

# Medical Mycology 3311-001

## Summer 2017

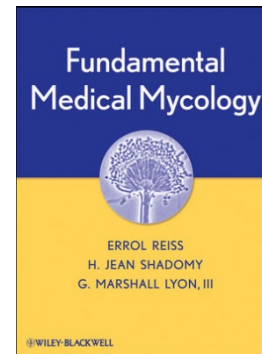
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**Course Number, Section Number, and Course Title:** Biol  
3311-001 Medical Mycology



**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:** At The University of Texas at Arlington, taking attendance is not required but attendance is a critical indicator in student success. Each faculty member is free to develop his or her own methods of evaluating students' academic performance, which includes establishing course-specific policies on attendance. As the instructor of this section, **I strongly encourage students to attend all lectures. I allow students to attend class at their own discretion.** However, while UT Arlington does not require instructors to take attendance in their courses, the U.S. Department of Education requires that the University have a mechanism in place to mark when Federal Student Aid recipients "begin attendance in a course." UT Arlington instructors will report when students begin attendance in a course as part of the final grading process. Specifically, when assigning a student a grade of F, faculty report the last date a student attended their class based on evidence such as a test, participation in a class project or presentation, or an engagement online via Blackboard. This date is reported to the Department of Education for federal financial aid recipients.

**Make-up Exams:** **Make-up exams will be allowed only in extreme circumstances at the discretion of the Instructor.** 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, prior to the exam. Missed exams will receive a score/grade of zero "0".**

**Expectations for Out-of-Class Study:** Beyond the time required to attend each class meeting, students enrolled in this course should expect to spend at least an additional **9** hours per week of their own time in course-related activities, including reading required materials, completing assignments, preparing for each new lecture at least the day before the lecture.

**Grade Grievances:** Any appeal of a grade in this course must follow the procedures and deadlines for grade-related grievances as published in the current undergraduate / graduate catalog. For undergraduate courses, see For undergraduate courses, see

<http://catalog.uta.edu/academicregulations/grades/#undergraduatetext>; for graduate courses, see <http://catalog.uta.edu/academicregulations/grades/#graduatetext>.

**Drop Policy:** Students may drop or swap (adding and dropping a class concurrently) classes through self-service in MyMav from the beginning of the registration period through the late registration period. After the late registration period, students must see their academic advisor to drop a class or withdraw. Undeclared students must see an advisor in the University Advising Center. Drops can continue through a point two-thirds of the way through the term or session. It is the student's responsibility to officially withdraw if they do not plan to attend after registering. **Students will not be automatically dropped for non-attendance.** Repayment of certain types of financial aid administered through the University may be required as the result of dropping classes or withdrawing. For more information, contact the Office of Financial Aid and Scholarships (<http://wweb.uta.edu/aao/fao/>).

**Disability Accommodations:** UT Arlington is on record as being committed to both the spirit and letter of all federal equal opportunity legislation, including *The Americans with Disabilities Act (ADA)*, *The Americans with Disabilities Amendments Act (ADAAA)*, and *Section 504 of the Rehabilitation Act*. All instructors at UT Arlington are required by law to provide “reasonable accommodations” to students with disabilities, so as not to discriminate on the basis of disability. Students are responsible for providing the instructor with official notification in the form of a letter certified by the **Office for Students with Disabilities (OSD)**. Students experiencing a range of conditions (Physical, Learning, Chronic Health, Mental Health, and Sensory) that may cause diminished academic performance or other barriers to learning may seek services and/or accommodations by contacting:

**The Office for Students with Disabilities, (OSD)** [www.uta.edu/disability](http://www.uta.edu/disability) or calling 817-272-3364. Information regarding diagnostic criteria and policies for obtaining disability-based academic accommodations can be found at [www.uta.edu/disability](http://www.uta.edu/disability).

**Counseling and Psychological Services, (CAPS)** [www.uta.edu/caps/](http://www.uta.edu/caps/) or calling 817-272-3671 is also available to all students to help increase their understanding of personal issues, address mental and behavioral health problems and make positive changes in their lives.

