

## BIOL4550/ BIOL 6550 Immunology (Summer 2022)

### 1. Course Information

- Course number and section: BIOL 4550 (CRN #52883), BIOL 6550 (CRN #2956)
- Hours of credit: 4
- Prerequisites or corequisites as listed in university catalogue: (BIOL 4550) BIOL 1107K Minimum Grade: C or BIOL 2XM1 Minimum Grade: C and BIOL 2XML1 Minimum Grade: C (BIOL 1108K Minimum Grade: C or BIOL 2XM2 Minimum Grade: C and BIOL 2XML2 Minimum Grade: C) and BIOL 3100 Minimum Grade: C (BIOL 6550) Admi5

### 2. Instructor Information

- Instructor name: Dr. Jonghoon Kang
- Instructor contact: BQ217, 229-333-7140, jkang@valdosta.edu
- Instructor office hours: Tue & Thur 2:30 pm – 3:30 pm

### 3. Course Description

- Introduction to basic concepts of immunology, including antigen and antibody structure, the generation of diversity, the nature of T cell and B cell receptors, cellular cooperation, and the down regulation of immune responses.
- Required texts, resources, and materials: "How the Immune System Works" Edition, by Lauren M. Sompayrac from Wiley. ISBN: 978-119-542124. You may need a memory stick
- Required out-of-class activities: Reading lecture notes, presentation materials, the textbook, and any posted materials

### 4. Standards, Goals, Objectives, or Outcomes

Describe basic terminology in immunology  
Describe the underlying physical and chemical principles in immunology  
Demonstrate an understanding of basic computational techniques in immunology  
Demonstrate literature analysis capability: Graduate students need to select papers to present in consultation with the instructor.  
Interpret clinical cases using basic principles of immunology.  
Demonstrate competency for the immunology part in standard tests such as MCAT, DAT, OAT, and PCAT  
Perform research to publish (optional)

### 5. Assignments

- General description of the assignments: Students are required to read the textbook to be covered before and after class. Some additional materials will be posted on Blazeview and you need to study them before class. There will be two class tests, one lab test, and one final test.
- Policies for missed assignments, make assignments, late assignments, and/or extra credit: If you miss any assignment due to medical or family-related emergency you can have make-up assignments as long as you provide a valid reason of your absence (doctor's notes). Otherwise no makeup tests or labs! And you will get a zero point for the missing part. Late assignments

will not be accepted. If you miss the lab more than three times for any reasons, you won't pass this course. So, make sure that you attend all lectures as well as labs.

## 6. Assessment Policy

Total Score(U) = 200 (InClass Exam) + 00 (Lab Practical) + 300 (Final) = 600

Total Score(G) = 200 (In Class Exam) + 00 (Lab Practical) + 100 (Term Paper) + 300 (Final) = 700

Total score (%)	Grade
$\geq 90\%$	A
$\geq 80\%$	B
$\geq 60\%$	C
$\geq 40\%$	D
$< 40\%$	F

All exams are open notebook exams. You can use your own handwritten notebooks, but you are not allowed to use any other materials such as laptops or your phone during exam. In the lab exam, you can use anything including the internet, but no communication with other people.

7. Schedule of Activities or Assignments, including university scheduled final exam time (all schedule is tentative and may be subject to change)

Date

Da391.98-1.2(6/r)-7. (nd )10.6 89( e)-0.98r-CID 25494-6.2 (a)0.8 (y)-81(

References:

1. ip2 784ens5mc]1c1

•