

# PBIO 103: Plants and People

## Syllabus

Spring Quarter 2006  
Call # 06480 (4 credit hours)

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**Office:** 307-E Porter Hall; (740) 593-0742

**Lectures:** MTWTh, 3-4 PM, Walter Hall 145

**Office Hours:** 4-5 pm, M-Th; By appointment (please e-mail [carterc3@ohio.edu](mailto:carterc3@ohio.edu))

### Course Description:

This course covers the interrelationships between plants and humans from both historical and modern points of view, origins of agriculture and civilization, tropical and temperate food plants, medicinal plants, drug plants, destruction of the environment, and its ultimate effect on food plants.

### Course Materials:

**Textbook** Economic Botany 3<sup>rd</sup> ed. (2001) by Simpson & Ogorzaly, McGraw Hill, New York.  
(Recommended)

### Assessment and Grading:

The final course grade will be determined by summing the point values of two lecture exams, the final exam, and attendance. Any one missing an exam will receive a zero for that exam unless adequate proof of a legitimate absence as outlined in the Undergraduate Catalog is given (illness, death in immediate family, religious observance, jury duty, and involvement in University-sponsored activities). It is the responsibility of the student to contact the instructor to provide evidence of a legitimate absence, especially when the absence is foreseen (See Attendance Policy below). The final exam is scheduled for **THURSDAY, JUNE 8 @ 2:30 PM, WALTER HALL 145**

Assigned point values are as follows:		Grading scale:	
Exam I	100 pts	90-92%, 93% +	A-, A
Exam II	100 pts	80-82%, 83-87%, 88-89%	B-, B, B+
Final exam	100 pts	70-72%, 73-77%, 78-79%	C-, C, C+
Attendance	30 pts	60-62%, 63-67%, 68-69%	D-, D, D+
<b>Total</b>	<b>330 pts</b>	<b>≤ 59 %</b>	<b>F</b>

Exams: Three exams will be comprised of short answer, essay, multiple choice, problem solving, and fill-in-the-blank questions. Each exam will come from material covered in class, corresponding book chapters as outlined in the lecture schedule, and any supplemental readings, videos, and presentations up to that point. Material may be derived from assigned book chapters even if it was not covered during lecture. The final exam *is not* comprehensive. Questions will be incorporated into the lecture that will provide students with an idea of the type of questions to expect and overall exam structure. If a make-up exam is required per University excused absence, it may be a

different and more difficult exam than what was provided to the students during the regularly scheduled exam (see in relation to 'attendance policy').

Extra credit: There will be no opportunities to earn extra-credit in this course. I believe that your time is better spent studying the course-relevant material (in this class and others). Time used for extra-credit is time spent away from studying/reviewing your notes and the text. Invest in what is important.

**Attendance Policy:**

Attendance is mandatory, will be taken during each class and will constitute 30 pts. of your final grade. It is highly recommended that students attend all classes as class time is organized around activities and discussions that draw from the diverse experience of the students. Each student will be provided *2 excused absences* no matter what the reason except for exams, but points will be deducted beginning with the third absence as follows:

<b>Missed days:</b>	<b>30 pts. total:</b>
<b>0-2</b>	<b>30 pts.</b>
3	27 pts.
4	24 pts.
5	21 pts.
6	18 pts.
7+	0 pts.

*In relation to missed exams and classes:* I **require** that a written and signed note from a person in authority relative to the situation (i.e. coach, physician, dept. chair) be provided to me explaining the reason the student will be missing or has missed an exam per excused absence. For instance, if a student on an athletic team has a game scheduled for the same time as an exam, then a signed letter from the coach or sponsoring office explaining this would be acceptable. We would then discuss an appropriate time to reschedule the exam. Travel arrangements (previously scheduled or not) are not an acceptable excuse to miss or reschedule an exam. Make-up exams may be different and more difficult than what was provided to the students during the regularly scheduled exam. Again, any one missing an exam will receive a zero for that exam unless adequate proof of a legitimate absence as outlined in the Undergraduate Catalog is given (illness, death in immediate family, religious observance, jury duty, and involvement in University-sponsored activities). Notification of all **foreseen absences** for exams must be made evident to the instructor along with supporting documentation during the **first week of class (by Fri. March 31)**. Students not clearing **foreseen absences** during the first week of class will receive a **zero** for that exam and will not be given an opportunity to make-up the exam if it is missed. It is the student's responsibility to acquire class material of missed classes from someone else in the class no matter whether the excuse was legitimate or not. I will not meet with students for the sole purpose of reviewing a lecture when a class was not attended.

