

# Immunobiology 3312-001/5309-001

**May 12-17 MTuWThFSa 8-11:45 AM LS 120**

**May 19-23 MTuWThF 8-11:45 AM LS 120**

**May 30 8-10 AM LS 120 Final Exam**



**Name:** Dr. Michael Roner

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**Course Number, Section Number, and Course Title:** Biol 3312-001  
Immunobiology, Biol 5309-001 Immunology

## **Time and Place of Class Meetings:**

**May 12-17 MTuWThFSa 8-11:45 AM LS 120**

**May 19-23 MTuWThF 8-11:45 AM LS 120**

**May 30 8-10 AM LS 120 Final Exam**

**Description of Course Content:** Understanding the immune response, cellular and humoral immunity, effector mechanisms, immune system in health and disease.

**Student Learning Outcomes:** This course is designed to acquaint students with fundamental cellular processes involved in the generation of an immune response. It will provide students with detailed knowledge of the cells and organs of the immune system, their organization and diversity, and their specialized functions at different anatomical locations. The importance of immune cell receptors and cytokines in cellular interactions and co-ordination of immunological mechanisms is also emphasized.

The intended **learning outcomes** are as follows. By the end of the course students should have a knowledge of;

- The concepts of natural and acquired immunity and their roles and interaction in immune responses
- The functions and properties of different cell types and organs that comprise the immune system
- The processes involved in immune cell development

- The assembly and expression of antigen receptor molecules during lymphocyte development
- Cellular interactions and activation of immune cells in response to foreign antigen and/or “danger signals” and cytokines
- Immune memory and tolerance

**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

**Required Textbooks and Other Course Materials:**

- Basic Immunology Functions and Disorders of the Immune System. Third edition. By Abbas and Lichtman ISBN-10: 1-4160-4688-7

**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 20, 2008 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>May 12</b>	<b>Chapter 1</b>
<b>May 13</b>	<b>Chapter 2-3</b>
<b>May 14</b>	<b>Chapter 4</b>
<b>May 15</b>	<b>Chapter 5</b>
<b>May 16</b>	<b>Chapter 6</b>
<b>May 17</b>	<b>Exam 1</b>
<b>May 19</b>	<b>Chapter 7-8</b>
<b>May 20</b>	<b>Chapter 8-9</b>
<b>May 21</b>	<b>Chapter 9-10</b>
<b>May 22</b>	<b>Chapter 11-12</b>
<b>May 23</b>	<b>Exam 2</b>
<b>May 30</b>	<b>Final Exam</b>

### **Undergraduate student grading**

#### **Option 1**

2 exams 50 points each  
Grade based on 100 points

100 points

#### **Option 2**

Final exam  
Final grade based on 75 points

75 points

### **Graduate student grading**

#### **Option 1**

2 exams 50 points each  
1 take home exam  
Grade based on 50 points

100 points  
50 points

#### **Option 2**

Final exam  
1 take home exam  
Final grade based on 125 points

75 points  
50 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>