

MICROBIOLOGY 4700/6700 MEDICAL MYCOLOGY
 Spring 2009 Tu., Th. 2:00 PM - 3:15 PM
 UGA Wilson College of Pharmacy Building, Room 149
 R. Alan Langford, MD, FAAD, Dip.ID.

Th. Jan. 8 Tu. Jan. 13	Orientation Perspective: Clinicians & Biolife Scientists
Th. Jan. 15 Tu. Jan. 20 Th. Jan. 22 Tu. Jan. 27	Overview of Fungi/Fungal Diseases (Text Chapter 1) Epidemiology of Fungal Diseases Laboratory Diagnosis of Fungal Diseases (Text Chapter 2) Histopathology of Human Mycoses
Th. Jan. 29 Tu. Feb. 3 Th. Feb. 5	Zygomycetes (Ch. 13, 19) Zygomycosis TEST I
Tu. Feb. 10 Th. Feb. 12	Selected Ascomycetes: <i>Aspergillus</i> , <i>Scopulariopsis</i> , <i>Penicillium</i> <i>Paecilomyces</i> , and others inc. some Deuteromycetes (Ch. 10, 25)
Tu. Feb. 17 Th. Feb. 19 Tu. Feb. 24	Mycotoxins Basidiomycota: selected examples Mushroom Poisoning
Th. Feb. 26 Tu. Mar. 3 Th. Mar. 5	Antifungal Drugs (Ch. 3) Antifungal Drugs TEST II
Mar. 9 –13	SPRING BREAK
Tu. Mar. 17 Th. Mar. 19 Tu. Mar. 24	Yeasts (Ch. 5, 27) Dermatophyte Fungi (Ch. 4, 7) Superficial Mycoses (Ch. 6)
Th. Mar. 26	Dematiaceous Fungi (Ch. 18, 26)
Tu. Mar. 31 Th. Apr. 2 Tu. Apr. 7 Th. Apr. 9	Mycetomas (Ch. 21) Subcutaneous Mycoses (Ch. 22, 23, 24, 20) TEST III Systemic (Deep) Mycoses (Ch. 11, 12, 13, 14, 15, 16, 17)
Tu. Apr. 14 Th. Apr. 16 Tu. Apr. 21	Sporotrichosis, Cryptococcosis, Blastomycosis, Coccidiomycosis, Histoplasmosis TEST IV DUE TODAY, APRIL 21
Th. Apr. 23 Tu. Apr. 28 Th. Apr. 30 Tu. May 5	<i>Pneumocystis</i> , <i>Prototheca</i> , Actinomycetes (filamentous bacteria) Last Lecture for MIBO 4700 TERM PAPERS DUE APRIL 28 (slide under door of Room 268 Pharmacy) UGA operating on Monday class schedule COMPREHENSIVE FINAL EXAM - 3:30pm – 6:30pm

UGA Microbiology 4700/6700 Medical Mycology
Spring 2009 Semester
Alan Langford, M.D.

- Lecture:** Tu., Th. (2:00 PM – 3:15 PM) Rm 149, Wilson College of Pharmacy Building
- Prerequisite:** MIBO 3500 (In addition, the instructor readily grants enrollment permission to those who have completed MIBO 2500 or MIBO 3000 or PHRM 4180. Those students can seek permission to register with Ms. Nancy Perkins, Room 527, Microbiology Department, in BioSciences Building, with evidence of having completed one of these courses.)
- Instructor:** Alan Langford, M.D.
Offices: 207 Memorial Hall (542-0444) or
268 Pharmacy (542-5338) (Voice Mail)
Email: alangfor@uga.edu

UGA Catalog Course Description:

A survey of yeasts, molds, and Actinomycetes most likely encountered by a medical mycologist in a diagnostic laboratory with special emphasis on the organisms pathogenic for man.

