BSC 420 01E-Immunology
Syllabus

Spring 2026   **Hyun-Joo Nam, Ph. D.** *she her*
East Texas A&M University   **Email: hyun-joo.nam@etamu.edu**
MWF 10:00-10:50 AM   **Office Location: NHS 331**
STC 123

Please e-mail me if you have a question. I will try to respond within 24 hours, except for weekends and holidays.

Office Hours: Thursdays 3:30-5:00 PM or by appointment.
I enjoy teaching and talking with you. If you have questions, drop by my office or join the Zoom session (link below) during office hours. If the time does not work for you, feel free to email me, and we can set up a time that does.
Office Hour Zoom link:
https://tamuc.zoom.us/j/7032367457?pwd=RkFQZmtkcm90emNnUGNDL0E0Sjg0UT09
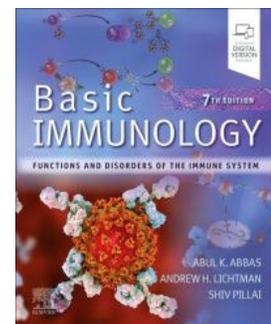Meeting ID: 703 236 7457
Passcode: OH

COURSE INFORMATION

Textbook(s) Required: BASIC IMMUNOLOGY 7th Edition by Abul K. Abbas & Andrew H. Lichtman & Shiv Pillai, 9780443105197
This book is available for purchase or rental at the TAMUC bookstore and can be bought or rented from various local and online retailers. Readings from the textbook will be announced and follow the course schedule's topic order. For you to get the most out of the lecture, it is important that you complete the assigned readings with each recorded lecture since lectures will build on the reading assignment.

Course Description

This course provides students with a deeper understanding of fundamental concepts in immunology. First, we will examine the molecular and cellular dynamics and principles of the

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immune system. We will cover topics such as the development of the immune system, humoral and cell-mediated responses. In the second half of the course, we will discuss diseases and treatments related to immunization, immunodeficiency, autoimmunity, and tumors.

Course Student Learning Objectives (SLO):
Upon completion of this course, you should be able to:

1. Describe the mechanism by which the immune system distinguishes between self and non-self.
2. Explain the distinct functions of the innate and adaptive immune systems and their collaborative effort against specific pathogens.
3. Describe how the immune system can respond to a wide range of antigens.
4. Outline the stages and checkpoints in lymphocyte maturation.
5. Clarify why and how certain immune cells alter their phenotype after activation.
6. Based on specific clinical disease symptoms or interventions, infer the potential immunological origins of the condition.

COURSE REQUIREMENTS

Minimal Technical Skills Needed

- Proficiency in using the D2L Brightspace Learning Management System in myLEOOnline

- Proficiency in using and access to Microsoft PowerPoint

Instructional Methods

This is a fully in-person course. It is very important to attend all the classes and lab sessions.

Student Responsibilities or Tips for Success in the Course

✓ <mark>**Checking both D2L and emails for course-related announcements.**</mark>
✓ Dedicated time to learn course materials.
✓ Have the required technology (a computer, a secure and reliable internet connection, and other requirements detailed in this syllabus – please read the "Technology Requirements" section.
✓ **Take exams on the exam days.**
✓ **Submitting the homework and the assignment before deadlines.**
✓ If special accommodation is needed, notify the instructor in advance.

Assessments:

There will be three types of assessments that will contribute to the grade. They are:

1. Graded Homework
Online homework assignments will be posted on the D2L course homepage in the form of "Quizzes". You may use course materials when taking the quizzes; this includes your textbook,

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lecture notes, and your handwritten notes. You are not allowed to 'google' or otherwise search the web for answers. You should not ask other students for the answers. These assignments are intended to help YOU learn the material. Send me an email if you are locked out or have other computer difficulties that prevent you from completing the assignments on time.

If your computer is having issues or your Wi-Fi is a problem, **remember that there are computers in the library and elsewhere on campus that you can use.** You will have several days to complete these assignments - do not wait until the last 10 minutes to do them!

Note: Graded homework will not be accepted after the Answer Keys have been posted or given out in class!

Non-graded reading assignment-Readings from the textbook will be announced and will follow the topic order in the course schedule. To get the most out of the lecture, it is important that you complete the assigned readings before coming to class since lectures will build on the reading assignment.

TIP: Homework problems often appear on exams, sometimes with only minor changes!

2. Assignment

The assignment should be submitted before the deadline. The assignment will be checked for plagiarism. Details will be discussed in class. **Due: April 21, 11:59 PM**

3. Exams
There will be five exams during the semester = **Exams 1-4** and the **Final Exam** on the Final Exam day. The exams are **closed-book, in-class, and proctored**. The Final Exam will be cumulative, and taking it is mandatory!   The lowest score you earn on **Exams 1-4** will be dropped. I recommend that you take ALL exams so you at least have the chance to practice answering questions on the material, even if you plan to drop that exam. Since you can drop one of Exams 1-4, there will be no make-up exams. The Final Exam may not be dropped.

