

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

**Instructor:** Professor Stephen Dunham  
Office: 214 Collier Hall of Science, 610-861-7103  
Email: stephendunham@moravian.edu

**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
<u>1-Oral Final Examination</u>	<u>100 pts</u>
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.

<b>Date</b>	<b>Anticipated Schedule</b>
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 <i>Prof. Dmochowski, U. Penn</i>
Feb 24	Outside Speaker, <i>Prof. Ivan Dmochowski, U. Penn</i> <b>4-5pm</b>
Mar 3	Discuss paper from <i>Prof. King, Drexel University</i>
Mar 10	<b>SPRING BREAK</b>
Mar 17	Outside Speaker, <i>Prof. Dan King, Drexel University</i> <b>4-5pm</b>
Mar 24	Literature Search for Research Paper/Presentation
Mar 31	Discuss paper from <i>Prof. Bevilacqua</i>
April 7	Outside Speaker, <i>Phil Bevilacqua, Penn State University</i> <b>4-5pm</b>
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