

## 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 - 2:30 pm) 2931622401071TTa,TD0Tc<0003>Tj/n

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): <b>Computer Lab 3018</b>
6/12	2, The Innate Immune System	
6/13	<b>Exam I (100 points)</b>	Bioinformatics of CD Proteins Project (Data analysis using PCA): <b>Computer Lab 3018</b>
6/14	3, B Cells and Antibodies	
6/18	3, B Cells and Antibodies	Computational Tools for Innate Immunity (CytoPred, AntiBP): <b>Computer Lab 3018</b>
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	<b>Exam IV (100 points)</b>	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	<b>Lab Exam (100 points)</b>
7/24	15, A Critique of the Immune System	.
7/26	<b>Final Exam (12:45 - 2:45pm) (200 points)</b>	.

## 8. 'Classroom Policies'

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