

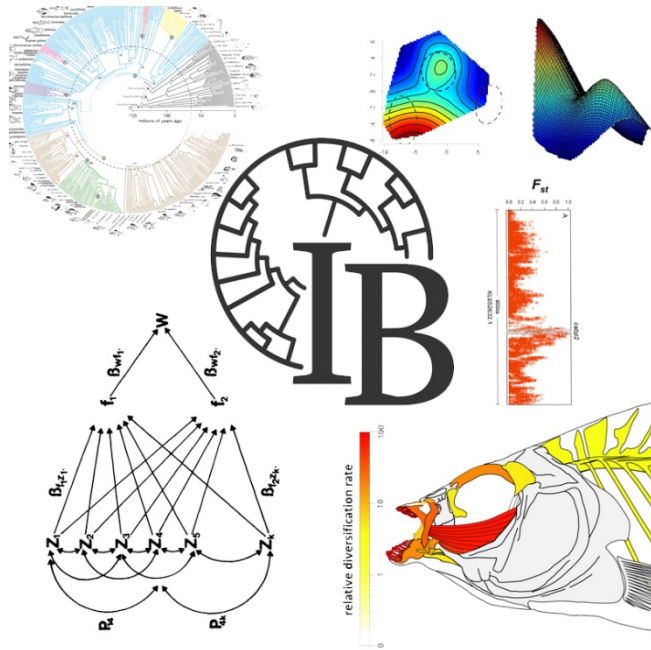
Integrative Human Biology, IB 77

Course Title: Integrative Human Biology

Transcript Title: Integr Human Bio

Course Number: IB 77A (Fall Semester), IB 77B (Spring Semester)

Number of Credits: 1 Credit Pass/No Pass Course



Description: Welcome to IB77, our introduction for majors and potential majors into the breadth of integrative research ongoing in this incredible department! Each week a different Integrative Biology faculty member will give a one hour lecture on how their research field contributes to our understanding of human biology. Many human biology discoveries are inspired by experimental biology studies on non-human organisms. The disciplines of evolution, ecology, paleontology, biomechanics, comparative physiology, and comparative anatomy illuminates our understanding of human biology. During each presentation, the faculty member will also inform students about IB courses they teach, research in their lab, and which Berkeley Natural History Museum and/or research center they may be affiliated with. This course gives undergraduates an opportunity to learn about the spectrum of research and courses offered by the different IB faculty and will help students to create connections and answer your questions about how to get involved in research and prepare for numerous biological careers.

Instructor: Christopher Martin, Assistant Professor and Curator of Ichthyology, Integrative Biology and Museum of Vertebrate Zoology. Lab website: <http://ib.berkeley.edu/labs/martin/>

Pronouns: he/his

GSI: Mattina Alonge, PhD Candidate, George Bentley lab, Integrative Biology

Pronouns: she/her

Course Logistics: The course will be offered in person from 4:00-5:00 PM on Wednesdays. Lectures occur in person and will also be recorded and presented synchronously on zoom with time for live questions, live synchronous virtual questions, and discussion. Recorded lectures will be posted to the media gallery for reference, which provides auto-captioning.

Pandemic modifications: Each person has their own level of risk during this pandemic. All students may opt-out of the in-person section at any time and decide to only watch the recorded lectures either synchronously (to participate in questions/discussion) or asynchronously.

Any students testing positive for COVID must quarantine for 10 days, but there will be ample time for you to watch recorded lectures and complete any assignments. There are no late penalties.

I expect everyone to follow campus guidelines and wear masks while indoors in the classroom auditorium.

Above all, I want to emphasize flexibility and to avoid causing any undue stress for this pass/fail survey course. All assignments will have a due date, but if you need additional time, please ask. You do not need to provide a reason for requesting an extension. There are no penalties for assignments turned in late except the final. If you cannot make the final presentation class synchronously, we will arrange an alternative virtual assignment.

Course Format: The course is for one credit and is Pass/No Pass. This is not a weed-out course and I hope that everyone passes. I will reach out at the end of the course if any student is in danger of not passing to discuss options/alternate assignments.

Weekly assignments: We will assign short answer, multiple choice, or discussion questions after each faculty guest lecture. These assignments are meant to stimulate your interest and help you to engage with the incredibly diverse range of research presentations.

Final project: During the final class, students will work in groups to present one of the class topics to the entire class. Groups should propose a research collaboration or point of connection between multiple faculty within the IB department. This is meant as a fun way for you all to work in groups and discuss connections among different topics from the course lectures.

Students Eligible for the Course: All integrative biology undergraduate majors from both tracks will be required to take one semester of either IB 77A in Fall semester or IB 77B in Spring semester as soon as they declare IB as their major. Students can take and get credit for both IB 77A and IB 77B. This course may also be taken by concurrent enrollment students as well as UC Berkeley

undergraduates who have not yet declared a major and want to learn more about the IB major.
There are no course prerequisites for this course.

Spring 2022 Semester lectures on Wednesdays 4:00 – 5:00pm zoom/VLSB 2050:

19-Jan	Martin
26-Jan	Zac Chestnut
2-Feb	Charles Marshall
9-Feb	Bruce Baldwin
16-Feb	Rasmus Nielsen
23-Feb	Mattina/
2-Mar	Seth Finnegan
9-Mar	Juan Liu
16-Mar	Ellen Simms
23-Mar	holiday
30-Mar	Carol Spencer
6-Apr	Robert Dudley
13-Apr	Jim McGuire
20-Apr	Martin
27-Apr	Final group presentations