

Biology 355, Spring 2015

Plants and People

Textbook: (The textbook is **recommended but not required**; most recent edition is very expensive!!)

Simpson, B.B. and M.C. Ogorzaly. 2001. *Economic Botany: Plants in Our World*.

3rd Ed. (or earlier) McGraw-Hill Publishers, New York. (4th edition, 2013; \$150 - \$215.)

Purchasing a used, previous edition is advised; I will put a textbook on reserve in Parks Library.

Course Prerequisites: Biology 211 and/or Biology 212, or equivalent basic knowledge of plant biology.

EXAMINATIONS, TERM PAPER, OTHER EVIDENCE OF LEARNING, and GRADING:

Four examinations are scheduled; three will be hourly midterm exams; the final exam will be 1.5 hours, and "hemi-cumulative". Please note the following dates as those **required** for exams, mini-review, term paper, and other important dates:

<u>Date</u>	<u>Activity</u>	<u>Percent of Grade</u>	<u>Grade</u>	<u>Grade-Pts</u>
EXAMS: (65%)				
11 February	Midterm Exam 1	15	_____	_____
11 March	Midterm Exam 2	15	_____	_____
15 April	Midterm Exam 3	15	_____	_____
6 May (tent.)	Final Exam†	20	_____	_____
INDIVIDUAL PROJECTS: (35%)				
16 February*	Mini-Review	10	_____	_____
30 March*	Term Paper**	25	_____	_____
	TOTAL	100%		

A missed midterm exam **MAY** be prorated at the discretion of the instructor; under no circumstances will both a midterm hourly exam and the final exam be prorated; [N.B. *a prorated midterm exam score indicates that the student **must** take the final exam*]; please make every effort to attend all exams and submit materials on the specified dates. *Penalties for lateness will be assessed if warranted. Documentation from relevant authorities is required (i.e. medical excuse, note from dean, physician, etc.) to obtain credit for missed work, missed exams, or other problems. ****NOTE: Students must submit a term paper to pass Biology 355.**

Other Important Dates: 19 January - University Holiday - No classes held.

28 January - Mini-Review and Term Paper Subjects Due

27 March – Last Day to drop class without extenuating circumstances

16 - 20 March - Spring Break - No Class (.....as if I had to tell you!)

† FINAL EXAM POLICY:

Students may "grade out" of the Final Exam by superior performance on the three hourly exams, mini review, and term paper. Those individuals having an average of 85.0% or better (B+ or A) as assessed by total grade points accumulated prior to the Final Exam, *will not be required* to take the final exam, and will receive a grade based upon the hourly exams, mini-review, and term paper. Students with a course average prior to the final exam of 84.99% or lower are **required** to take the final exam.

Moral: Work hard and perform well!!

Student with Disabilities or Needing Accommodation: Iowa State University is committed to assuring that all educational activities are free from discrimination and harassment based on disability status. All students requesting accommodations are required to meet with staff in Student Disability Resources (SDR) to establish eligibility. A Student Academic Accommodation Request (SAAR) form will be provided to eligible

students. The provision of reasonable accommodations in this course will be arranged after timely delivery of the SAAR form to the instructor. Students are encouraged to deliver completed SAAR forms as early in the semester as possible. SDR, a unit in the Dean of Students Office, is located in room 1076, Student Services Building or online at www.dso.iastate.edu/dr/. Contact SDR by e-mail at disabilityresources@iastate.edu or by phone at 515-294-7220 for additional information. Please discuss specific accommodations with me at least 5 days prior to any exam or assignment deadline.

Student Attendance Policy and Absences: It is the student's responsibility to attend lectures in Biology 355; attendance will not be taken. I do not expect to be informed when you cannot attend class (...or simply choose to not attend). Given that all material covered on examinations will be discussed in class, **it behooves the student to attend all lectures**. The instructor will not repeat lectures for individual students due to absences, and notes are not supplied. Illnesses or other medical conditions that result in the student missing an examination **will need to be documented** if the student wishes to make-up the examination at another time. Such cases of missed exams due to medical absences must be taken as soon as possible following their return to the University. The Dean of Students Office should be contacted for extended absence cases (or in cases of personal or family emergency), so that all professors can be contacted "officially".

Schedule Conflict Policy: Should legitimate conflicts arise for scheduled examinations, the student should contact the instructor as soon as possible to set up an alternate time to take the examination(s), preferably BEFORE the scheduled examination date and time. Legitimate conflicts include: academically-related travel (i.e. interviews, attending conferences, taking entrance exams, etc.), scheduled or unscheduled medical absences that can be documented, and documented activities related to the student's participation in sporting activities while a member of a University sports team. Schedule conflicts created by employment are not considered acceptable excuses for missing scheduled examinations; the student's first responsibility is to their academic program.