**Academic Dishonesty:**

I expect that each student will be honest in all of their academic endeavors. All assignments and exams are expected to be an individual effort. However, any student caught cheating, plagiarizing (if in doubt, document your sources) or engaging in any form of academic misconduct as outlined in

the Undergraduate Catalog will automatically fail the assignment, the course, and will be immediately referred to the Judiciaries.

**Academic Freedom:**

Students, instructors, and any invited speakers are encouraged to share their views and expertise in an academic setting without fear of retribution or malice. It is my intention to provide a safe, respectful, and optimal environment that promotes learning. Respect each other even if you do not agree.

**Class Etiquette:**

Again, it is my intention to provide a safe, respectful, and optimal environment that promotes learning. Yet in recent years, it has been recognized that the amount of talking during lectures across campus has increased. Students talking, whispering, reading the newspaper, or creating other disturbance during lecture not related to the activity at hand will be excused from class. Students committing a second offense will be referred to the Judiciaries. **Please turn off cell phones, pagers, and beepers before the start of class.**

Week	Date	Day	Topic	Read
1	Mar 27	Mon	Syllabus & Course Introduction	
	Mar 28	Tues	History of Agriculture	pp. 40-52
	Mar 29	Wed	Video: Alternative Agriculture	
	Mar 30	Thu	Features of Flowering Plants	pp. 1-22
2	Apr 3	Mon	Fruits and Seeds	pp. 53-57
	Apr 4	Tues	Legumes	pp. 136-153
	Apr 5	Wed	Temperate Fruits and Nuts	pp. 57-74
	Apr 6	Thu	Video: Broken Limbs—Apples, Agriculture & the New American Farmer	
3	Apr 10	Mon	Fruits and Nuts from Warm Regions	pp. 75-106
	Apr 11	Tues	Foods from Leaves, Stems, & Roots	pp. 155-191
	Apr 12	Wed	Cereal Grains & Forage Grasses	pp. 107-135
	Apr 13	Thu	<b>Exam I</b>	
4	Apr 17	Mon	Stimulating Beverages (Coffee & Tea)	pp. 313-331
	Apr 18	Tues	Chocolate	pp. 313-331
	Apr 19	Wed	Alcoholic Beverages from Fruits	pp. 332-344
	Apr 20	Thu	Slide show: German Rhine Valley & French Burgundy	
5	Apr 24	Mon	Alcoholic Beverages from Grains	pp. 345-354
	Apr 25	Tues	Demo: Bred for the Brew	
	Apr 26	Wed	Spices, Herbs & Perfumes	pp. 192-217
	Apr 27	Thu	Vegetable Oils & Waxes	pp. 218-241
6	May 1	Mon	Medicinal Plants	pp. 262-284
	May 2	Tues	Video & Demo: Salve & Herbal Remedies	
	May 3	Wed	Guest Presentation: Rural Action	
	May 4	Thu	<b>Exam II</b>	
7	May 8	Mon	Psychoactive Drugs	pp. 286-300
	May 9	Tues	Psychoactive Drugs	pp. 301-310
	May 10	Wed	Guest Presentation: Mushrooms	
	May 11	Thu	Fibers	pp. 355-374
8	May 15	Mon	Video: Hemp Revolution	
	May 16	Tues	Hydrogels, Elastic Latexes, & Resins	pp. 243-261
	May 17	Wed	Dyes & Tannins	pp. 375-377
	May 18	Thu	Natural Dyes	
9	May 22	Mon	Wood, Cork & Bamboo	pp. 378-396
	May 23	Tues	Guest Presentation: Fossil Plants and People	pp. 393-396
	May 24	Wed	Ornamental Plants	pp. 399-429
	May 25	Thu	Guest Presentation: Plant Propagation	
10	May 29	Mon	<b>NO CLASSES—Memorial Day</b>	
	May 30	Tues	Guest Presentation: Algae in Our Daily Lives	
	May 31	Wed	Algae	pp. 431-456
	Jun 1	Thu	Salinity as an Agricultural Problem	

**FINAL EXAM THURSDAY, JUNE 8 @ 2:30 PM, WALTER HALL 145**