Welcome to the homepage for Biol 101 at UC Santa Cruz. Molecular biology deals with nucleic acids and proteins and how these molecules function as the building blocks of life. The course will focus on the structure and function of nucleic acids (DNA and RNA) and proteins, as well as the processes that lead to the expression of genetic information. There will be a strong emphasis on understanding the fundamental principles of molecular biology and how these principles are applied in various fields, including biotechnology, medicine, and biomedicine.

### Course Information

- **Instructor:** Prof. Melissa Jurica
- **Office Hours:** MW; 1:00-4:30 pm
- **Email:** mjurica@ucsc.edu

### Course Goals

Molecular biology is a rapidly changing field with many exciting developments. By the end of this course, you will be able to:

1. Understand the fundamental principles of molecular biology
2. Be able to apply these principles to real-world problems
3. Communicate effectively about molecular biology

### Assessment

- **Homework:** 40 pts
- **Quizzes:** 15 pts
- **Midterm Exam:** 20 pts
- **Final Exam:** 25 pts

### Grading Scales

- **A:** >270 pts
- **B:** >220 pts
- **C:** >170 pts
- **D:** >120 pts
- **F:** <120 pts

### Discussion Board

The course will have an online discussion board where students can ask questions and share ideas. The discussion board is a platform for students to engage with the material and with each other, fostering a collaborative learning environment.

### Online Resources

- **Lecture Videos:** Lecture recordings are private content for this class only. Do not repost them.
- **Online Quizzes:** Online quizzes will be available on gradescope. Make sure to submit your work on time.
- **Course Materials:** Course materials will be available on the course website. You can access these materials by logging in with your UCSC login credentials.

### Policies

- **Attendance:** Attendance is not required, but it is strongly encouraged. Students are responsible for their own learning.
- **Homework:** Homework assignments will be given on a weekly basis. Late homework will not be accepted.
- **Exams:** There will be one mid-term exam and one final exam. In all other cases, a missed exam will be scored as a 0.
- **Academic Integrity:** Academic integrity includes:
  - Presenting your own work and acknowledging the work of others in order to preserve the integrity of your scholarship.
  - All members of the UCSC community benefit from an environment of trust, honesty, fairness, respect, and responsibility. You are expected to:
    - Honor your word.
    - Be aware of the consequences of academic dishonesty.
    - Report any violations of academic integrity.

### Extra Help

If you need additional help, please visit the Academic Resource Center (ARC) or contact your TA. The ARC is a great place to get help with coursework and test preparation. They also offer tutoring services for various subjects, including molecular biology.

---

**Title IX/Care Advisory

It is the policy of the University of California, Santa Cruz, to create and maintain a learning and working environment that does not permit sexual harassment or other inappropriate sexual conduct including sexual assault, rape, sexual predatory behavior, gender harassment, sexual intimidating behavior, sexual coercion, sexual violence, and sexual exploitation.

If you believe that you have been the victim of sexual harassment or other inappropriate sexual conduct, you should report the incident to a Title IX Coordinator. You can also report gender discrimination or sexual harassment to the Dean of Students Office. Visit the UCSC website for more information about Title IX.

---

**Dean of Students Office

If you are a student experiencing personal challenges or have psychological needs that may interfere with your academic progress, you may contact the Student Health Center or the Counseling Center. They can provide academic or personal counseling support.

To report gender discrimination or sexual harassment, please contact the Dean of Students Office. You can also report gender discrimination or sexual harassment to the Title IX Coordinator. Visit the UCSC website for more information about Title IX.

---

**Gradescope

Gradescope is an online grading tool used by the instructor to submit assignments and final exams. You can access Gradescope by logging in with your UCSC login credentials. Make sure to check your Gradescope account regularly to see your grades and comments from the instructor.

---

**Noon Student Health Center

If you are feeling unwell or experiencing mental health concerns, you can visit the Noon Student Health Center. They provide walk-in and scheduled appointments for students. You can also contact them by phone or email.

---

**Slug Support Program

Slug Support is a program designed to provide support for students facing personal challenges or have psychological needs that may interfere with their academic progress. They offer academic support, career guidance, and counseling services.

---

**Division of Undergraduate Education

The Division of Undergraduate Education is dedicated to providing a safe learning environment that is free of all forms of gender discrimination and sexual harassment. They provide resources and support for students and faculty, including training and education on sexual harassment and gender discrimination.

---

**Plagiarism

Plagiarism, including use of Internet material without proper citation, will not be tolerated. If you are unsure about what constitutes plagiarism, please consult with your TA or the ARC.

---

**Library

The UCSC Library provides access to a wide range of resources, including books, journals, and online databases. They offer research assistance and can help you find information for your coursework.

---

**Student Health

The Student Health Center provides primary care, behavioral health, and health education services for students. They also offer a variety of health promotion programs, including smoking cessation and nutrition counseling.

---

**Student Counseling

The Counseling Center provides confidential counseling services for students, including individual counseling, group therapy, and crisis intervention. They also offer a variety of support groups and workshops.

---

**Student Employment

If you are interested in finding part-time employment opportunities on campus, please visit the Office of Student Employment. They provide information on job openings and can help you find a position that fits your skills and interests.

---

**Academic Integrity

Academic integrity is a core value of the UCSC community. Violations of academic integrity will be reported to the Dean of Students Office and can result in serious consequences, including removal from the class and academic suspension.

---

**Title IX

Title IX is a federal law that prohibits gender discrimination in education programs and activities that receive federal funding. The University of California, Santa Cruz is committed to complying with Title IX regulations and to providing a safe and inclusive learning environment for all students.

---

**Department of Public Safety

If you are ever in danger or need assistance, please call 9-1-1. Also, you can contact the Campus Safety Dispatch at (831) 459-4911. They are available 24/7 to provide assistance and support.

---

**Emergency Call Box

Emergency call boxes are located throughout the campus. They provide a direct line to the Campus Safety Dispatch and can be used in case of an emergency.

---

**Student Conduct

Student conduct policies are in place to ensure a safe and respectful learning environment. Violations of these policies can result in serious consequences, including disciplinary action.

---

**Instructional Support

The Division of Undergraduate Education provides support for instructional support, including tutoring and academic advising. They can help you find resources and support to succeed in your coursework.

---

**Academic Calendar

The academic calendar provides information about the academic year, including important dates and deadlines. You can access the academic calendar by visiting the UCSC website.

---

**Classroom Procedures

Classroom procedures are in place to ensure a safe and respectful learning environment. These procedures include policies on cell phone use, disruptive behavior, and academic honesty.

---

**Attendance

Attendance is not required, but it is strongly encouraged. Students are responsible for their own learning.

---

**Resources

This course provides access to a wide range of resources, including books, journals, and online databases. They offer research assistance and can help you find information for your coursework.

---

**Syllabus

The syllabus provides an overview of the course, including learning goals, schedule, teaching team, communication, and assessment. You can access the syllabus by visiting the UCSC website.

---

**Disclaimer

The information provided in this course is subject to change. Please check the UCSC website for the latest updates and changes.