

Chemistry 370.2 / Biology & Chemistry 375.2
Chemistry and Biochemistry Seminar
Spring 2012

Instructor: Professor Stephen Dunham
Office: 214 Collier Hall of Science, 610-625-7103
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Meetings: W 1:00-3:00, 200 Collier

Seminar: W as needed 4:15-5:15, 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.

Learning Differences: Students should contact the Office of Learning Services for disclosure of a learning difference and to request appropriate amendments to this course <http://www.moravian.edu/studentLife/handbook/academic/academic4.html>.

The Writing Center is located in a building that is not accessible to persons with mobility impairments. If you need the services of the Writing Center, please call 610-861-1392.

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	18	Resume and Cover Letter Writing I
Jan	25	Resume and Cover Letter Writing II, Chemical Demo Overview
Feb	1	Chemical Demo Practice Time
Feb	8	Chemical Demo Presentation
Feb	15	Special Topic Presentations Overview Resources
Feb	22	Discuss paper from <i>Prof. Peng</i>
Feb	29	Outside Speaker, <i>Prof. Zonghua Peng, U. Mo, KC</i> <i>4:10-5:10pm at Lehigh University, Neville 003 Auditorium</i> Leave MC at 3:30pm, Refreshments at 3:45pm Neville Hall Lobby
Mar	7	SPRING BREAK
Mar	14	Ethical Dilemmas in the workplace
Mar	21	Review Presentation Slides and Skills
Mar	28	Discuss paper from <i>Dr. Jason Hoffert</i>
April	4	Easter Break
April	11	Outside Speaker, <i>Dr. Jason Hoffert '97, NIH</i> 4:15-5:15pm
April	18	Student Presentations
April	25	Student Presentations