

Bioengineering (BIOENGR)
BIOENGR 180L - System Integration in Biology, Engineering, and Medicine I
Laboratory

Spring 2023

Instructor

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Director, UCLA Cardiovascular Engineering & Light-Sheet Imaging
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TAs

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Class Information

MacDonald Medical Research Laboratories 1441
Zoom Link: <https://ucla.zoom.us/j/99398649039>
Meeting ID: 993 9864 9039

<https://bruinlearn.ucla.edu/>

<u>Date</u>	<u>Lecture</u>
4/4 Tuesday 10-11:50 am	Review Syllabus In Person lecture
4/6 Thursday 10-11:50 am	No Class
4/7 Friday 10-11:50 am	N/A
4/11 Tuesday 10-11:50 am	Mark A. Wisniewski MS, MBA Senior Director, Biopharmaceuticals UCLA Technology Development Group 10889 Wilshire Blvd., Suite 920 Los Angeles, CA 90095-7191 Office: (310) 794-0204 Mobile: (310) 422-6776 mark.wisniewski@tdg.ucla.edu https://tdg.ucla.edu/labest-2022
4/13 Thursday 10-11:50 am	Introduction to Final Project

4/14 Friday 10-11:50 am	N/A
4/18 Tuesday 10-11:50 am	Alexander Upfill-Brown, MD, MS Orthopaedic Surgery Resident National Institute of Health T32 Regenerative Musculoskeletal Medicine Training Program Fellow Biodesign Fellow David Geffen School of Medicine
4/20 Thursday 10-11:50 am	Peter Hsiue, MD Orthopaedic Surgery Resident National Institute of Health T32 Regenerative Musculoskeletal Medicine Training Program Fellow Biodesign Fellow David Geffen School of Medicine
4/21 Friday 10-11:50 am	N/A
4/25 Tuesday 10-11:50 am	Zhaoping Li, MD, PhD Center Director and Division Chief, Clinical Nutrition Professor of Clinical Medicine UCLA and VA Greater Los Angeles Health Care System
4/27 Thursday 10-11:50 am	Jure Marijic, MD Professor of Anesthesiology UCLA School of Medicine
4/28 Friday 10-11:50 am	N/A
5/2 Tuesday 10-11:50 am	Team Discussion, Prepare for Midterm
5/4 Thursday 10-11:50 am	Midterm
5/5 Friday 10-11:50 am	N/A
5/9 Tuesday 10-11:50 am	Ronald Reagan Visit
5/11 Thursday 10-11:50 am	Peyman Benharash, MD Associate Professor-in-Residence of Surgery and Bioengineering David Geffen School of Medicine at UCLA
5/12 Friday 10-11:50 am	Irena Tsui, MD Associate Professor of Ophthalmology Stein Eye Institute and Doheny Eye Institute, UCLA
5/16 Tuesday 10-11:50 am	Marilene Wang, MD Professor, Department of Head and Neck Surgery UCLA School of Medicine

5/18 Thursday 10-11:50 am	Neda Bujubasic, MD, PhD Cardiac Non-Invasive Laboratory Transthoracic and Transesophageal Echocardiogram Greater Los Angeles VA Healthcare System 4 South, cardiology conference, room # 4435 Preparation for Group Project Presentation
5/19 Friday 10-11:50 am	N/A
5/23 Tuesday 10-11:50 am	Nima Nia, PhD Director of Engineering Edwards Lifesciences
5/25 Thursday 10-11:50 am	Debiao Li, PhD Director, Biomedical Imaging Research Institute at Cedars-Sinai <i>Followed by in-person visit to the Cedars Sinai Cardiac Imaging Center (select students only)</i>
5/26 Friday 10-11:50 am	N/A
5/30 Tuesday 10-11:50 am	Site Visit
6/1 Thursday 10-11:50 am	Site Visit
6/2 Friday 10-11:50 am	N/A
6/6 Tuesday 10-11:50 am	Final Group Presentations
6/8 Thursday 10-11:50 am	Final Exam

Grading

Class Participation and Group Presentations– 25%

Midterm– 25%

Final Group Presentations – 25%

Final Exam – 25%

Academic Integrity

Cheating, plagiarism, collaborative work, multiple submissions without the permission of the professor, or other kinds of academic dishonesty are considered unacceptable behavior and will result in formal disciplinary proceedings usually resulting in suspension or dismissal.

The UCLA Student Conduct Code states, "Unless otherwise specified by the faculty member, all submissions, whether in draft or final form, to meet course requirements (including a paper, project, exam, computer program, oral presentation, or other work) must either be the Student's own work, or must clearly acknowledge the source." The use of ChatGPT or other AI tools for course assignments is akin to receiving assistance from another person and raises the same concern that work is not the student's own.