

**Chemistry 370.2 / Biology & Chemistry 375.2**  
Chemistry and Biochemistry Seminar  
Spring 2015

**Instructor:** Professor Stephen Dunham  
Office: 214 Collier Hall of Science, 610-625-7103  
Email: stephendunham@moravian.edu

**Meetings:** W 1:00-3:00, 200 Collier

**Seminar:** W as needed 3:30-5:30, 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%.

<b>Percentage Based Grading Scale</b>			
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
<u>Total</u>	<u>1000 pts</u>

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

**Learning Differences:** Students who wish to request accommodations in this class for a disability should contact Ms. Elaine Mara, Assistant Director of Academic & Disability Support, located on the first floor of Monocacy Hall (610-861-1401). Accommodations cannot be provided until authorization is received from the Academic & Disability Support office.

**Demo Presentation and handout:** 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. Students will follow up with a revised presentation of their demo given at an outreach location in the Lehigh Valley.

**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. These papers will be related to seminar speakers at Lehigh University.

**Final Examination:** Assessment of some key chemistry/biochemistry concepts will be given in an Oral Examination format during the final exam week.

<b>Date</b>	<b>Anticipated Schedule</b>
Jan 21	Course Expectations, Resume and Cover Letter Writing I
Jan 28	Resume and Cover Letter Writing II, Chemical Demo Overview
Feb 4	Chemical Demo Practice Time
Feb 11	Review Papers by Prof. Norton
Feb 18	Prof. Jack Norton, Columbia U. Talk at Lehigh U.
Feb 25	Chemical Demo Presentation: Special Topics Paper Search
Mar 4	Review Papers by Prof. Erin Carlson
Mar 11	<b>SPRING BREAK</b>
Mar 18	Prof. Erin Carlson, U. Minnesota Talk at Lehigh U.
Mar 25	Review Papers by Prof. Barrera: Prof Francisco Barrera, U. Tennessee Talk at Lehigh U.
April 1	Special Topic Presentations Overview Resources
April 8	Ethical Dilemmas in the workplace
April 15	No Class this week
April 22	Student Presentations
April 29	Student Presentations
May 6	Final Examinations <b>1:30pm</b>