

**MICROBIOLOGY 303 - IMMUNOLOGY  
COURSE OUTLINE - Fall 2013**

**Instructor:** Dr. Terry W. Pearson  
**Office:** Petch 250  
**Phone:** 721-7080  
**Email:** parasite@uvic.ca  
**Textbook:** **Not Required:**  
**Immunology (a short course) Sixth Edition 2009**  
**Richard Coico and Geoffrey Sunshine**  
**Wiley-Blackwell**

**Any undergrad immunology textbook will do-for ref only.**

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**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 Thursday October 17**

**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)**

## GRADING SCHEME

### 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 ( <b>Thursday, October 18</b> )	40%
Final exam (2 hours; covers entire year)	60%

Revised UVic Grading Scheme (effective May 1, 2012)

Passing Grades	Grade Point Value	Percentage for Instructor Use Only *	Description
A+ A A-	9 8 7	90 – 100 85 – 89 80 – 84	<b>Exceptional, outstanding and excellent</b> performance. Normally achieved by a minority of students. These grades indicate a student who is self-initiating, exceeds expectation and has an insightful grasp of the subject matter.
B+ B B-	6 5 4	77 – 79 73 – 76 70 – 72	<b>Very good, good and solid</b> performance. Normally achieved by the largest number of students. These grades indicate a good grasp of the subject matter or excellent grasp in one area balanced with satisfactory grasp in the other area.
C+ C	3 2	65 – 69 60 – 64	<b>Satisfactory, or minimally satisfactory.</b> These grades indicate a satisfactory performance and knowledge of the subject matter.
D	1	50 – 59	<b>Marginal</b> Performance. A student receiving this grade demonstrated a superficial grasp of the subject matter.
F	0	0-49	<b>Unsatisfactory</b> performance. Wrote final examination and completed course requirements; no supplemental.
N	0	0-49	Did not write examination or complete course requirements by the end of term or session; no supplemental. Failure to complete one or more components of the course evaluation will result in a grade of "N" regardless of the cumulative percentage on other components of the course. An N is a failing grade, and it factors into a student's GPA as O. 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 plagiarism and cheating. 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.