Chemistry 370.2 / Biology & Chemistry 375.2
Chemistry and Biochemistry Seminar
Spring 2010

Instructor: Professor Stephen Dunham
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Meetings: W 1:00-3:00, 200 Collier
Seminar: W as needed 4:00-5:00, TBA
Office Hrs: by appointment

Course Goals:

- Integrate principles, theories, and methods experienced in prior courses required for the major
- Practice oral and written communication skills to prepare for the professional and graduate work place
- Prepare and present an in-depth literature study on a specialized topic within the field of Chemistry/Biochemistry

Attendance: This course requires your participation! The college policy on attendance can be found at http://www.moravian.edu/studentLife/handbook/academic/academic.html If you anticipate an unavoidable absence, please notify me ASAP before you are absent.

This course requires up to four meetings outside of the designated time for the course to engage seminar speakers and participate in other events. If you cannot attend one or more of these meetings you will need to complete an alternative assignment.

Academic Honesty: Please be familiar with the college policy on academic honesty http://www.moravian.edu/studentLife/handbook/academic/academic2.html Because this course involves small group learning activities, each student is encouraged to exchange and share information with classmates. However, any work submitted in your name is to be your work alone.

Grading: You are not in competition with anyone else in this class. Your grade will be determined only by the percentage of the total points you achieve. In the event that the class average on any graded activity falls below 75%, that score will be curved so that the class average is 75%.

Percentage Based Grading Scale

97-100	**A !**	**73-76**	**C**
93-96	**A**	**70-72**	**C-**
90-92	**A-**	**67-69**	**D+**
87-89	**B+**	**63-66**	**D**
83-86	**B**	**60-62**	**D-**
80-82	**B-**	**< 60**	**F**
77-79	**C+**		

There are a total of 1000 pts that will be factored into your final grade in this course. All points count the same amount.

10-Assignments	500 pts
1- Demo Presentation and handout	150 pts
1-Seminar Presentation and paper	250 pts
1-Oral Final Examination	100 pts
Total	1000 pts

Assignments: Each weekly topic will have a writing and/or participation assignment along with a grading rubric (50 pts). Assignments are due at the next class meeting.

Demo Presentation and handout: Working in small groups, students will present a chemical demonstration and write a 1-2 page handout that explains the chemical concept in the demonstration and provides a complete and safe procedure for the demo.

Seminar Presentation and Papers: Each student will prepare a literature review seminar paper (5-7 pages) and a presentation (15 min) summarizing an approved journal article published in the last year.

Date		**Anticipated Schedule**	
Jan	20	Resume and Cover Letter Writing I	
Jan	27	Resume and Cover Letter Writing II, Chemical Demo Overview	
Feb	3	Chemical Demo Practice Time	
Feb	10	Chemical Demonstrations	
Feb	17	Discuss paper from *Prof. Dmochowski, U. Penn*	
Feb	24	Outside Speaker, *Prof. Ivan Dmochowski, U. Penn*	**4-5pm**
Mar	3	Discuss paper from *Prof. King, Drexel University*	
Mar	10	**SPRING BREAK**	
Mar	17	Outside Speaker, *Prof. Dan King, Drexel University*	**4-5pm**
Mar	24	Literature Search for Research Paper/Presentation	
Mar	31	Discuss paper from *Prof. Bevilacqua*	
April	7	Outside Speaker, *Phil Bevilacqua, Penn State University*	**4-5pm**
April	14	Presentation Slide Preview & Ethical Dilemmas in the Work Place	
April	21	Student Seminars on Specialized Topic	
April	28	Student Seminars on Specialized Topic	