**Non-Discrimination Policy:** *The University of Texas at Arlington does not discriminate on the basis of race, color, national origin, religion, age, gender, sexual orientation, disabilities, genetic information, and/or veteran status in its educational programs or activities it operates. For more information, visit [uta.edu/eos](http://uta.edu/eos).*

**Title IX Policy:** The University of Texas at Arlington (“University”) is committed to maintaining a learning and working environment that is free from discrimination based on sex in accordance with Title IX of the Higher Education Amendments of 1972 (Title IX), which prohibits discrimination on the basis of sex in educational programs or

activities; Title VII of the Civil Rights Act of 1964 (Title VII), which prohibits sex discrimination in employment; and the Campus Sexual Violence Elimination Act (SaVE Act). Sexual misconduct is a form of sex discrimination and will not be tolerated. For information regarding Title IX, visit [www.uta.edu/titleIX](http://www.uta.edu/titleIX) or contact Ms. Jean Hood, Vice President and Title IX Coordinator at (817) 272-7091 or [jmhood@uta.edu](mailto:jmhood@uta.edu).

**Academic Integrity:** Students enrolled all UT Arlington courses are expected to adhere to the UT Arlington Honor Code:

*I pledge, on my honor, to uphold UT Arlington's tradition of academic integrity, a tradition that values hard work and honest effort in the pursuit of academic excellence.*

*I promise that I will submit only work that I personally create or contribute to group collaborations, and I will appropriately reference any work from other sources. I will follow the highest standards of integrity and uphold the spirit of the Honor Code.*

UT Arlington faculty members may employ the Honor Code in their courses by having students acknowledge the honor code as part of an examination or requiring students to incorporate the honor code into any work submitted. Per UT System *Regents' Rule* 50101, §2.2, suspected violations of university's standards for academic integrity (including the Honor Code) will be referred to the Office of Student Conduct. Violators will be disciplined in accordance with University policy, which may result in the student's suspension or expulsion from the University. Additional information is available at <https://www.uta.edu/conduct/>.

**Students caught cheating and/or violating the Honor Code for an individual exam will have the exam confiscated and will receive a score/grade of zero "0" for that exam.**

**Electronic Communication:** UT Arlington has adopted MavMail as its official means to communicate with students about important deadlines and events, as well as to transact university-related business regarding financial aid, tuition, grades, graduation, etc. All students are assigned a MavMail account and are responsible for checking the inbox regularly. There is no additional charge to students for using this account, which remains active even after graduation. Information about activating and using MavMail is available at <http://www.uta.edu/oit/cs/email/mavmail.php>.

**Campus Carry:** Effective August 1, 2016, the Campus Carry law (Senate Bill 11) allows those licensed individuals to carry a concealed handgun in buildings on public university campuses, except in locations the University establishes as prohibited. Under the new law, openly carrying handguns is not allowed on college campuses. For more information, visit <http://www.uta.edu/news/info/campus-carry/>

**Student Feedback Survey:** At the end of each term, students enrolled in face-to-face and online classes categorized as “lecture,” “seminar,” or “laboratory” are directed to complete an online Student Feedback Survey (SFS). Instructions on how to access the SFS for this course will be sent directly to each student through MavMail approximately 10 days before the end of the term. Each student’s feedback via the SFS database is aggregated with that of other students enrolled in the course. Students’ anonymity will be protected to the extent that the law allows. UT Arlington’s effort to solicit, gather, tabulate, and publish student feedback is required by state law and aggregate results are posted online. Data from SFS is also used for faculty and program evaluations. For more information, visit <http://www.uta.edu/sfs>.

**Final Review Week:** for semester-long courses, a period of five class days prior to the first day of final examinations in the long sessions shall be designated as Final Review Week. The purpose of this week is to allow students sufficient time to prepare for final examinations. During this week, there shall be no scheduled activities such as required field trips or performances; and no instructor shall assign any themes, research problems or exercises of similar scope that have a completion date during or following this week *unless specified in the class syllabus*. During Final Review Week, an instructor shall not give any examinations constituting 10% or more of the final grade, except makeup tests and laboratory examinations. In addition, no instructor shall give any portion of the final examination during Final Review Week. During this week, classes are held as scheduled. In addition, instructors are not required to limit content to topics that have been previously covered; they may introduce new concepts as appropriate.

