

# **IB 117 MEDICAL ETHNOBOTANY LECTURE**

**U. C., Berkeley, Department of Integrative Biology**  
**Instructor:TBD**

**READERS FOR THE LECTURE CAN BE PURCHASED at Krishna Copy Center, 2001 University Ave. Phone: 540-5959**

**Specific pages in REQUIRED IB 117 LECTURE READER correspond to each lecture in course.**

Students may take the lecture course (IB 117) alone for two credits, the lab course (IB 117L) course alone for two credits, or both the lecture and the lab for a total of four credits. No course prerequisites are required for either the lecture or the lab.

## **IB 117 MEDICAL ETHNOBOTANY LECTURE COURSE**

Biological diversity and ethnolinguistic diversity sustain traditional botanical medicine systems of the world. Major topics covered in this course include: ethnolinguistic origins of medicinal plant knowledge on plant-derived pharmaceuticals and phytomedicines; field research methods in ethnobotany and ethnopharmacology; examples of how traditional botanical medicines provide safe, effective, affordable, and sustainable primary health care to tropical countries; human physiology, human diseases, and mechanisms of action of plant-derived drugs. There will be written midterm and final examinations.

**Lecture Midterm:** Wednesday, October 11<sup>th</sup>, 1:00–2:00 PM in 100 Lewis (45% of grade)

**Lecture Final:** Tuesday, December 12<sup>th</sup> starting at 8:00 AM (55% of grade)

## **IB 117 Lecture Syllabus**

**Lectures 1:00 – 2:00 PM on Monday & Wednesday in 100 Lewis**

**IB 117 Lecture Reader available at Krishna Copy Center at 2001 University Ave.  
Phone: 540-5959.**

**Specific pages in LECTURE READER correspond to each lecture in course. This reader is REQUIRED for the LECTURE IB 117 course.**

**PAGES LISTED IN PARENTHESES FOR EACH TOPIC ARE THE REQUIRED PAGES IN THE READER**

**Topic # 1: Overview of Medical Ethnobotany & Ethnopharmacology (pp. 1-44, 48-53)**

**Topic # 2: Autonomic Nervous System/Sensory Motor System & Phytomedicines (pp. 72-73, 77, 78, 80-163)**

**Topic #3: Human CNS System, Stimulants, Hallucinogens, Sedatives, Analgesics & Phytomedicines (pp. 164-255)**

**Topic #4: Peripheral Pain, Inflammation, Dermatology (pp. 256-291)**

**Topic #5: Endocrine System & Phytomedicines (pp. 292, 295-315)**

**Topic #6: Type 2 Diabetes mellitus, taste buds & Phytomedicines (pp. 316-335)**

**Topic #7: Cardiovascular System & Phytomedicines Cardiovascular Disease, Lipids & Phytomedicines #1 (pp. 336, 340, 342-343, 346-385)**

**Topic #8: Cancer, Immune System & Phytomedicines (pp. 386, 389, 391-414)**

**Topic #9: Infectious Diseases, & Phytomedicines (pp. 415-438)**

**Topic #10: Respiratory System & Phytomedicines; (pp. 439, 440, 443-457)**

**Topic #11: Human Gastrointestinal & Phytomedicines; (pp. 458-459, 462, 471-503)**

## **IB 117 (Medical Ethnobotany) Lecture Reader Content for Fall 2017**

Pages 1-44: Introduction to Medical Ethnobotany PPT slides  
Pages 45-71: Ethnobotany articles and graphs  
Pages 72-100: Nervous system physiology, diagrams & graphs  
Pages 101-103: Tables for peripheral nervous system  
Pages 104-129: Peripheral nervous system, parasympathetic PPT slides  
Pages 130-145: Peripheral nervous system, nicotinic/ganglionic & neuromuscular blockers PPT slides  
Pages 146-163: Peripheral nervous system, sympathetic PPT slides  
Pages 164-165: Central nervous system physiology  
Pages 166-179: Tables for central nervous system  
Pages 180-255: Central nervous system PPT slides  
Pages 256-261: Tables for peripheral pain, inflammation & dermatology  
Pages 262-291: Peripheral pain/inflammation, dermatology PPT slides  
Pages 292-300: Endocrine system physiology  
Page 301: Table for endocrine system  
Pages 302-315: Endocrine PPT slides  
Page 316: Table for type 2 diabetes mellitus  
Pages 317-334: Diabetes mellitus PPT slides  
Pages 335: Table for taste buds  
Pages 336-350: Cardiovascular physiology  
Pages 351-354: Tables for cardiovascular system  
Pages 355-385: Cardiovascular PPT slides  
Pages 386-392: Cancer, lymph system physiology  
Page 393: Table for cancer system  
Pages 394-414: Cancer PPT slides  
Pages 415-417: Tables for infectious disease system  
Pages 418-438: Infectious disease PPT slides  
Pages 439-442: Respiratory physiology  
Pages 443-444: Tables for respiratory system  
Pages 445-457: Respiratory PPT slides  
Pages 458-473: Gastrointestinal physiology  
Pages 474-476: Tables for gastrointestinal system  
Pages 477-503: Gastrointestinal PPT slides  
Pages 504-511: Medical terminology