Introduction to Immunology (BIOL 449)

Class meets M-Th from 3-5pm in Genome Science Building, Room 1374. The first class will start on Wed. May 16th, and the final exam will be held in the same room on

**Purpose of the course:** to give students an understanding of not only HOW the immune system works, but also WHY the immune system functions in the manner in which it does.

You will be expected to:

- Read the assigned chapters (Discussed in class on the first day).
- Working in small groups in class, yes, this can actually be fun.
- Help determine your own grade
- Attendance is required (your group will be depending on you!)

**More information about class:**


To have access to a free digital copy of the book:

- Go to the [UNC Library website](#)
- Type in Basic Immunology in the search bar
- Click on the “Full text available through the UNC Chapel Hill Libraries”
- Click on Clinical Flex key
- If you are off campus, you will need to sign in with your Onyen, if you are on campus it will take you directly to the book.
- We are going to cover most of this *very small textbook* and you will be able to use the textbook as notes. Literally.

**Small Group Assignments:**
This semester we will be creating 3D models for the weekly group projects as well as the final group project using the free online software called Tinkercad. This is a 3D modeling program that is supported by the Be A Maker (BeAM) Space. Please do not be worried if you have never used this software. It is supported by the BeAM sites, and I will be giving you class time to work on these projects in class. Also there will be the ability to print our projects, so that you can use the homework as review!

- There will be three weekly homework assignments worth a total of 10 points (5 points individual project, 5 points group effort).
- The final project is due June 18 in class and will be worth 20 points (10 points individual project, 10 points group effort).
  - Homework is due the first class of the week (See schedule in Class Information).
  - I will have open office hours to help anyone who wants to go over material, or get help with Tinkercad (See schedule in Class Information)
  - I reserve the right to move office hours or exam/homework dates depending on class fluctuations.
- The grading rubric for these assignments is available in the Class Schedule.
- You will be grading each others projects. We will discuss this in class.

**Homework:**

There will be occasional homework over class material. These will be worth a total of 50 points.

**Exams:**

There will be a midterm exam and the final exam. The midterm is worth 50 points and the final will be worth 100 points. Immunology is a cumulative subject, so all information builds on past information.

In order to take a makeup exam, you must have an excused absence (cleared by Dr. Cramer) and take the makeup within 24 hours of the scheduled exam.
INSTRUCTOR:

Lorraine Cramer, Ph.D.

6214 Marsico Hall
CB#7290
125 Mason Farm Road
Chapel Hill, NC 27599

Email: lcramer@med.unc.edu

Directions to Dr. Cramer’s office:

- My office is on the 6th floor of Marsico Hall. Marsico is on 125 Mason Farm Road (opposite the Ambulatory Care Center). We are on the southern most side of campus. There is a bus stop in front of the building and the NS/V route will drop you off and pick you up there.
- My office is in room 6214 (turn right out of the elevator bay, then left down the hallway). My office is at the far end of the hallway.
- There is a parking garage on Manning across from the hospital if you need to drive and park.
- Please feel free to make an appointment to come and talk with me but I will have open office hours. See schedule.
- Email is the best way to get in touch with me.

The UNC honor code

I expect you to know and understand the UNC honor code. If you do not know or understand it, please go the following link and read the honor code carefully.

https://studentconduct.unc.edu/students/honor-system-module
No cell phones or other electronic devices will be allowed to be used during the quizzes or exams. If you are caught cheating, your exam will be taken and you will receive no credit and be put to the UNC Honor Court.

**Total points for class:**

- Homework assignments: 50 points
- Group assignments: 30 points
- Final project: 20 points
- Midterm: 50 points
- Final exam: 100 points

---

250 points

**GRADING AND GRADING POLICY:**

Grades will be based on percentage of total points.

- 94-100% A
- 90-93.99% A-
- 87-89.99% B+
- 84-86.99% B
- 80-83.99% B-
77-79.99% C+
74-76.99% C
70-73.99% C-
67-69.99% D+
64-66.99% D
60-63.99% D-
Below 60% Failing