

BB 111 Introduction to Biochemistry and Biophysics Research

Fall 2018, Mondays 5:00-5:50 pm, LINC 200

1 credit, Pass/No Pass (P/N)

Instructor: Dr. Kari van Zee

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Office: Ag and Life Science Building (ALS) 2141

Phone: 541-737-1773

Office Hours: MW 11am -1 pm. Students are also welcome to drop by or email to schedule an appointment. Not available to meet Tues and Thurs 8:30 am-12:30 pm and Tues 3:30-5 pm.

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.
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 with SMART goals for Year 1.

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 will

- 1) Attend class regularly and participate in class discussions and activities, including those requiring active response through TopHat. 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.
- 2) Complete and submit all assignments in CANVAS by the appropriate deadline.
- 3) Design a professional development plan for Year 1 and submit to CANVAS by the indicated date at the end of the term.

Department of Biochemistry and Biophysics Information

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

Website <https://biochem.science.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 listserv** 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 in a timely manner with the 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 at least once every term, though all students are invited to reach out with questions and drop by for conversations throughout the 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:

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/sites/studentlife.oregonstate.edu/files/code_of_student_conduct.pdf. Cheating or plagiarizing by students is subject to the disciplinary process outlined in the Student Conduct Regulations. Behaviors disruptive to the learning environment of others will not be tolerated.