Dr. Langford's Description:

This is a course on human fungal diseases and their corresponding organisms. Emphasis will be on recognition and identification of pathogens, disease presentations, and an introduction to mycological disease, diagnosis, and treatment in patients. An overview of the filamentous "higher" bacteria (Actinomycetes) will be covered, as per tradition. This is not a course on mycological physiology, metabolism, genetics, or molecular medicine. The content will be similar to that in many 2nd year medical school courses. Studies of patient case histories will be used. Students accepted to medical schools often use this course as a transition to medical studies. "Host vs. Pathogen" concepts as virulence mechanisms, evasion of host immune defense "strategies" are emphasized.

The textbook is quite useful and course packet* is most necessary for success!!! (Also note list of internet websites/URL's: premed.uga.edu/4700.htm.)

***Course packet/handouts:**

Available at Bel-Jeans downtown near the UGA Arch

Text: *Fungal Infection: Diagnosis and Management* by Richardson & Warnock, Blackwell (2nd, 3rd, or later edition).

Class Attendance Policy: Students are expected to attend class regularly. Excessive absences may well result in dismissal at the discretion of Dr. Langford. Missing a test or an exam results in a "make-up" oral or timely written essay examination (not Scantron® graded). Timely and valid excuses/reasons must be provided. Prior notice of absence when possible to faculty is expected. Unexcused absence for tests and final exam will result in a zero. It is quite difficult to do well on tests and exams without attending class, listening well, and efficiently taking notes for later study. Students who miss class should not ask the instructor to repeat the lecture, but have discussion with a trusted reliable classmate. Class questions during lectures are encouraged!

Tests:

There are four major tests plus a comprehensive final exam (on dates listed) and each is weighed equally (Scantron® grading). Cheating on tests, exams, and papers is not tolerated whatsoever!

Note: Tests II and III and Final Exam will cover material from any prior lecture/readings.

*Test IV is a “take home,” open-book, but NOT an “open-person” exam. Students are NOT to collaborate with (or consult with) other humans, which would create an Academic Dishonesty Violation. It consists of six sections, each based on one of six review articles on material included in Sections III & IV. Four of the six should help in study for Test III. The other helps with Test IV/Final Exam. Articles and the six exam question sections are included in the student course packet. Students must obtain Scantron® answer sheets for machine grading. Students may keep the reference articles, but must turn in the six test question sections with their answer sheet. Failure to do so will result in “zero” on the exam.

All academic work must meet the standards contained in “A Culture of Honesty.” Students are responsible for informing themselves about those standards before performing any academic work. The link to more detailed information about academic honesty can be found at:

<http://www.uga.edu/ovpi/honesty/acadhon.htm>.

MIBO 6700 and Honors Option Students: Extra written paper required. Discuss with Dr. Langford early in semester. Other students may produce papers, in effort to raise average (one sixth of final grade). Papers should be of reasonable font, 8-10 pages (typed and double-spaced) with bibliography listed with 8 to 10 valid journal articles (one or two texts acceptable). A “perfect” well-done review article grade will “max-out” at 95%. To earn a 95-100 grade requires a significant answered premise (with valid conclusion and comments on “what next?”). “Due date” for submission is listed on course calendar. Honors/extra credit term paper is equal “in weight” to a single test.

GRADES:

A	=	93.00 to 100
A -	=	89.00 to 92.99
B+	=	86.00 to 88.99
B	=	83.00 to 85.99
B -	=	79.00 to 82.99
C +	=	76.00 to 78.99
C	=	73.00 to 75.99
C -	=	69.50 to 72.99
D	=	59.50 to 69.49
F	=	00.00 to 59.49

Answers to test questions for TESTS I, II, III will be discussed in class. Learning of facts and concepts is encouraged. Asking for “2nd-best answer or half-credit” individually to generate grade of, for example ‘96’ rather than, ‘95’ is not. Students who wish to ‘appeal’ an answer for specific question(s) should keep a personal log (“diary”) with date and points for discussion in the event that the original overall grade calculated results in an ‘82.40’, for example, and a grade of ‘B’, rather than ‘B-’, might be reasonable, upon, review of the student ‘log’ (i.e., when it “really matters”).

The course syllabus is a general plan for the course; deviations announced to the class by the instructor may be necessary. Students are responsible for announcements made in class.