

Bio 196 *Biotechnology* *Seminar II*

Syllabus Spring 2008

Instructor	Mark Ainsworth, Ph.D.
Office Hours (4162)	T, 4 – 5 p; Th, F 9:30 – 10:30 a; or by appointment
Phone	(206) 587-4079
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Web Site	www.seattlecentral.edu/faculty/mainsworth
Lecture – SAM 307	2:00 – 3:50 PM
Textbook	Drugs: From Discovery to Approval by Rick Ng (ISBN: 0471601500)

Course Description:

This course is intended for students who have completed Biology 282, 285, 286, and are concurrently enrolled in Bio287. It will review the techniques that we have learned and the skills acquired in the core series of the Biotechnology program. This course will also cover in greater depth: skill standards, safety issues, cGLP/cGMP, interviewing skills, and networking.

This course is the opportunity to “pull it all together”, review your experience in the Biotechnology Program, and flex your “biotechnology muscles” a bit.

Expectations:

- Eat, sleep, and take care of other basic life necessities before coming to class
- Do not arrive late for class: show respect for yourself, your fellow students, and your instructor by cultivating a love for punctuality
- SILENCE ALL ELECTRONIC DEVICES BEFORE COMING TO CLASS
- LEARN

NOTE: Students with documented disabilities who need course accommodations, have emergency medical information or require special arrangements for building evacuation should contact the instructor within the first two weeks of class.

Grading:

Grades for this course will be determined as follows:

7 quizzes total (drop 2 lowest scores) x 20 pts each = 100 points
Presentation = 50 points
Updated Resume = 50 points
Mock Job Interview with instructor = 100 points
300 points total

QUIZZES: A quiz will be administered every session that will cover pertinent information from Bio282, 285, 286, 287, general biology, chemistry, biochemistry, immunology and any information covered thus far in Bio196. This is information with which one would expect a graduate of the Program to be comfortable.

PRESENTATION: Impromptu presentation on a topic from the biotechnology program. Show what you know and lead a mini-discussion.

UPDATED RESUME: A completed resume that includes the skills that you have acquired during the course of the program is required. It should be of professional caliber i.e. the same resume you will use to acquire an internship or job. It should be brought to your mock interview.

INTERVIEW: A mock job interview is required and is to be scheduled with the instructor. Allow for 30 minutes for this experience: first 20 minutes will consist of the interview, and the last 10 for feedback and discussion.

GRADING SCALE:

Percentage	Letter Grade	Grade Point
95 – 100%	A	4.0
90 – 94%	A-	3.5 - 3.9
80 – 89%	B- to B+	2.5 - 3.4
70 – 79%	C- to C+	1.5 - 2.4
60 – 69%	D- to D+	0.7 - 1.4

Tentative Schedule (subject to change):

The structure of this course is flexible. Reading assignments are from Ng, and are due the week they are listed below. We will be meeting on the following Tuesday afternoons:

Week	Date	Notes	Reading Assignment
1	4/1	Resumes	
2	4/8	Job Search	Ch. 1 – Introduction Ch. 2 – Targets and Receptors
3	4/15	CLASS CANCELED	
4	4/22	Interviewing Skills	Ch. 3 – Small Molecule Drugs Ch. 4 – Large Molecule Drugs
5	4/29	<i>Student Interviews</i>	
6	5/6	Lab Safety / Legal Issues	Ch. 5 – Development & Preclinical Ch. 6 – Clinical Trial
7	5/13	Annual Biotech Meeting	Skim Chapters – 7, 8, 9, 10
8	5/20	<i>Student Interviews</i>	
9	5/27	<i>Student Interviews</i>	
10	6/3	Testing	Ch. 11 – Future Perspectives
11	6/10	<i>Student Interviews</i>	

Topics will include:

- techniques and principles
- skill sets & resumes
- interviewing skills
- lab safety
- networking
- FDA drug approval process
- Biotech program discussion
- Review

There will be time to share internship experiences (those already completed, those arranged, and those still looking), discuss future plans, and in general support each other as we finish your education.