

**MICROBIOLOGY 303 - IMMUNOLOGY
COURSE OUTLINE - Fall 2014**

Instructor: Dr. Terry W. Pearson
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Textbook: **Not Required** but useful as reference source:

**Immunology (a short course) Sixth Edition
 Richard Coico and Geoffrey Sunshine
 Wiley-Blackwell**

(Any undergrad immunology textbook will do as a reference source)

Part I INTRODUCTION TO THE IMMUNE SYSTEM (the players)

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

**Tutorial session-prior to the midterm exam
 (2-3 hour long evening session-date to be determined)**

Midterm Exam Monday October 20

Part II ANTIGEN RECOGNITION AND B AND T CELL DEVELOPMENT

- Chapter 7 Biology of the B Lymphocyte
- Chapter 8 Role of The MHC complex in The Immune Response
- Chapter 9 Biology of the T Lymphocyte
- Chapter 10 Activation and Function of T and B Cells

Part III THE IMMUNE SYSTEM IN HEALTH AND DISEASE

- Chapter 11 Cytokines
- Chapter 12 Tolerance and Autoimmunity
- Chapter 17 Immunodeficiency Disorders and Neoplasias of the Lymphoid System
- Chapter 18 Transplantation
- Chapter 19 Tumour Immunology

**Tutorial Session-prior to the final exam
 (2-3 hour long evening session-date to be determined)**

Final Exam (2 hours long; covers entire course)

Assessment of Student Performance

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

Evaluation of the Exams and Weighting

Midterm exam (Monday, October 20)	40%
Final exam (2 hours; covers entire year)	60%

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
- final exam

Failure to complete one or more of these elements will result in a grade of "N" regardless of the cumulative percentage on other elements of the course. An N is a failing grade, and it factors into a student's GPA as 0. The maximum percentage that can accompany an N on a student's transcript is 49.

DEPARTMENT INFORMATION AND POLICIES

1. The Department of Biochemistry and Microbiology upholds and enforces the University's policies on academic integrity. These policies are described in the current University Calendar. All students are advised to read this section.
2. Cell phones, computers, and other electronic devices must be turned off at all times unless being used for a purpose relevant to the class. Students having a cell phone, tablet, or computer on their person during an exam will be assumed to have it for the purpose of cheating.
3. Any recordings of lectures may only be performed with written permission of the instructor, and are for personal use only. The instructor retains copyright to such recordings and all lecture materials provided for the class (electronic and otherwise); these materials must not be shared or reposted on the Internet.
4. Students are expected to be present for the midterm and final exams. Instructors may grant deferrals for midterm examinations for illness, accident, or family affliction, and students must provide appropriate documentation 48 hours after the midterm exam. The Department of Biochemistry and Microbiology considers it a breach of academic integrity for a student taking a deferred examination to discuss the exam with classmates. Similarly, students who reveal the contents of an examination to students taking a deferred examination are considered to be in violation of the University of Victoria policy on academic integrity (see current University Calendar). Deferral of a final exam must be requested with an Academic Concession form and submitted directly to Undergraduate Records. Deferred final exams for fall term courses will be arranged by the instructor. Deferred final exams for spring term courses will be arranged through Undergraduate Records and must be written before the end of the summer term as stipulated in the University Calendar.

5. Scan sheets for multiple choice exams (bubble sheets) will not be made available for review. Therefore, in addition to filling in answers on the scan sheet, students should also circle their answers in ink on their exam.
6. Professors may refuse to review/remark exams not written in ink. In addition, requests for review/remark of a midterm exam must be made within one week of the exam being returned. Students are expected to promptly pick up midterm exams after marking has been completed, either in class or from the instructor.
7. Examination papers that have pages removed, or are mutilated will not be marked.

Course Experience Survey (CES)

I value your feedback on this course. Towards the end of term, as in all other courses at UVic, you will have the opportunity to complete an anonymous survey regarding your learning experience (CES). The survey is vital to providing feedback to me regarding the course and my teaching, as well as to help the department improve the overall program for students in the future. The survey is accessed via MyPage and can be done on your laptop, tablet, or mobile device. I will remind you and provide you with more detailed information nearer the time but please be thinking about this important activity during the course.