

**MEDICAL BOTANY  
SYLLABUS**

UCONN/Hartford

Fall 2013

**Instructor:** Dr. Felix G. Coe

Office Hours: Wednesday (W) 5:00–6:00 PM, Hart/Under-Grad-Room #207

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**Lecture:** W 6:30-9:00 PM, Hart/Under-Grad-Room #212**Textbook:** Lewis, W. H. and M. P. F. Elvin-Lewis. 2012. *Medical Botany*. 2<sup>nd</sup> Edition. Wiley, New York, NY.**Course Description:** Topics will include plants use by people for medicine; origin, history, biology, distribution, chemistry, pharmacology, toxicology, and role in the development of civilizations.**Course Objectives:** It is hoped that the student will develop a better understanding of plant/human interactions and the important role of plants to human health.**Attendance in Lecture:** Attendance to lecture is mandatory. Office hours *will not be used* to repeat lectures due to absence.**Course Policies:** To obtain notes of lecture missed for any unforeseen reason, will require my permission. Exams must be taken as scheduled.**Examinations and Grades:**

There will be four (4) scheduled lecture exams (they are not cumulative), each worth 100 points. The fourth lecture exam will be given during the time scheduled for the final exam.

- In Class Written Exams\*.....4 @ 100 Points each = 400 Points

- Review Paper (50 pts), (Due:4/17) & Review Paper Presentation<sup>†</sup> (50 pts), (Due:4/17) ..... @ 100 Points

Total Points = 500

**Grading:** Final grades will be assigned using the percent scale indicated below:

≥95 = A; 90-94 = A-; 88-89 = B+; 85-87 = B; 80-84 = B-; 78-79 = C+; 75-77 = C; 70-74 = C-; 68-69 = D+;

65-67 = D; 60-64 = D-; &lt;59 = F

**Tentative Exams Dates\*:**

Exam 1: Tu, February 7; Exam 2: Tu, March 20; Exam 3: Tu, April 10; Exam 4 (Final Exam): Tu, May 1 @ 6:30-8:30 P.M.

Note: You can calculate your grade by: (Course Points Earned/Total Possible Points) x (100)

\* = Please note: vacations, previously purchased tickets or reservations, weddings (unless part of the wedding party), and other large or small scale social events, are not viable excuses for missing a final exam. Please contact the Dean of Students office with any questions.

<sup>†</sup> = Presentation Requirements: Power Point; 15 minutes (10 minutes for talk & 5 minutes for questions).

**TENTATIVE LECTURE SCHEDULE\***  
**MEDICAL BOTANY**  
**EEB-XXXX**

Week	Day	Date	Lecture Topics	Module	Chapter
			<b>HISTORY &amp; INTRODUCTION</b>		
1	W	Jan. 17	History of Plants in Medicine and Healthcare; Plants & Drug Discovery	1,2	1
2	W	Jan. 24	Natural Products Chemistry: Role, Types & Syntheses of Major Medically Relevant Compounds (Alkaloids, Glycosides, Phenols, & Terpenes)	3	
	W		<b>INJURIOUS PLANTS</b>		
3	W		Internal Poisons; Allergy; Cell Modifiers: Mutagens, Teratogens, and Lectins	4,5,6	
4	W		<b>Exam-1</b> (2/7)		
			<b>REMEDIAL PLANTS</b>		
4			Plants Used in the Treatment of Cancer; Nervous System and Pain Relief	7,8	
5	W	Jan. 31	Plants Used for Heart and Circulatory System; Metabolism	9,10	
7	W		Special Sensory Organs: Eye & Ear; Plants Used for Oral Health & Hygiene	11,12	
8	W		<b>Exam-2</b> (3/20)		
8			Plants Used to Treat: Gastrointestinal Tract; Respiratory System ; Urogenital System	13,14,15	
9			<b>**Recess**</b> (Sunday, Mar.11-Saturday, Mar.17)		
10		Feb. 7	Plants Used to treat the Skin; Deterrents: Antibiotics, Antiseptics, and Pesticides; Panaceas	16,17,18	
11	W		<b>Exam-3</b> (4/10)		
			<b>PSYCHOACTIVE PLANTS</b>		
11	W		Stimulants; Hallucinogens; Depressants	19,20,21	
			<b>ALTERNATIVE &amp; COMPLIMENTARY MEDICINE</b>		
12	W		Herbal products in the Americas (USA, Mexico, Central & South America), Europe and Asia: Production, Standardization, and Quality Control; Research Ethics: Bioprospecting vs. Biopiracy; Importance of informed Consent	22,23	
12	W		Alternative Medicine and Dietary Supplements: Herbal Remedies, Aromatherapy; Efficacy & Safety Issues	24	
			<b>ETHNOMEDICAL SYSTEMS</b>		

13			Cultural Perspectives on Illness and Healing: Asian: Traditional Chinese Medicine; Ayurveda & Unani; African; European; Amerindian: North America (USA & Mexico); Central America; South American (Amazonian)	25	
			<b>STUDENT PRESENTATIONS</b>		
14	W	Feb. 21	Student Presentations		
15	W		Student Presentations		
16	W		<b>Exam-4</b> (Final Exam) @ 6:00-8:00 PM		

\*The schedules are *tentative* and subject to change due to weather conditions and other unforeseen circumstances as they may occur.

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