EXAMS ARE SCHEDULED FOR THE FOLLOWING DATES

Assessment	Date/Time
Homework (9 total)	Various times
Exam 1	Feb. 6 (Fri) 10:00-10:50 AM
Exam 2	Mar. 6 (Fri) 10:00-10:50 AM
Exam 3	Apr. 1 (Wed) 10:00-10:50 AM
Assignment	Due Apr 21, 11:59 PM
Exam 4	Apr 27 (Mon) 10:00-11:15 AM
Final Exam	May 4 (Mon) **10:30 AM-12:30 AM**

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GRADING

Final grades in this course will be based on the following scale:

	Percentage of Final Grade
Graded Homework	20%
Exam 1-4 (your 3 highest scores)	45% (15 % each drop 1)
Final Exam (mandatory)	20%
Assignment (Report)	15%

A = 90%-100%

B = 80%-89%

C = 70%-79%

D = 60%-69%

F = 59% or Below

COURSE OUTLINE / CALENDAR

Week	Lectures	Textbook	
1 1/12	Syllabus & Intro to Immunology	Chapter 1	
2 1/20	Innate Immunity Introduction to Adaptive Immunity	Chapter 2 Chapter 3	HW #1
3 2/26	Antigen capture and presentation	Chapter 3	HW #2
4 2/2	**Exam 1 (2/6-Friday)** Antigen presentation and recognition	Chapter 4	
4 2/9	T-cell Mediated Immunity	Chapter 5	HW #3
6 2/16	T-Cell Mediated Immunity	Chapter 6	HW #4
7 2/23	B-Cell Mediated Immunity	Chapter 7	HW #5
7 3/2	**Exam 2 (3/6-Friday)** B-Cell Mediated Immunity	Chapter 8	
9 3/9	*Spring Break!*		
10 3/16	B-Cell Mediated Immunity Tolerance	Chapter 8 Chapter 9	HW #6
11 3/23	Autoimmunity	Chapter 9	HW #7
12 3/30	**Exam 3 (4/1-Wednesday)** Transplantation Immunology	Chapter 10	

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13 4/6	Tumor Immunology Hypersensitivity	Chapter 11	HW #8
14 4/13	Immunodeficiency	Chapter 12	HW #9
15 4/20	Immunotherapy/Immunoassay **Assignment due April 21**		HW #10
16 4/27	**Exam 4 (4/27-Monday)** Review		
5-4	**FINAL EXAM (May 4, Monday, 10:30 AM-12:30 AM)**		

TECHNOLOGY REQUIREMENTS

LMS

All course sections offered by East Texas A&M University have a corresponding course shell in the myLeo Online Learning Management System (LMS). Below are technical requirements

LMS Requirements:
https://community.brightspace.com/s/article/Brightspace-Platform-Requirements

LMS Browser Support:
https://documentation.brightspace.com/EN/brightspace/requirements/all/browser_support.htm

Zoom Video Conferencing Tool
https://inside.tamuc.edu/campuslife/CampusServices/CITESupportCenter/Zoom_Account.aspx?source=universalmenu

ACCESS AND NAVIGATION

You will need your campus-wide ID (CWID) and password to log into the course. If you do not know your CWID or have forgotten your password, contact the Center for IT Excellence (CITE) at 903.468.6000 or helpdesk@etamu.edu.

Note: Personal computer and internet connection problems do not excuse the requirement to complete all course work in a timely and satisfactory manner. Each student needs to have a backup method to deal with these inevitable problems. These methods might include the availability of a backup PC at home or work, the temporary use of a computer at a friend's home, the local library, office service companies, Starbucks, a TAMUC campus open computer lab, etc.

COMMUNICATION AND SUPPORT

If you have any questions or are having difficulties with the course material, please contact your Instructor.

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Technical Support

If you are having technical difficulty with any part of Brightspace, please
contact Brightspace Technical Support at 1-877-325-7778. Other support options can be found here:

https://community.brightspace.com/support/s/contactsupport

STUDENT RESPONSIBILITIES FOR COURSE

CWID and Password

You will need your campus-wide ID (CWID) and password to log into the course. If you do not know your CWID or have forgotten your password, contact the Center for IT Excellence (CITE) at 903.468.6000 or helpdesk@etamu.edu.

Technology-Related Issues

Personal computer and internet connection problems do not excuse the requirement to complete all course work in a timely and satisfactory manner. Each student needs to have a backup method to deal with these inevitable problems. These methods might include the availability of a backup PC at home or work, the temporary use of a computer at a friend's home, the local library, office service companies, Starbucks, a ETAMU campus open computer lab, etc.

TECHNOLOGY REQUIREMENTS AND SUPPORT

Minimal Technical Skills Needed

Students will need reliable computer and internet access for this course. Students must be able to effectively use myLeo email, myLeo Online D2L, and Microsoft Office.

Learning Management System (LMS) – D2L

All course sections offered by East Texas A&M University have a corresponding course shell in the myLeo Online Learning Management System (LMS). Below are the technical requirements:

- View the Learning Management System Requirements Webpage.