**Emergency Exit Procedures:** Should we experience an emergency event that requires us to vacate the building, students should exit the room and move toward the nearest exit, which is located at the nearest end of the hallway, to the right, as one exits the classroom. When exiting the building during an emergency, one should never take an elevator but should use the stairwells. Faculty members and instructional staff will assist students in selecting the safest route for evacuation and will make arrangements to assist individuals with disabilities.

**Student Support Services:** UT Arlington provides a variety of resources and programs designed to help students develop academic skills, deal with personal situations, and better understand concepts and information related to their courses. Resources include tutoring, major-based learning centers, developmental education, advising and mentoring, personal counseling, and federally funded programs. For individualized referrals, students may visit the reception desk at University College (Ransom Hall), call the Maverick Resource Hotline at 817-272-6107, send a message to [resources@uta.edu](mailto:resources@uta.edu), or view the information at <http://www.uta.edu/universitycollege/resources/index.php>.

**The IDEAS Center** (2<sup>nd</sup> Floor of Central Library) offers **free** tutoring to all students with a focus on transfer students, sophomores, veterans and others undergoing a transition

to UT Arlington. To schedule an appointment with a peer tutor or mentor email [IDEAS@uta.edu](mailto:IDEAS@uta.edu) or call (817) 272-6593.

**The English Writing Center (411LIBR):** The Writing Center Offers free tutoring in 20-, 40-, or 60-minute face-to-face and online sessions to all UTA students on any phase of their UTA coursework. Our hours are 9 am to 8 pm Mon.-Thurs., 9 am-3 pm Fri. and Noon-6 pm Sat. and Sun. Register and make appointments online at <http://uta.mywconline.com>. Classroom Visits, workshops, and specialized services for graduate students are also available. Please see [www.uta.edu/owl](http://www.uta.edu/owl) for detailed information on all our programs and services.

The Library's 2<sup>nd</sup> floor Academic Plaza offers students a central hub of support services, including IDEAS Center, University Advising Services, Transfer UTA and various college/school advising hours. Services are available during the library's hours of operation. <http://library.uta.edu/academic-plaza>

### **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

## Tentative Lecture Schedule

<b>June 5</b>	General Mycology
<b>June 6</b>	Aspergillosis
<b>June 7</b>	Blastomycosis
<b>June 8</b>	Candidiasis
<b>June 12</b>	Chromoblastomycosis
<b>June 13</b>	Coccidioidomycosis
<b>June 14</b>	Cryptococcosis
<b>June 15</b>	Dermatophytosis
<b>June 19</b>	<b>Exam 1</b>
<b>June 20</b>	Histoplasmosis
<b>June 21</b>	Lobomycosis
<b>June 22</b>	Malassezia infections
<b>June 26</b>	Mycetoma
<b>June 27</b>	Mycotic Keratitis
<b>June 28</b>	Paracoccidioidomycoses/ <i>Penicillium marneffe</i>
<b>June 29</b>	Phaeohyphomycosis/ Pseudallescheriasis
<b>July 3</b>	<i>Scedosporium</i> / Rhinosporidiosis
<b>July 5</b>	Sporotrichosis/ Tinea nigra/ Systemic/ Subcutaneous
<b>July 6</b>	<b>Exam 2</b>
<b>July 10</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>89.51%</b>	<b>A</b>
<b>89.50%</b>	-	<b>79.51%</b>	<b>B</b>
<b>79.50%</b>	-	<b>69.51%</b>	<b>C</b>
<b>69.50%</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*i infection
16. Phaeohyphomycosis
17. Pseudallescheriasis and *Scedosporium*
18. Rhinosporidiosis
19. Sporotrichosis
20. Tinea nigra
21. Subcutaneous
22. Systemic