

**MICROBIOLOGY 303 - IMMUNOLOGY
COURSE OUTLINE - Fall 2016**

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Textbook: **Immunology (A Short Course) Seventh Edition**
Richard Coico and Geoffrey Sunshine
Wiley-Blackwell

(Other introductory immunology textbooks may be used instead)

Part I INTRODUCTION TO THE IMMUNE SYSTEM

Chapter 1	Overview of the Immune System
Chapters 2 and 3	Innate and Acquired Immunity
Chapter 4	Immunogens and Antigens
Chapter 5	Antibody Structure and Function
Chapter 6	Antigen-Antibody Interactions
Chapter 7	The genetic Basis of Antibody Structure (Immunoglobulin Genes)

Part II ANTIGEN RECOGNITION AND B AND T CELL DEVELOPMENT

Chapters 8 and 10	Biology of B Lymphocytes and T lymphocytes
Chapter 9	The MHC complex and antigen recognition
Chapter 11	Activation and Function of T and B Cells
Chapter 12	Cytokines

Part III THE IMMUNE SYSTEM IN HEALTH AND DISEASE

Chapter 21	Resistance and immunization to infectious Diseases
Chapter 13	Tolerance and Autoimmunity
Chapter 14	Complement
Chapters 15 17	Hypersensitivities
Chapter 18	Immunodeficiency Disorders and Neoplasias of the Lymphoid System
Chapter 19	Transplantation
Chapter 20	Tumor Immunology

Assessment of Student Performance

Marking of multiple-choice, short answer, and longer answer exam questions on material presented in the course and assignment of a numerical mark to each question.

GRADING SCHEME

A⁺	90 - 100	B⁺	77 - 79	C⁺	65 - 69	F	< 50
A	85 - 89	B	73 - 76	C	60 - 64	N **	< 50
A⁻	80 - 84	B⁻	70 - 72	D	50 - 59		

**** N grades**

Students who have completed the following elements will be considered to have completed the course and will be assigned a final grade:

Midterm exam and Final exam

the University Calendar.

6. Multiple choice scan sheets for machine scoring (bubble sheets) are considered the authentic exam answer paper and will be retained by the department for 1 year.
7. Professors may refuse to review/remark exams not written in indelible ink. In addition, requests for