- Learn more on the LMS Browser Support Webpage.

Technical Support

If you are having technical difficulty with any part of Brightspace, please contact Brightspace Technical Support at 1-877-325-7778. Other support options can be found on the Brightspace Support Webpage.

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Interaction with Instructor Statement

If you have any questions or are having difficulties with the course material, please contact your instructor. Correspondence will always be through university email (your "myLeo" mail) and announcements in myLeo online (D2L). You will not RECEIVE email through D2L, so be sure to check your ETAMU email for communication. Students are encouraged to check university email daily.

Include the Following in Emails with Instructor:

- Course name and subject in the subject line

- Salutation (Good afternoon, Dr. Jackson)

- Proper email etiquette (no "text" emails – use proper grammar and punctuation)

- Student name and CWID after the body of the email (possibly add to student signature on email)

COURSE AND UNIVERSITY PROCEDURES/POLICIES

Syllabus Change Policy

The syllabus is a guide. Circumstances and events, such as student progress, may make it necessary for the instructor to modify the syllabus during the semester. Any changes made to the syllabus will be announced in advance.

Student Conduct

All students enrolled at the University shall follow the tenets of common decency and acceptable behavior conducive to a positive learning environment. The Code of Student Conduct is described in detail online in the Student Guidebook.

Students should also consult the Rules of Netiquette Webpage for more information regarding how to interact with students in an online forum.

ETAMU Attendance

For more information about the attendance policy, please view the Attendance Webpage and the Class Attendance Policy

Academic Integrity

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Students at East Texas A&M University are expected to maintain high standards of integrity and honesty in all their scholastic work. For more details and the definition of academic dishonesty see the following procedures:

[Undergraduate Academic Dishonesty University Procedure 13.99.99.R0.03](#)

[Undergraduate Student Academic Dishonesty Form](#)

[Graduate Student Academic Dishonesty University Procedure 13.99.99.R0.10](#)

[Graduate Student Academic Dishonesty Form](#)

Use of Artificial Intelligence

East Texas A&M University acknowledges that there are legitimate uses of Artificial Intelligence, ChatBots, or other software that has the capacity to generate text, or suggest replacements for text beyond individual words, as determined by the instructor of the course.

Any use of such software must be documented. Any undocumented use of such software constitutes an instance of academic dishonesty (plagiarism).

Individual instructors may disallow entirely the use of such software for individual assignments or for the entire course. Students should be aware of such requirements and follow their instructors' guidelines. If no instructions are provided the student should assume that the use of such software is disallowed.

In any case, students are fully responsible for the content of any assignment they submit, regardless of whether they used an AI, in any way. This specifically includes cases in which the AI plagiarized another text or misrepresented sources

Students with Disabilities-- ADA Statement

The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you have a disability requiring an accommodation, please contact:

Office of Student Disability Resources and Services

East Texas A&M University

Velma K. Waters Library Rm 162

Phone (903) 886-5150 or (903) 886-5835

Fax (903) 468-8148

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Email: studentdisabilityservices@etamu.edu

Website: Office of Student Disability Services

Nondiscrimination Notice

East Texas A&M University will comply in the classroom, and in online courses, with all federal and state laws prohibiting discrimination and related retaliation on the basis of race, color, religion, sex, national origin, disability, age, genetic information, or veteran status. Further, an environment free from discrimination on the basis of sexual orientation, gender identity, or gender expression will be maintained.

Campus Concealed Carry Statement

Texas Senate Bill - 11 (Government Code 411.2031, et al.) authorizes the carrying of a concealed handgun in East Texas A&M University buildings only by persons who have been issued and are in possession of a Texas License to Carry a Handgun. Qualified law enforcement officers or those who are otherwise authorized to carry a concealed handgun in the State of Texas are also permitted to do so. Pursuant to Penal Code (PC) 46.035 and ETAMU Rule 34.06.02.R1, license holders may not carry a concealed handgun in restricted locations.

For a list of locations, please refer to the Carrying Concealed Handguns On Campus document and/or consult your event organizer.

Pursuant to PC 46.035, the open carrying of handguns is prohibited on all East Texas A&M University campuses. Report violations to the University Police Department at 903-886-5868 or 9-1-1.

East Texas A&M Supports Students' Mental Health – Counseling Services

The Counseling Center at East Texas A&M University, located in the Halladay Building, Room 203, offers counseling services, educational programming, and connection to community resources for students. Students have 24/7 access to the Counseling Center's crisis assessment services by calling 903-886-5145. For more information regarding Counseling Center events and confidential services, please visit www.tamuc.edu/counsel

Mental Health and Well-Being

The university aims to provide students with essential knowledge and tools to understand and support mental health. As part of our commitment to your well-being, we offer access to Telus Health, a service available 24/7/365 via chat, phone, or webinar. Scan the QR code to download the app and explore the resources available to you for guidance and support whenever you need it.

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