Academic Dishonesty and Misconduct: Any form of academic misconduct or dishonesty will not be tolerated. Such behavior will be thoroughly documented and a report submitted to the appropriate offices for possible disciplinary action. It is assumed that all work submitted by a student (exams, written papers, reports, etc.) are done **by the student**; any form of 'assistance' obtained during exams or misrepresentation of others' work will be treated as academic misconduct. **This includes gathering information via the Internet and representing it, verbatim, as one's own work.** The relevant section of the current student Conduct Policy is shown below:

From: Student Disciplinary Regulations (Student Conduct Policy)

4.2.1 Academic and Research Misconduct

The academic work of all students must comply with all university policies on academic honesty. Examples of academic misconduct are:

1. Attempting to use unauthorized information in the taking of an exam;
2. Submitting as one's own work, themes, reports, drawings, laboratory notes, computer programs or other products prepared by another person;
3. Knowingly assisting another student in obtaining or using unauthorized materials; or
4. Plagiarism.

Academic honesty policies are included in the policy on *Academic Dishonesty*, policies and procedures on *Academic Misconduct Investigations*, and the *Acceptable Use of Information Technology Resources* policy. Additional information on academic dishonesty is available in the *Iowa State University Catalog*. In addition, students are responsible for following ethical standards adopted by the various colleges and departments.

Biology 355, Spring 2015

Class Schedule

Lecture Date	Subject	Reading*	
M 12 January	Course Introduction and Scope, Assignments		↑
W 14 January	Biology of Plants - Structure	Chapter 1	
F 16 January	Biology of Plants - Reproduction	Chapter 1	
M 19 January	University Holiday - No Class		↓
W 21 January	Biology of Plants - Genetics and Selection	Chapter 1	
F 23 January	Activity To Be Determined	-----	
M 26 January	Humans, Plants, and Agriculture	Chapter 2	↑
W 28 January	Fruits and Nuts – I [M.R./T.P. Subjects Due]	Chapters 3 & 4	
F 30 January	Fruits and Nuts - II	Chapters 3 & 4	
M 2 February	Fruits and Nuts – III	Chapters 3 & 4	↓
W 4 February	Grains - I	Chapter 5	
F 6 February	Grains - II	Chapter 5	
M 9 February	Legumes - I	Chapter 6	↑
W 11 February	EXAMINATION 1		
F 13 February	Legumes - II	Chapter 6	
M 16 February	Vegetables – I [MINI-REVIEW DUE]	Chapter 7	↓
W 18 February	Vegetables - II	Chapter 7	
F 20 February	Vegetables – III	Chapter 7	
M 23 February	Herbs and Spices – I	Chapter 8	↑
W 25 February	Herbs and Spices – II	Chapter 8	
F 27 February	Herbs and Spices – III	Chapter 8	
M 2 March	Perfumes & Essential Oils	Chapter 8	↓
W 4 March	Vegetable Oils & Waxes	Chapter 9	
F 6 March	Vegetable Oils & Waxes	Chapter 9	
M 9 March	Latex and Rubber, Resins	Chapter 10	↑
W 11 March	EXAMINATION 2		
F 13 March	Medicinal Plants - I	Chapter 11	
Week of 16 to 20 March - Spring Break - No Class!			
M 23 March	Medicinal Plants – II	Chapter 11	↓
W 25 March	Psychoactive Drugs & Poisons – I	Chapter 12	
F 27 March	Psychoactive Drugs & Poisons – II	Chapter 12	
M 30 March	Stimulating Beverages – I [TERM PAPER DUE]		↑
W 1 April	Stimulating Beverages - II	Chapter 13	
F 3 April	Stimulating Beverages - III	Chapter 13	
M 6 April	Alcoholic Beverages – I	Chapter 14	↓
W 8 April	Alcoholic Beverages – II	Chapter 14	
F 10 April	Alcoholic Beverages – III	Chapter 14	
M 13 April	Plant Fibers - I	Chapter 15	↑
W 15 April	EXAMINATION 3		
F 17 April	Plant Fibers – II	Chapter 15	
M 20 April	Dyes, Plant Pigments & Tannins	Chapter 15	↓
W 22 April	Wood & Wood Products - I	Chapter 16	
F 24 April	Wood & Wood Products – II	Chapter 16	
M 27 April	SPECIAL TOPIC	TBA	↑
W 29 April	Ornamental Plants	Chapter 17	
F 1 May	Plants of the Future - Exploration & Breeding	Chapter 19	

Exam 1
(Chapters 1-5)

Exam 2
(Chapters 6-9)

Exam 3
(Chapters 10-14)

Final Exam
(Chapters 15-19 plus review)

Week of 4 May to 8 May - FINAL EXAM WEEK - Final Exam scheduled for Wednesday, May 6th, 2:15 - 4:15 pm. *Simpson, B.B & M.C. Ogorzaly. 2001. *Economic Botany: Plants in Our World*. 3rd Edition. McGraw-Hill, New York.