



Oregon State University
College of Science

BB 111 Introduction to Biochemistry and Biophysics Research

Fall 2019 Mondays 5:00-5:50 pm, LINC 210 1 credit, Pass/No Pass (P/N)

Instructors:

Dr. Kari van Zee

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Office: Ag and Life Science Building (ALS) 2141

Phone: 541-737-1773

Office Hours: M 12:00-1:00 pm T 1:00-2:00 pm Th 1:00-2:00 pm

Dr. Victor Hsu

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ASL 2143

Course Goals: BB 111 is designed to introduce students to the Department of Biochemistry and Biophysics, the Biochemistry and Biophysics and Biochemistry and Molecular Biology majors, as well as strategies and resources for success at OSU and in the majors. This course will introduce students to a variety of research, experiential learning, and career opportunities that complement an academic foundation in biochemistry, biophysics, and molecular biology.

Student Learning Outcomes:

Students completing BB 111 will be able to:

1. Demonstrate familiarity with the Department of Biochemistry and Biophysics faculty, students, and staff and describe areas of research carried out in the department.
2. Identify important professional skills and practices in life science fields and integrate standards of scientific professionalism in behavior and communication.
3. Describe the importance of community and networking for their professional and academic success.
4. Give examples of resources and processes, at OSU and elsewhere, that will support their professional and academic success, including the Academic Success Center, the Math Learning Center, the Mole Hole, the Vole Hole, the Worm Hole, CAPS, HSRC, advising, etc.
5. Identify study skills and test taking strategies to engage in academic coursework and promote mastery and retention of foundational concepts.
6. Describe the value of research, internships, shadowing, volunteering, international experiences, campus involvement and other experiential learning and leadership opportunities in their professional development and be able to identify one or more of these experiences they wish to integrate with their undergraduate career.



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7. Describe student responsibilities and the role of advisors and mentors in achieving academic success and professional goals.
8. Create an academic plan and register for their planned courses using tools such as MyDegrees, Scheduler, the OSU Course Catalog, and major and option advising guides.
9. Identify one or more area of personal interest in the biochemistry, biophysics, and molecular biology disciplines and create a personal development plan.

Learning Resources: No textbook is required for this course. Assignments and resources will be posted on the Canvas learning portal. Refer to the **Course and Assignment Schedule** (posted on Canvas as separate file). If you have any issues accessing the materials on or posting assignments to CANVAS, email Dr. van Zee.

Criteria for Evaluation

To successfully complete this 1-credit course and receive a pass (P) grade, students must complete each of the following components.

- 1) Attend class regularly and participate in class discussions and activities. Students must attend at least seven of the nine scheduled classes to receive a “P”. If you miss more than two classes without prior communication and permission from the instructor, you will receive an “N” in the course. Attendance will be assessed by submission of group, in-class activity and reflection sheets with names entered by hand on the submitted form.
- 2) Complete and submit assignments in CANVAS by the appropriate deadline. Students missing 2 or more assignments will not pass the class.
- 3) Design a professional development plan and submit to CANVAS by the indicated date at the end of the term. Students who do not submit a plan by the end of the term will not pass the class.

Department of Biochemistry and Biophysics Information

Main office: Ag and Life Sciences Bldg (ALS) 2011, 541-737-4511

Website <https://biochem.oregonstate.edu/>

Undergraduate room: ALS 2162 (refrigerator and microwave available, some text books on reserve)

BB Computer lab: ALS 2148

College of Science Student Success Center: Kidder Hall 109, 541-737-4811

Academic Advising

The Department of Biochemistry and Biophysics uses a team-based, intentional-approach for academic advising. This means that students in the BB and BMB majors do not have one advisor for their entire careers at OSU, but rather students have a team of advisors. All members of our team are research and/or teaching faculty with expertise in the disciplines of biochemistry, biophysics, and molecular biology. A message will be sent to the **bbundergrad listserve** around week 4 and 6 of each term announcing the advising rotation with scheduling instructions. Students are responsible for reading this email and scheduling appointments through the advising calendar in a timely manner with the



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appropriate advisor. The advising rotation will be based on a student's level in chemistry in our program rather than total credit hours: general chemistry/organic chemistry/biochemistry/biophysics.

All first year students at OSU and all students at all levels in the BB and BMB majors are required to meet with one of the advising team members per the schedule posted on the department's advising webpage <https://biochem.oregonstate.edu/content/advising>, though all students are invited to reach out with questions and drop by for conversations throughout the term. Drop-in hours are posted each term.

PINS: The departmental policy on providing registration PINS is that PINS are only provided at in person advising meetings and are not provided by email. Depending on the circumstances (ex: study abroad, health issues) phone advising appointments may be scheduled with Dr. van Zee. Forgetting to schedule an appointment before going home for the end of term break is not a legitimate reason for a phone advising session.

University Policies

Regarding Students with Disabilities:

Statement Regarding Students with Disabilities: Accommodations for students with disabilities are determined and approved by Disability Access Services (DAS). If you, as a student, believe you are eligible for accommodations but have not obtained approval please contact DAS immediately at 541-737-4098 or at <http://ds.oregonstate.edu>. DAS notifies students and faculty members of approved academic accommodations and coordinates implementation of those accommodations. While not required, students and faculty members are encouraged to discuss details of the implementation of individual accommodations.

Student Conduct:

Students are expected to adhere to the OSU Student Conduct Regulations described at <http://studentlife.oregonstate.edu/code>

Reach Out for Success: University students encounter setbacks from time to time. If you encounter difficulties and need assistance, it's important to reach out. Consider discussing the situation with an instructor or academic advisor. Learn about resources that assist with wellness and academic success at oregonstate.edu/ReachOut. If you are in immediate crisis, please contact the Crisis Text Line by texting OREGON to 741-741 or call the National Suicide Prevention Lifeline at 1-800-273-TALK (8255)