

BIOL 452: IMMUNOLOGY Spring 2015

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Required Course Text: Cellular and Molecular Immunology

Office Hours: 11:45-12:45 pm on Wednesday or By appointment

Schedule:

Topic	Chapter
Syllabus and History	1
Innate and Adaptive	1
Cells and Tissues	2 and 293-304
Leukocyte Migration	3
Innate Immunity	4
Test 1	Feb 16
Last Day to Drop	Feb 20
Antibodies and Antigens	5
Major Histocompatibility Complex Molecules and Antigen Presentation to T cells	6
Immune Receptors and Signaling	7
Lymphocyte Genes	8
Test 2	March 23
Selective Withdrawal ends	March 27
T cell activation	9
Effector Mechanisms of Humoral Immunity	10
B cell activation	11
Effector Mechanisms of Humoral Immunity	12
Epithelial and Immune Privileged tissue	13
Microbes and Disease	15
Hypersensitivity	18
Test 3	April 15
Allergies	19
Transplantation Immunology	16
Tumors	17
Immunodeficiencies	20
Tolerance and Autoimmunity	14
Vaccines	

Final Exam	May 6 10:30-1:15
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*This schedule is an outline of what the teacher expects to cover prior to each test. The topics on each test may change.

*If a class in which an exam is to be given is not met by the faculty member because of bad weather, illness, transportation delays, etc. the exam is automatically rescheduled for the next class meeting.

*All exams must be taken at the scheduled times; **there are no makeup exams.** A grade of "0" will be recorded for each missed exam.

*All students are **required to take the final exam.**

Helpful websites:

<http://bcs.whfreeman.com/immunology6e/default.asp?s=&n=&i=&v=&o=&ns=0&uid=0&rau=0> – this is your textbook's website.

<http://quizlet.com/1627636/scatter/> --this website allows you to take immunology quizzes. It also allows you to make your own note cards.

<http://www.nobelprize.org/educational/medicine/immuneresponses/index.html> --this website allows you to play immunology based games. In addition you can find relevant information on noble prize winners

<http://www.fas.org/immuneattack/> -- this website allows you to immunology based games on cell trafficking.

<http://www.khanacademy.org/> -- this website contains some immunology lectures. Look under the biology section

GRADING POLICY:

Exam 1	100 points
Exam 2	100 points
Exam 3	100 points
Final exam (60% new material, 40% cumulative)	100 points
FINAL GRADE %	TOTAL points/400 points

Grading scale: 90-100% = A, 80-89% = B, 70-79% = C, 60-69% = D, < 60% = F

NOTE: In addition, grades of +/- may be used at the discretion of the instructor.

GRADING POLICY DESCRIPTION:

There will be three (3) in class exams given during the semester and a final exam each worth 100 points. The 3 semester exams will consist of long essays questions.

The ****final exam** will have the following format: the first 60 points will be on material covered after the third semester exam and will have a format similar to the three semester exams essay questions; the remaining 40 points will be the cumulative portion in the form of essay questions. **All students are required to take the final exam.**

The final grade for the course will be computed by adding up the points earned on the three semester exams and the points earned on the final exam and divided by 400.

All exams must be taken at the scheduled times; there are no make up exams. A grade of "0" will be recorded for each missed exam. **In addition may not take the exam once the first exam has been turned in. SHOW UP FOR THE EXAMS ON TIME.**

#NOTE: Those students with an average of 90 or above after the three semester exams will be excused from the cumulative portion of the final exam. For these students, the average of the three semester exams will be substituted for the 40 points of the final exam.

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The GMU Honor Code is in effect at all times. Cheating will not be tolerated and it is your duty as a GMU student to report any violations of the Honor Code to your instructor.