BIOL 432/532 Immunology Spring 14

Days: M,W,F

Time: 9:30 am - 10:20 am

Location: TLC 044

Instructor: Tanya Miura, Ph.D.
Office: Life Science South, Rm. 146
Phone: 885-4940
Email: tmiura@uidaho.edu

Office Hours: M, W 10:30-11:30am
Tu, Th 2:00-3:00pm
or email for appointment

Required Text: Janeway's Immunobiology, Eighth Edition
Murphy, Travers, & Waldport

*Can use 7th Ed., but no earlier editions
7th Ed. available in Library Course Reserve

Recommended Reading: How the Immune System Works
by Lauren Sompayrac (E book available)

*This book is helpful in getting the big picture of immunology.

Lecture slides and review material posted on BbLearn

Exam Dates:
Exam 1: Monday, February 10
Exam 2: Monday, March 10
Exam 3: Monday, April 7
Exam 4: Friday, May 2
Final Exam: Wednesday, May 14, 10am (This is a cumulative exam.)

Grading:
409 Grade: grade will be based on 4 Exams
The lowest grade of the 5 Exams will be deleted.
Make-up exams will only be given for UI-approved absences.

509 Grade will be based on all 5 Exams and in class presentation

Learning Objectives:
In accordance with *UI Learning Outcomes*, it is expected that students will:
Learn & Integrate: Students will apply their previous knowledge of cellular and molecular biology to gain an understanding of the development and functions of the immune system.
Think & Create: Students will be expected to apply the concepts and approaches learned in this course to solve future academic and professional problems.
Communicate: Students will be expected to effectively communicate the concepts learned in this course using the terminology of biology, chemistry, and immunology.
Clarify Purpose & Perspective: It is expected that all students will gain insight into how their immune system protects them against disease and can also contribute to disease, and how the knowledge of immunology leads to effective vaccination and drug development.
Practice Citizenship: It is expected that students will be able to share their knowledge of immunology with others in a manner that provides accurate information about concepts that impact all of society,

including vaccination and immune-mediated diseases.

Course Schedule:

Date	Day	Topic	Lecture Slides
15-Jan	W	Overview of Immune System	1
17-Jan	F	Overview of Immune System	1
20-Jan	M	NO Class MLK	
22-Jan	W	Overview of Immune System	1
24-Jan	F	Movie: Overview of Immune Response	
27-Jan	M	Innate Immunity: Complement	2
29-Jan	W	Innate: Recognition	2
31-Jan	F	Innate: Recognition	2
3-Feb	M	Innate: Response	2
5-Feb	W	Innate: Response	2
7-Feb	F	Innate: Response	2
10-Feb	M	EXAM 1	
12-Feb	W	Antigen Recognition	3
14-Feb	F	Antigen Recognition	3
17-Feb	M	No Class President's Day	
19-Feb	W	Lymphocyte Receptor Diversity	4
21-Feb	F	Lymphocyte Receptor Diversity	4
24-Feb	M	Lymphocyte Receptor Diversity	4
26-Feb	W	Antigen Processing and Presentation	5
28-Feb	F	Antigen Processing and Presentation	5
3-Mar	M	Lymphocyte Development	6
5-Mar	W	Lymphocyte Development	6
7-Mar	F	Lymphocyte Development	6
10-Mar	M	EXAM 2	midterms
12-Mar	W	T Cell-Mediated Immunity	7
14-Mar	F	T Cell-Mediated Immunity	7
17-Mar	M	SPRING BREAK	
19-Mar	W	SPRING BREAK	
21-Mar	F	SPRING BREAK	
24-Mar	M	T Cell-Mediated Immunity	7
26-Mar	W	Humoral Immunity	8
28-Mar	F	Humoral Immunity	8
31-Mar	M	Response to Infection	9

2-Apr	W	Mucosal Immunity	10
4-Apr	F	Mucosal Immunity	10
7-Apr	M	EXAM 3	
9-Apr	W	Vaccination	11
11-Apr	F	Vaccination	11
14-Apr	M	Immune Evasion	12
16-Apr	W	Immunodeficiency	12
18-Apr	F	HIV	12
21-Apr	M	Allergy Movie	
23-Apr	W	Allergy	13
25-Apr	F	Allergy	13
28-Apr	M	Autoimmunity	14
30-Apr	W	Autoimmunity	14
2-May	F	EXAM 4	
5-May	M	Grad Student Presentations	Article TBA
7-May	W	Grad Student Presentations	Article TBA
9-May	F	Grad Student Presentations	Article TBA
14-May	W	10:00 am Final Exam	

Academic Dishonesty:
Cheating or Plagiarism will result in an automatic zero for that exam or assignment.
All parties involved in the act of cheating or plagiarism will be penalized.
Cheating= acquisition of answers to exam questions or assigned materials in a dishonest manner.
Plagiarism= the use of another person's writing as your own and/or use of writing from published sources (including internet) without citation, including copying or paraphrasing with slight change of wording.

Disability Support Services:
Reasonable accomodations are made for students who have documented temporary or permanent disabilities
All accommodations must be approved through Disability Support Services (Commons, Room 306).
Phone: 885-6307 Email: dss@uidaho.edu

University of Idaho Classroom Learning Civility Clause:
In any learning environment, it is essential that all members feel as free and safe as possible in their participation. To this end, it is expected that everyone in this course will be treated with mutual respect and civility, with an understanding that all of us (students, instructors, professors, guests, and teaching assistants) will be respectful and civil to one another in discussion, in action, in teaching, and in learning.
If you feel our classroom interactions do not reflect an environment of civility and respect, you are encouraged to meet with Dr. Miura to discuss your concern. Additional resources for expression of concern or requesting support include the Dean of Students office and staff (5-6757), the UI Counseling & Testing Center services (5-6716), or the UI Office of Human Rights, Access, & Inclusion (5-4285).

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