COURSE DESCRIPTION: A laboratory/discussion course exploring the theoretical and practical aspects of contemporary immunological techniques. Students will be responsible for both oral and written material presented in laboratory discussions and in the course of conducting the laboratory exercises. This includes both the theoretical and practical aspects of applied immunology including understanding various methods and their applications, and interpretation of results. The goal of this course will be to provide students with some experience in methods used in immunology, particularly the use of specific antibody in biomolecular applications. The techniques should, however, be applicable in a number of diverse fields.

PREREQUISITE: Biology 6 and Biology 107 (or equivalent) with a ≥B grade. Consent of instructor.

TEXT: Boothby: *Immunological Techniques Laboratory Syllabus*  
Biological Students Association (DH 346) 2005

Harlow & Lane: *Antibodies* (reference/recommended)  
Cold Springs Harbor Press 1988

Janeway, et. al.: Immunobiology 6th edition (reference/recommended)  
Garland Science Publishing 2005

SKILL LEVEL: It will be assumed that students entering this course will have taken upper division courses with laboratories in Immunology and Biochemistry. Material presented in these courses will not be reviewed.
CLASS HOURS: This will be a lecture/laboratory course. The scheduled hours will be MW 2:30-7:00. Outside hours for nonhazardous activities can be arranged. Several activities in addition to scheduled exercises will be expected.

EXAMINATIONS: There will be two examinations. Examinations will be given during the laboratory period (see schedule). The second examination may be given during the scheduled final examination time. Examinations will cover all appropriate course material and will emphasize comprehension and reasoning capabilities. Examinations are comprehensive. No late examinations will be accepted without prior permission from the instructor. Makeup exams will be oral.

GRADES: The course grade will be based on the two examinations (30% each), presentations from the current literature (10% presentation/5% evaluations of presentations: total 15%), a laboratory notebook (15%), and a subjective evaluation by the instructor (10%) based on observed technical skills, understanding of lab procedures and safety instructions, and participation in student evaluations, activities and discussions.

DEPARTMENT POLICY: University and department guidelines require a serious and compelling reason to drop a course. Grades, alone, do not constitute a reason to drop a course.

LAB FEE: A lab fee is charged for this class at the time of registration.

SJSU ACADEMIC SENATE POLICY:
Academic integrity statement (from Office of Judicial Affairs):
“Your own commitment to learning, as evidenced by your enrollment at San José State University, and the University’s Academic Integrity Policy requires you to be honest in all your academic course work. Faculty are required to report all infractions to the Office of Judicial Affairs. The policy on academic integrity can be found at (include url here).

Campus policy in compliance with the Americans with Disabilities Act:
“If you need course adaptations or accommodations because of a disability, or if you need special arrangements in case the building must be evacuated, please make an appointment with me as soon as possible, or see me during office hours. Presidential Directive 97-03 requires that students with disabilities register with DRC to establish a record of their disability.”
INSTRUCTOR INFORMATION

FALL 2005

Student's name:______________________ Semester & Year:_______

Year in school:______________ Major/Concentration: _______________________

Graduate advisor:_____________________________________

Area of study:___________________________________________________________

School address: ______________________________________

______________________________________

______________________________________

Telephone: (        )                   email:

Degree objective (BS, MS, PhD, MD, DVM, etc.):

Career objective (research, clinician, business, etc.):

Prerequisite courses:

<table>
<thead>
<tr>
<th>Course name</th>
<th>Department &amp; Number</th>
<th>School &amp; Year taken</th>
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