

**Biochemistry 100:
Biochemistry Freshman Seminar
Spring 2015**

Tuesday, 11:00 am – 11:50 am, 1116 Biochemistry Bldg

Teaching Team and Office hours:

Dr. Lynne Prost, 2139A Biochemistry, 420 Henry Mall, lprost@wisc.edu
Office hours: M 10-11 am (2139A), W 9-10 am (Biochem Badger Market), Th 2-3 pm (2139A)

Dr. Lisa Lenertz, 1142E Biochemistry, 420 Henry Mall, lenertzlinde@wisc.edu
Office hours: MWF 10-11:30 am, T 9:50-10:50 am

COURSE INFORMATION:

Course Description: Biochemistry 100 is a one-credit seminar course designed to introduce first year students to the Department of Biochemistry, to the university community, and more broadly to the scientific community. We will examine the opportunities and resources available in the Department of Biochemistry and the university with the hope of supporting students in their transition to UW-Madison.

Course Goals: By the end of the semester, students should:

1. Know enough about the biochemistry major at UW-Madison to begin to determine whether biochemistry is a major they want to pursue.
2. Feel like a member of the biochemistry department community and feel comfortable interacting with faculty.
3. Understand the variety of career opportunities available to individuals with biochemistry and/or life science backgrounds.
4. Be able to identify resources at the university that will help them succeed at UW-Madison.
5. Be able to read parts of a scientific paper.

Course Accessibility: The teaching team strives to include everyone in the opportunity to learn. Please let us know if you have additional learning considerations relating to the curriculum, instruction, or assessment of this course such that you can engage in the course more fully. We will protect the confidentiality of the information you share with us.

Course Materials and Learn@UW: Reading materials, assignments, grading rubrics, and support documents can be accessed at our Learn@UW course website.

Course Expectations: You are expected to attend all course meetings. If you are ill, please notify a member of the teaching team prior to the start of class. You are responsible for submitting all assignments on time. Assignments must be typewritten. If you are absent on the day of an in-class assignment, without prior arrangements, you will not receive credit for the activity.

Course Schedule:

Week	Topic	Assignment Due
Jan 20	Entrance Survey Course Intro	
Jan 27 <i>Public Service Fair 1/29</i>	Biochem 501 Lecture Dr. Lenertz	
Feb 3 <i>Student Org Fair 2/4</i> <i>Career and Internship Fair 2/5</i>	Biochem 651 Lecture Dr. Prost	
Feb 10	In-Class Biochem Problem Set	Choice Assignment 1
Feb 17	Guest Faculty Talk Prof Wildonger	Biochem Problem Set
Feb 24	Paper Discussion 1	Paper Questions 1
Mar 3	Paper Discussion 2	Paper Questions 2
Mar 10	Biochem Facilities Tour	
Mar 17	Faculty Interview Prep	
Mar 24	Faculty Interview and Lab Tour	
Mar 31	SPRING BREAK	
Apr 7 <i>STEM Fair 4/9</i>	Student Academic Support Services Kendra Abel	Choice Assignment 2
Apr 14	How to Obtain a Research Experience	Faculty Interview paper draft
Apr 21	Life Science Majors Guest Panel	Return peer review of faculty paper
Apr 28	Career Panel 1	Faculty Interview Paper
May 5	Career Panel 2 Exit Survey	Integrated Four Year Plan

Course Assignments:

15 points – Attendance and Class Participation - You are expected to attend all class meetings and actively participate in class.

10 points – Biochemistry Problem Set – You will complete a set of problems related to the lectures from the previous two class periods.

20 points – Research Paper Questions (2 question sets, each 10 points) – You will answer short questions regarding the assigned peer-reviewed research paper. See Learn@UW for the questions. Also see Learn@UW for videos to help you with the questions.

20 points – Choice Assignments (2 reflections, each 10 points) – You will type 2 - 3 paragraphs reflections on learning experiences of your choice. See Choice Assignment Guidelines on Learn@UW for options and writing prompts.

10 points – Prepare an Integrated Four-Year Plan - You will complete a tentative four-year plan of courses for your intended major. Out-of-classroom learning experiences will be integrated into your plan. See Guidelines, including examples, on Learn@UW.

25 points - Final Paper on Faculty Research – In groups of 5-6 students, you will conduct an interview with a biochemistry faculty member about their research and their career. In addition, you will read scientific literature about the faculty member's research area. Based upon the information from the interview and the literature you will write a 3-page (double spaced) paper about the faculty member and his/her research program. Although you will conduct the interview as a group, your paper will be written individually. Guidelines and grading rubric can be found on Learn@UW. Five points of the total 25 are assigned for peer review of the faculty interview paper. You will review one of your classmate's papers and provide thorough feedback to help improve your classmate's interview paper.

Grading Scale:

Grade	Points
A	90 – 100
AB	85 – 89
B	80 – 84
BC	75 – 79
C	70 – 74
D	Below 70