

BIOL 4550: Immunology (summer, 2012)

1. Course Information

- Course number and section: BIOL 4550 (A) (CRN #: 50106)
- Course name: Immunology
- Hours of credit: 4
- Pre requisites or co requisites as listed in university catalogue: (BIOL 1107K Minimum Grade: C or BIOL 2XM1 Minimum Grade: C and BIOL 2XML1 Minimum Grade: C) and (BIOL 1108K Minimum Grade: C or BIOL 2XM2 Minimum Grade: C and BIOL 2XML2 Minimum Grade: C) and BIOL 3100 Minimum Grade: C
- Classroom location and room number: BC 1025 (for the lecture, 12:45 pm - 2:00 pm) (for the lab, 2:00 pm - 4:00 pm)

The departmental educational outcomes (listed in the university catalogue).

1. Develop and test hypotheses,

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
6/6	1, An Overview	Course Introduction
6/7	1, An Overview	
6/11	2, The Innate Immune System	Bioinformatics of CD Proteins Project (Protein structure, Membrane Proteins, Data collection): Computer Lab 3018
6/12	2, The Innate Immune System	
6/13	Exam I (100 points)	Bioinformatics of CD Proteins Project (Data analysis using PCA): Computer Lab 3018
6/14	3, B Cells and Antibodies	
6/18	3, B Cells and Antibodies	Computational Tools for Innate Immunity (CytoPred, AntiBP): Computer Lab 3018
6/19	4, The Magic of Antigen Presentation	

7/10	9, Tolerance Induction and MHC Restriction	
7/11	10, Immunological Memory	Affinity Chromatography of Glucose Binding Proteins
7/12	11, Vaccines	
7/16	Exam IV (100 points)	Vaccination Readiness
7/17	12, The Immune System Gone Wrong	
7/18	12, The Immune System Gone Wrong	Simulation of HIV detection by ELISA
7/19	13, Immunodeficiency	
7/23	14, Cancer and the Immune System	Lab Exam (100 points)
7/24	15, A Critique of the Immune System	
7/26	Final Exam (12:45 - 2:45pm) (200 points)	

8. Classroom Policies

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