

# Medical Mycology 3311-001

## Summer 2015

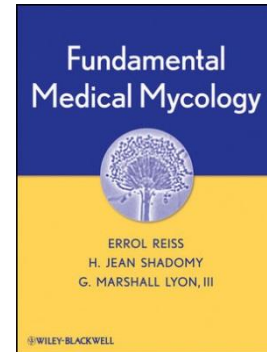
**Name:** Dr. Michael Roner

**Office Number:** Room 330 ERB

**Office Telephone Number:** 817-272-1302

**Email Address:** roner@uta.edu

**Course Number, Section Number, and Course Title:** Biol  
3311-001 Medical Mycology



**Description of Course Content:** To provide information on the pathology, symptomatology, treatment, and prognosis of fungal diseases in humans. Numerous medically important fungi will be described and illustrated in sufficient detail so that students can identify them.

**Student Learning Outcomes:** The goal of this course is to prepare students for professional careers that employ the principles of medical mycology. This will be accomplished through the mastery of the following specific objectives:

- Discover how other disciplines contributed to the study of mycotic diseases;
- Recognize the etiology of different mycoses;
- Learn the fundamental basis for diagnosing fungal infections;
- Differentiate the different pathologies of the mycoses;
- Identify environmental and host factors that promote fungal infections;
- Comprehend the various treatment regimens for the mycoses;
- Appreciate the role of fungi in human affairs;
- Recognize the importance of proper public dissemination of information; and
- Understand the contributions of fungi to current concepts in infectious disease

**Assessment of Student learning outcomes may include;**

- Performance on multiple choice examination questions
- Performance on short answer essay questions included on each examination
- Performance on take home examinations

**Reference Textbook Only and Other Course Materials:**

**Fundamental Medical Mycology**

Errol Reiss, H. Jean Shadomy, G. Marshall Lyon

ISBN: 978-0-470-17791-4

Hardcover

656 pages

November 2011, Wiley-Blackwell

**Descriptions of major assignments and examinations with due dates:** Exams are scheduled for the following dates:

**Grading Policy:** Final course grades will be based on 2 exams spread across the semester, **or** the final exam. Grades will be calculated as follows: if you have taken Exams 1 and 2 and are satisfied with your grade, you do not need to take the comprehensive final exam. If you elect to take the final exam, your grade on the final exam or your grade on the first two (2) exams, whichever is greater, will be the grade you earn for this course. The optional final exam gives a student an opportunity to "redeem" a poor exam 1 or 2 performance, or "replace" an unexcused missed exam. Please remember the final exam is **COMPREHENSIVE** and requires significantly more effort than the two (2) regular exams! Students are encouraged to study and complete the two exams during the regular course period and not depend on the final exam.

**Attendance Policy:** Students are strongly encouraged to attend **all** lectures. **Students may audio-tape the lectures.**

**Drop Policy:** As per University policy.

### **Important University Policies:**

**Americans with Disabilities Act:** The university of Texas at Arlington is on record as being committed to both the spirit and letter of federal equal opportunity legislation: reference Public Law 93112--The Rehabilitation "Act of 1973 as amended. With the passage of new federal legislation entitled Americans with Disabilities Act - (ADA), pursuant to section 504 of the Rehabilitation Act, there is renewed focus on providing this population with the same opportunities enjoyed by all citizens.

As a faculty member, I am required by law to provide "reasonable accommodation" to students with disabilities, so as not to discriminate on the basis of that disability. Student responsibility primarily rests with informing faculty at the beginning of the semester and in providing authorized documentation through designated administrative channels.

**Academic Integrity:** It is the philosophy of The University of Texas at Arlington that academic dishonesty is a completely unacceptable mode of conduct and will not be tolerated in any form. All persons involved in academic dishonesty will be disciplined in accordance with University regulations and procedures. Discipline may include suspension or expulsion from the University.

"Scholastic dishonesty includes but is not limited to cheating, plagiarism, collusion, the submission for credit of any work or materials that are attributable in whole or in part to

another person, taking an examination for another person, any act designed to give unfair advantage to a student or the attempt to commit such acts."

**Student Support Services:** The University supports a variety of student success programs to help you connect with the University and academic success. They include learning assistance, development education, advising and mentoring, admission and transition, and federally funded programs. Students requiring assistance academically, personally, or socially should contact the Office of Student Success Programs at 817-272-6107 for more information and appropriate referrals.

**Drop for non-payment of tuition:** **Drop for non-payment of tuition:** Payment must be received by the term due date of May 17, 2010 or your registration will be cancelled. If your registration is cancelled for non-payment, you may reregister for classes but only if seats are available.

If you are dropped from this class for non-payment of tuition, you may secure an Enrollment Loan through the Bursar's Office. You may not continue to attend class until your Enrollment Loan has been applied to outstanding tuition fees.

**Bomb Threats:** If anyone is tempted to call in a bomb threat, be aware that UTA will attempt to trace the phone call and prosecute all responsible parties. Every effort will be made to avoid cancellation of presentations/tests caused by bomb threats. Unannounced alternate sites will be available for these classes. Your instructor will make you aware of alternate class sites in the event that your classroom is not available

**After Hours Safety Escort:** The Sam Mav Escort service provides a service to assist students, faculty, staff and campus visitors to reach their destinations after regular business hours. The hours of service are 7:00 p.m. to 1:00 a.m., Sunday through Saturday. 817-272-3381

**MAVMAIL:** Arlington has adopted MavMail (e-mail) as an official means of communication with students. Students are required to check MavMail regularly. Further information regarding your student email account can be found at: <http://www.uta.edu/oit/email/>

**Make-up Exam Policy:** Make-up exams will be allowed only in extreme circumstances. You should have a doctor's note in case of illness. Notify me (by email, phone, note etc. AS SOON AS you are aware of a problem.

**Grade Grievance Policy:** As per University policy as outlined in the current student catalog.

**Dropping a Course:** If you decide to drop this course (or any other, for that matter) you must obtain a drop slip from the departmental undergraduate advisors office (for Biology, the advisor is Ms. Jane Pugh, Room 346 Life Science or you may go to the

main office in the Biology Department 337 Life Science). Please fill it out, have the instructor of the course you wish to drop sign the slip and return it to the advisor's office or the Biology Office.

### **Tentative Lecture Schedule**

<b>June 6</b>	General Mycology
<b>June 7</b>	Aspergillosis
<b>June 8</b>	Blastomycosis
<b>June 9</b>	Candidiasis
<b>June 13</b>	Chromoblastomycosis
<b>June 14</b>	Coccidioidomycosis
<b>June 15</b>	Cryptococcosis
<b>June 16</b>	Dermatophytosis
<b>June 20</b>	<b>Exam 1</b>
<b>June 21</b>	Histoplasmosis
<b>June 22</b>	Lobomycosis
<b>June 23</b>	Malassezia infections
<b>June 27</b>	Mycetoma
<b>June 28</b>	Mycotic Keratitis/Paracoccidioidomycoses
<b>June 29</b>	<i>Penicillium marneffe</i> i infection/ Phaeohyphomycosis
<b>June 30</b>	Pseudallescheriasis and <i>Scedosporium</i> / Rhinosporidiosis
<b>July 5</b>	Sporotrichosis/ Tinea nigra
<b>July 6</b>	Systemic/ Subcutaneous
<b>July 7</b>	<b>Exam 2</b>
<b>July 11</b>	<b>Final Exam</b>

### **Grading**

#### **Option 1**

2 exams 50 points each

100 points

Grade based on 100 points

#### **Option 2**

Final exam

75 points

Final grade based on 75 points

### **FINAL GRADES WILL BE ASSIGNED AS FOLLOWS:**

<b>100%</b>	<b>-</b>	<b>89.51%</b>	<b>A</b>
<b>89.50%</b>	<b>-</b>	<b>79.51%</b>	<b>B</b>
<b>79.50%</b>	<b>-</b>	<b>69.51%</b>	<b>C</b>
<b>69.50%</b>	<b>-</b>	<b>59.51%</b>	<b>D</b>
<b>&lt;59.50%</b>			<b>F</b>

1. General Mycology
  - a. Zygomycota
  - b. Basidiomycota
  - c. Ascomycota
2. Aspergillosis
3. Blastomycosis
4. Candidiasis
5. Chromoblastomycosis
6. Coccidioidomycosis
7. Cryptococcosis
8. Dermatophytosis
  - a. Dermatophytosis
  - b. E.floccosum
  - c. M.audouinii
  - d. M.canis
  - e. M.ferrugineum
  - f. M.gypseum
  - g. M.nanum
  - h. T.concentricum
  - i. T.equinum
  - j. T.interdigitale
  - k. T.mentagrophytes
  - l. T.quinckeanum
  - m. T.rubrum
  - n. T.schoenleinii
  - o. T.soudanense
  - p. T.tonsurans
  - q. T.verrucosum
  - r. T.violaceum
9. Histoplasmosis
10. Lobomycosis
11. Malassezia infections
12. Mycetoma
13. Mycotic Keratitis
14. Paracoccidioidomycoses
15. *Penicillium marneffe* infection
16. Phaeohyphomycosis
17. Pseudallescheriasis and *Scedosporium*
18. Rhinosporidiosis
19. Sporotrichosis
20. Tinea nigra
21. Subcutaneous
22. Systemic