

Skyline College
Biology 430 – Introduction to Immunology
Spring 2008

Instructor: Carla DiGennaro

Email: digennaroc@smccd.edu - I will try to answer all emails within 24 hrs

Course Hours: Th 6-10pm Room 7A-7237 (40646 - JA)
4/10 - 5/1

Office: Pacific Heights Room 414

Office Hours: M,W 4:50-5:30pm 7A-7241/PH414

T,Th 8:30-9:10am 7A-7241

T,Th 11:50am-12:30pm 7A-7241/PH414

Th 5:30-6pm 7A-7237

F 12:15-1:30pm PH414

Course Website: <http://www.smccd.edu/accounts/digennaroc>

Recommended Prerequisite: Eligibility for ENGL 836

Class Description:

- * Introduction to immunology for non-scientists working in the biotechnology industry or for students considering a career in biotechnology
- * Basic scientific concepts laboratory techniques in immunology, applications to industry and medicine, and ethical considerations of the technology
- * Emphasis on how immunology effects society, including topics commonly reported by the new media
- * Class format may include discussions, demonstrations, lectures, lab exercises, videos, and other media
- * Bio422 – Foundations of Biotechnology and Bio426 – Genetic Engineering follow the same format. All three may be taken separately but it is recommended that students enroll in all three for maximum benefit

Class Materials:

- * No required text but readings (lab experiments, articles, websites, etc.) will be posted on the course website prior to class or distributed during the previous class
- * Email address (you can get one for free at www.yahoo.com)

Class Readings:

- * It is crucial that the assigned materials are read BEFORE each class
- * Attend class and think about the material as we discuss it
- * Review the material after each class

Quizzes:

- * Quizzes generally cover material discussed during the previous class period
- * There are no makeup quizzes
- * Quizzes will have a mix of multiple choice and short essay questions

Class Participation:

- * Class participation and attendance is mandatory
- * Since there are only four class sessions, missing one class accounts for 25% of class time
- * Exceptions will only be considered in dire circumstances
- * Discussion is an important component of the course. There will be discussion during each class from the assigned reading material

- * Please do not be shy about expressing an opinion or asking a question – there are no dumb questions or comments!

Course Website:

Lecture notes for each lecture will be posted on the course website at least 1 day in advance of the lecture. You are responsible for printing copies of the lecture notes ahead of time and bringing them with you to class. You can download Adobe Acrobat Reader (which allows you to read .pdf files) for free at: <http://www.adobe.com/products/acrobat/readstep2.html>.

Point Distribution:

Quiz 1	15
Quiz 2	15
Quiz 3	15
Lab report 1	25
Lab report 2	25
Class participation	25
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TOTAL	120 points

Grade assignments will be based on the percentage of total points earned.

A = 90 – 100% of total points

B = 80 – 89.9%

C = 70 – 79.9%

D = 60 – 69.9%

F = < 60%

Academic Dishonesty (Cheating):

- * Cheating will not be tolerated.
- * DO NOT COPY ANSWERS! Do not copy from other students. Do not copy from the Internet or any other source. Do not copy.
- * This policy applies to lab and lecture assignments as well as exams.
- * The penalty may be a score of **0 (zero)** on exam/assignment or possible dismissal from the course.
- * You may also be subject to further disciplinary action from Skyline College.

Class Rules: The class rules are in place to guarantee a pleasant and constructive environment. This means that you should be able to listen to and participate in the lectures without unnecessary distraction or anxiety.

- * If you have a question please raise your hand. Please grant your classmates this same courtesy when they have the floor.
- * PLEASE BE ON TIME! If you are late, enter the classroom quietly and sit near the door. You will lose points for being consistently late to class.
- * Do not talk during the quizzes. Talking during the quizzes will be considered cheating.
- * Please be respectful of your fellow classmates. Remember that you and your fellow students are all part of a learning team. Cooperative efforts are strongly encouraged. But...
- * DO NOT CHEAT.
- * Make sure all cell phones are SILENCED during lecture and lab!
- * Please clean up after yourself in lab, including putting away microscopes and other supplies.
- * Please don't delay the start of lecture or lab. See me during break or after class to answer questions.
- * NO EATING OR DRINKING IN LAB.

Date	Lecture Material	Lab Activity	Discussion
10 – April	Introduction Overview of the immune system	ELISA	
17 – April	The immune response	Western blotting part I	Regulatory T-cells
24 – April	Immune disease	Western blotting part II	Guest Speaker: Dr. William Robinson
5 – May	Catch-up/ TBA	Analysis of Serum Proteins	HIV and Vaccines

*Note: We may vary the topics depending on time and student interest