

Chemistry 370.2 / 375.2
Chemistry and Biochemistry Seminar
Spring 2007

Instructor: Professor Stephen Dunham
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Meetings: W 1:00-3:00, 200 Collier

Seminar: W as needed 4:00-5:00, 204 Collier

Office Hrs: by appointment

Course Goals:

- Practice oral and written communication skills for the expectations of the professional and graduate work place
- Integrate principles, theories, and methods learned in prior courses required for the major
- Prepare and present an in-depth literature study of 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.htm>. If you anticipate an unavoidable absence, please notify me ASAP before you are absent.

Academic Honesty: Please be familiar with the college policy on academic honesty (<http://www.moravian.edu/studentLife/handbook/academic2.htm>). 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 240 pts that will be factored into your final grade in this course. All points count the same amount.

9-Assignments	90 pts
1-Short Presentation and paper	60 pts
<u>1-Long Presentation and paper</u>	<u>90 pts</u>
Total	240 pts

Date	Anticipated Schedule
Jan 17	Intro, Selection of a Specialized Topic
Jan 24	Literature Review and Chemical Demo Overview
Jan 31	Final Selection of Chemical Demo and Practice Time
Feb 7	Chemical Demos Presented to Department 4-5pm
Feb 14	Discuss assigned paper from Prof. Bollinger
Feb 21	Prof. Marty Bollinger, Penn State University 4-5pm <i>Mechanisms of Diiron metalloenzymes</i>
Feb 28	Discuss assigned paper from Dr. Scott Hanton
Mar 7	SPRING BREAK
Mar 14	Dr. Scott Hanton, Air Products 4-5pm <i>Matrix-Assisted Laser Desorption/Ionization (MALDI) mass spectrometry</i>
Mar 21	Resume Writing/ Cover Letter
Mar 28	Discuss assigned paper from Prof. Richard Hark
April 4	Prof. Richard Hark, Juniata College 4-5pm <i>Development of Novel Ninhydrin Analogues for fingerprint visualization</i>
April 11	Outreach and Writing OPED articles
April 18	Ethical Dilemmas in the Work Place
April 25	Seminar on Specialized Topic TBA