19		Chapter 14 Medicinal Plants Chapter 15 Psychoactive Drugs and Poisons from Plants
13	Apr 24/26	Exam 3 Tuesday 4/24 on material 4/5 - 4/19	Chapter 16 Stimulating Beverages
14	May 1/3		Chapter 17 Alcoholic Beverages Chapter 18 Fibers, Dyes, and Tannins
15	May 8/10	Project 2 due	Chapter 19 Wood, Cork, and Bamboo
16	May 15/17		Chapter 20 Ornamental Plants Chapter 21 Future Trends
17	May 22/24	Exam 4 Thursday 5/24 on material 4/26 - 5/22	

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