

IMMUNOLOGY
Microbiology 461

Fall 2011

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Office hours: Walk-in, by appointment

WF 12-1:30, Snyder Hall 318

<http://www2.hawaii.edu/~patek/immunology/>

Text: K. Murphy, P. Travers and M. Walport, *Immunobiology, 7th edition*

TENTATIVE LECTURE SCHEDULE

Date	Chapter	Topic
Aug. 22		Introduction/The rules
Aug. 24	1	Basic concepts in immunology
Aug. 26	1	Basic concepts in immunology
Aug. 29	1	Basic concepts in immunology
Sept. 31	1	Basic concepts in immunology
Sept. 2	1	Basic concepts in immunology
Sept. 5		Holiday
Sept. 7	1	Basic concepts in immunology
Sept. 9	1	Basic concepts in immunology
Sept. 12	2	Innate immunity
Sept. 14	2	Innate immunity
Sept. 16	2	Innate immunity
Sept. 19	2	Innate immunity
Sept. 21	3	Antigen recognition by B cell and T cell receptors
Sept. 23	3	Antigen recognition by B cell and T cell receptors
Sept. 26	3	Antigen recognition by B cell and T cell receptors
Sept. 28	4	Generation of lymphocyte antigen receptors
Sept. 30		EXAMINATION 1 (chapters 1-4) (exam date may be changed)
Oct. 3	4	Generation of lymphocyte antigen receptors
Oct. 5	4	Generation of lymphocyte antigen receptors
Oct. 7	5	Antigen presentation to T lymphocytes
Oct. 10	5	Antigen presentation to T lymphocytes
Oct. 12	5	Antigen presentation to T lymphocytes
Oct. 14	6	Signaling through immune system receptors
Oct. 17	7	The development and survival of lymphocytes
Oct. 19	7	The development and survival of lymphocytes
Oct. 21	7	The development and survival of lymphocytes (last day to withdraw with "W" grade)
Oct. 24	7	The development and survival of lymphocytes
Oct. 26	7	The development and survival of lymphocytes
Oct. 28	8	T cell mediated immunity
Oct. 31	8	T cell mediated immunity
Nov. 2	8	T cell mediated immunity
Nov. 4		Review?
Nov. 7		EXAMINATION 2 (chapters 4-8) (exam date may be changed)
Nov. 9	9	The humoral immune response The humoral immune response
Nov. 11		Holiday
Nov. 14	9	The humoral immune response
Nov. 16	10	Dynamic of Adaptive immunity
Nov. 18	10	Dynamic of Adaptive immunity
Nov. 21	11	The Mucosal Immune System
Nov. 23	11	The Mucosal Immune System
Nov. 25		Holiday

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Nov. 28	12	Failure of host defense mechanisms
Nov. 30	13	Allergy and hypersensitivity
Dec. 2	13	Allergy and hypersensitivity
Dec. 5	14	Autoimmunity and transplantation
Dec. 7	14	Autoimmunity and transplantation

Dec. 12 **Friday, FINAL EXAMINATION 7:30am** chapters 1-14 with emphasis on the last third of the lectures (15 &16 if covered in class)

EXAMINATIONS:

There will be 3 examinations: 2 midterms and a final. Each midterm examination will focus on information covered in the 13-15 lectures preceding the examination. Each midterm will constitute about* 30% of your grade. The final examination will be based on all the information covered throughout the semester, with emphasis on information covered since the last midterm. The final will constitute about* 40% of your grade.

*Additional points may be allotted for class participation, thoughtful question, small assignments or as deemed appropriate. However, there will be no “extra credit” work.

GRADING:

Curve grading at the top and absolute grading at the bottom. Here is what that means. Approximately 20% of the class will get “As.” Approximately 50% of the class will get “As” or “Bs.” Accordingly, to get a “B” or better, your total points on the three exams needs to be above the median (this could be above or below the average or mean). The lowest “C” will require your total points to be approximately 60% of the total points available (it could go lower but don’t count on it). The lowest “D” will require your total points to be approximately 50% of the total points available (it could go lower but don’t count on it).

+/- grading will be determined by a vote of the class. Check the course website to confirm whether there will be +/- grading.

IMPORTANT -- READ THIS MAKE-UP EXAMINATIONS

1. A make-up exam will be given for individuals that have unavoidably and unexpectedly missed a regularly scheduled exam.
2. Whenever possible, I must be notified prior to the exam that you are unable to attend. If I cannot be reached, you must leave a message on my answering machine (956-7025) or in the Microbiology Office (956-8553).
3. Unless there are extraordinary circumstances, a date for the make-up exam must be set by the next school day after the regularly scheduled exam.
4. Whenever possible, certification of the reason for missing the exam is required. Certification of illness can come from a physician or UH Student Health Service. Verification of other reasons for missing exams is also required when possible (towing receipt, auto repair invoice, police report, etc.).
5. Those who miss regularly scheduled exams and do not satisfactorily meet the above criteria may receive either a zero on the exam or, if a make-up is given, may incur a severe penalty.

For those who wish to miss an exam for non-emergencies or other predictable reasons, you might be able to take the exam before the regularly scheduled date. Make arrangements well before the scheduled examination is given.