

BIO 4345: Immunobiology
The University of Texas at Dallas
 Spring, 2017

Syllabus (Version 1.0)

CLASS HOURS/LOCATION: Friday, 1:00-3:45 pm, **JO 3.516**

TEXT: “**The Immune System**”, by Peter Parham; either the 2nd Edition (2005; ISBN 0-8153-4093-1); 3rd Edition (2009, ISBN 0-8153-4146-8); or 4th Edition (2015, 978-0-8153-4466-7)

Dr. J. G. Burr, Office: FN 3.110 Office Hours: Thurs: 3:30-4:30pm. Phone: 883-2508 Email: burr@utdallas.edu

Your grade for this course will be based on the three exams.

Recommended preparation for this course is the successful completion of BIO 3301 & BIO 3302 (Genetics and Cell Biology) and BIO 3361 (Biochemistry I).

Grades will be posted on eLearning; all other course information will be posted on our course web page: (<http://www.utdallas.edu/~burr/immunobiology>)

Session	Date		Chapter reading for 3 rd Edition)*	Chapter reading for 2 nd Edition)*
1	1/13	Overview of the immune system.	1, 3	1
2	1/20	Overview of the immune system (cont'd)	1, 3	1
3	1/27	Overview of the immune system (cont'd)	1, 3	1
4	2/3	Antibodies and the generation of antibody Diversity (1)	4	2
5	2/10	Antibodies and the generation of antibody Diversity (2) (<i>Review for exam</i>)	4	2
6	2/17	Exam I (Chapters 1, 3, 4) (or 1,2)	---	---
7	2/24	Antigen recognition by T-cells: the T-cell receptor, MHC-1, MHC-II	5	3
8	3/3	The development of B lymphocytes	6	4
9	3/10	The development of T lymphocytes (<i>Review for exam</i>)	7	5
--	3/17	Spring Break		
10	3/24	Exam II (Chapters 5-7) (or 3-5)		
11	3/31	T-cell mediated immunity	8	6
12	4/7	T-cell mediated immunity: CTLs, apoptosis	8	6
13	4/14	Immunity mediated by B cells & antibodies.	9	7
14	4/21	Complement; Body's defenses against infection: innate immunity (<i>Review for exam</i>)	2	8
15	4/28	Exam III (Chapters 2, 8, 9) (or 6-8)		

*If you purchased the 4th edition, email me and I will send you the version of the syllabus that has the 4th edition textbook chapters on which the lectures are based.