The departmental educational outcomes (listed in the university catalogue)
1. Develop and test hypotheses, collect and analyze data, and present the results and conclusions in both written and oral formats used in peer-reviewed journals and at scientific meetings.
3. Demonstrate an understanding of the cellular basis of life.
4. Relate the structure and the function of DNA/RNA to the development of form and function of the organism and to heredity.

- Course objectives or outcomes:

  Describe basic terminology in immunology
  Describe the underlying physical and chemical principles in immunology.
  Demonstrate an understanding of basic experimental and computational techniques in immunology.
  Demonstrate literature analysis capability.
  Interpret clinical cases using basic principles of immunology.
  Demonstrate competency for the immunology part in standard tests such as MFT, GRE, MCAT, and DAT.

5. Assignments (explicitly aligned with the goals, objectives, outcomes)

- General description of the assignments: Students are required to read the textbook to be covered before coming to the class. Some additional materials will be posted on the Blazeview and you need to study them before class. There will be four in-class tests and one final test.
- Policies for missed assignments, make-up 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 the valid reason of your absence (doctor's notes). Otherwise no make-up tests! And you will get a zero point for the missing part.

6. Assessment or Evaluation Policy

- Explanation of how much each assignment contributes to the overall grade for the class

Total Score = 400 (In Class Exam) + 100 (Two Lab Practical) + 25 (Experiments) + 15 (Two Assignments) + Final (200) = 740

- Explanation of how grades are assigned:

Total score (%)	Grade
>= 90%	A
>= 80%	B
>= 70%	C
>= 60%	D
< 60%	F

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

Date	Class	Lab
8/19	1, An Overview	
8/21	1, An Overview	No Lab
8/26	1, An Overview	
8/28	1, An Overview 2, The Innate Immune System	Introduction to Immunology Research Assignment 1 discussion BC 2071
9/2	2, The Innate Immune System	
9/4	2, The Innate Immune System	Computational Tools for Innate Immunity (PRRDB, AntiBP): Computer Lab 3018 Assignment 2 due (5 points)
9/9	Exam I (100 points)	
9/11	3, B Cells and Antibodies	Bioinformatics of CD Proteins Project (Protein structure, Membrane Proteins, Data collection): Computer Lab 3018
9/16	3, B Cells and Antibodies	
9/18	3, B Cells and Antibodies 4, The Magic of Antigen Presentation	Thermodynamic Calculation of Immune Reactions Computer Lab 3018
9/23	4, The Magic of Antigen Presentation	
9/25	4, The Magic of Antigen Presentation	Paper discussion, Assignment 2 discussion BC 2071
9/30	Exam II (100 points)	
10/2 (mid-term)	5, T Cell Activation	

10/30	9, Tolerance Induction and MHC Restriction	Vaccination Readiness

- Accommodations Statement:

  From VSU’s Access Office http://www.valdosta.edu/access/facresources.shtml):
  “Students requesting classroom accommodations or modifications due to a documented disability must contact the Access Office for Students with Disabilities located in Farber Hall
  The phone numbers are 245-2498 (V/VP) and 219-1348 (TTY).
- Academic Integrity: