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 11th, 1:00–2:00 PM in 100 Lewis (45% of grade)

Lecture Final: Tuesday, December 12th 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