

Instructor: Dr. Ed Schilling
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Class Time: Tuesday-Thursday 9:40-10:55

Place: 304 Hesler Biology Building

Textbook: Economic Botany, third edition. B. B. Simpson and M. C. Ogorzaly (McGraw-Hill)

Note: This is not the latest edition, and might not be available at the bookstore - look for it used, online

Date	Day	Topic	Text	Date	Day	Topic	Text
1/11	Thur.	Introductory Material	1	3/06	Tues.	Sugars	7
				3/08	Thur.	Spices & Herbs	8
1/16	Tues.	Plant Structures	1	3/13	SPRING BREAK WEEK		
1/18	Thur.	Plant Manipulation, Names	1				
1/23	Tues.	Origins of Agriculture	2	3/20	Tues.	Vegetable Oils	9
1/25	Thur.	Origins of Agriculture	2	3/22	Thur.	Medicinal Plants	11
1/30	Tues.	Meet at McClung Museum	3	3/27	Tues.	Psychoactive Plants	12
2/01	Thur.	Fruits and Nuts - Intro, Temp	3	3/29	Thur.	Stimulating Beverages	13
2/06	Tues.	Fruits and Nuts – Temperate	3	4/03	Tues.	Exam II	
2/08	Thur.	Fruits and Nuts – Warm Regions	4	4/05	Thur.	Alcoholic Beverages – Beer*	14
2/13	Tues.	Cereals I	5	4/10	Tues.	Alcoholic Beverages – Wine*	14
2/15	Thur.	Cereals II	5	4/12	Thur.	Latexes, Hydrogels, Resins *	10
2/20	Tues.	Exam I		4/17	Tues.	Fibers, Dyes, Tannins *	15
2/22	Thur.	Legumes	6	4/19	Thur.	Ornamental Plants (Field Trip) (Meet on Ag Campus, at gardens)	17
3/27	Tues.	Legumes, Foods – leaves	6,7	4/24	Tues.	Ornamental Plants	17
3/01	Thur.	Foods – stems, roots	7	4/26	Thurs.	Genetically Mod. Plants	1,19
				5/01	Tues.	no class, final exams	
				5/03	Thur.	FINAL EXAM , 8:00-10:00 a.m.	

*Time also allocated for student presentations

Grading:

Exam I (2/20)	50 pts	92%+ A
Exam II (4/03)	50 pts	90-91% A-
Project	50 pts	88-89% B+
Participation	50 pts	82-87% B
Final Exam (5/3)	100 pts	80-81% B-
Total	300 pts	78-79% C+
		70-77% C
		60-69% D
		0-59% F

Learning Objectives.

By the end of the course, you should be familiar with the major groups of plants that are used by people, with the temporal and geographical contexts in which they came to be used, with some of the impacts that they have had on human societies, and with the diversity of ways that people have used plants, including:

- As food sources;
- As a source of medicines and psychoactive substances;
- To produce alcoholic beverages;
- For miscellaneous substances that alter the texture or qualities of food;
- As a source of materials to make clothing and other objects, and to color things;
- To create gardens for esthetic pleasure.

You should also

- Gain a fuller understanding of how science is practiced
- Learn that science is a dynamic process rather than a static list of facts
- Appreciate the large role that science and scientific processes play in your life and society in general
- Further develop critical thinking skills
- Improve communication skills in reading, writing, and speaking (giving an oral presentation is part of the class)

Other course information

Disability Services: If you need course adaptations or accommodations because of a documented disability, please contact me privately to discuss your needs. If you have questions or concerns about disabilities or emergency information to share, please contact Disability Services: 2227 Dunford Hall; 974-6807; Email: ods@utk.edu; Website: <http://ods.utk.edu/>).

Counseling Center: <http://counselingcenter.utk.edu/>

900 Volunteer Boulevard, 865 974-2196, Email: counselingcenter@utk.edu

Academic Assistance:

Tutoring: The Division of Biology does not offer tutoring services. Contact the Student Success Center and the Academic Support Unit of The Office of Minority Student Affairs for information about tutoring opportunities.

- **Student Success Center:** The comprehensive source for information, services, and resources to assist your success at UT: <http://studentsuccess.tennessee.edu/studentssuccesscenter/>
 - 1817 Melrose Avenue, and 812 Volunteer Boulevard, 865 974-6641, Email: studentsuccess@utk.edu
- **Academic Support Unit of The Office of Minority Student Affairs** offers some tutoring services available to all students, but openings are limited and are filled quickly. The office offers other types of academic assistance and support as well: <http://omsa.utk.edu/services/>
 - 1800 Melrose Avenue, 865 974-6861, Email: omsa@utk.edu

University Policies:

Students are responsible for being fully acquainted and for complying with the University catalog, handbook, and other rules and policies relating to students. Failure or refusal to comply with the rules and policies established by the University may subject a student to disciplinary action up to and including permanent dismissal from the University.

ACADEMIC INTEGRITY IS THE CORE VALUE OF LEARNING COMMUNITIES

University of Tennessee Standard of Conduct #1: "Cheating, plagiarism, or any other act of academic dishonesty, including, but not limited to, an act in violation of the Honor Statement." You are expected to abide by The University of Tennessee honor statement in Biology 280 and in all of your university activities:

"An essential feature of The University of Tennessee is a commitment to maintaining an atmosphere of intellectual integrity and academic honesty. As a student of the University, I pledge that I will neither knowingly give nor receive any inappropriate assistance in academic work, thus affirming my own personal commitment to honor and integrity."

Penalties for academic dishonesty assessed by the instructor may range from the grade of zero for the assignment, to an F for the course. All infractions will be reported to the Office of Student Conduct and Community Standards, the Dean of the College of Arts and Sciences, and the Dean of the College in which the student is enrolled. The Office of Student Conduct and Community Standards may charge a student with violating Standard of Conduct #1 regardless of the response of the instructor to the alleged academic dishonesty. You should read and be familiar with the requisites of academic honesty and what constitutes academic dishonesty as outlined in the 2017-2018 Undergraduate Catalog and Hilltopics.