

| Day/Date | Lec # | Lecture/Event Title | Required Reading | Optional Lehninger Reading |
|-----------------|------------|--|-----------------------------------|----------------------------|
| Tue 4/2 | 1 | Bio Review; Enzymes | Ligand Binding and Enz. Catalysis | Ch 1-5 (review) |
| Thr 4/4 | 2 | Enzymes 2 | | Ch 6 |
| Tue 4/9 | 3 | Bioenergetics and Metabolism 1 | The Slow Burn | Ch 13 (incl 491-4 intro) |
| Thr 4/11 | 4 | Bioenergetics and Metabolism 2 | | |
| Tue 4/16 | 5 | Glucose and Glycolysis 1 | Glucose Glycolysis and Krebs | Ch 14:533-558; 565-574 |
| Thr 4/18 | 6 | Glucose and Glycolysis 2 | The Name Game (first 1/2) | |
| Tue 4/23 | 7 | Krebs Cycle 1 | " " " (remainder) | Ch 16 |
| Thr 4/25 | 8 | Krebs Cycle 2 Guest Lecture: Aaron Coleman, PhD | | |
| Tue 4/30 | MT1 | MIDTERM 1 | | |
| Thr 5/2 | 9 | Lipid Catabolism | Biology's Gasoline | Ch 17 |
| Tue 5/7 | 10 | Mitochondria and Respiration 1 | | |
| Thr 5/9 | 11 | Mitochondria and Respiration 2 | Electron Trans. Chain and OxPhos | Ch 19 |
| Tue 5/14 | 12 | Glucose Anabolism and Regulation | Gluconeogenesis | Ch 14:558-565; 15:589-600 |
| Thr 5/16 | 13 | Lipid Anabolism | | Ch 21 |
| Tue 5/21 | 14 | Nucleic Acids, Amino Acids, | | Ch 18, Ch 22 |
| Thr 5/23 | 15 | Integrating Metabolism | | Ch 15:600-615 |
| Tue 5/28 | MT2 | MIDTERM 2 | | |
| Thr 5/30 | 16 | Exercise Metabolism | | |
| Tue 6/4 | 17 | Obesity and Diabetes | A DNP story | |
| Thr 6/6 | 18 | Guest Lecture: Christian Metallo PhD, Metabolomics | | |
| Mon 6/10 | F | FINAL EXAM | | |

Office Hours (live) Everyone is holding LIVE office hours at the indicated locations. We love to meet the students away from the classroom!

| | | | |
|-------------------|------|---|-----------------------|
| Aida Husain | GIA | Mon & Wed 10-11am; Art of Espresso | aihusain@ucsd.edu |
| Myron Erni | UGIA | Mon 9:30-10:30 am; Benches outside Galbraith Hall | merni@ucsd.edu |
| Shreya Srinivasan | UGIA | Fridays, 9:30am to 10:30 am; tables outside MOMs | s3srinivasan@ucsd.edu |
| Jaron Kam | UGIA | Thurs 5-6 pm; Sixth Commuter Lounge | jakam@ucsd.edu |
| Randy Hampton | Prof | Wed 4-5PM 2130 Pacific Hall | rhampton@ucsd.edu |

Weekly Zoom Discussions: Also, the TAs are holding TWO Zoom discussion sections each week where they will both answer your questions, and go over posted puzzles and problems that are coming soon.

Mondays 5:30-6:30 pm
Fridays 6:15-7:15 pm

Meeting ID: 995 0195 2428

Zoom Link:

<https://ucsd.zoom.us/j/99501952428>

BioConnect: Three student volunteers who have taken 102 will facilitate small group and individual discussion on the course material. Get started with the QR code!



BioConnect Small group discussions :

Monday @4-5 in pm York 3010 (Andrew C.) - take the stairs up to the 3rd floor from the staircase closest to Mayer Hall, the room is next to the staircase on the right

Wednesday @12:30-1:30 pm in WLH 2113 (Max H.)

Thursday @7:30-8:30 pm in WLH 2111 (Ruoxi W.)

Metabolic Biochemistry (BIBC 102): Breakdown of total points offered for various for-credit class endeavors. All will be described as needed in lectures and slides.

| POINT TOTALS for Sp24 Metabolic Biochemistry | | |
|---|--------------------|------------------------------|
| ENDEAVOR | POINTS | DETAILS |
| ATTENDANCE | 100 (10%) | 12/18 for full cred |
| FRIDAY "Quizzes" | 200 (20%) | 2 Chance; 5 questions |
| MIDTERM 1 | 200 (20%) | Live; Lec 1-8 |
| MIDTERM 2 | 200 (20%) | Live; Lec 9-15 |
| FINAL | 300 (30%) | Live; Lec 1-18 |
| TOTAL | 1000 (100%) | Much Learned ! |

REACHING ME, RANDY HAMPTON (your 102 prof)

1) E MAIL

You can email me at rhampton@ucsd.edu. Please feel free to e mail me for any reason whatsoever. I can't promise a response to everyone, but I usually do. **HOWEVER! It really helps if you start with the course number in the subject line**, along with whatever you want, so I can tell when I am getting a class-y email. Example:

BIBC102: I found a mistake in the Krebs cycle that will revolutionize medicine!

That sort of thing

I am especially interested in how I can do a better job, and what you do and don't get, what you do and don't like, what you do and don't need in our course, what you'd like to hear about, etc.

2) OFFICE HOUR(S)

Wednesday from 4-5 PM (Wi 24)

2130 PACIFIC HALL (down the hall from my office at 2100E Pac; bigger room, white board, better)

I realize that many students come to campus for class, so having office hours on the Wednesday along is maybe not ideal. Please come for any reason. Please don't be shy. I am super user friendly.

3) IN CLASS TEXT NUMBER (The R Line; 858-859-8528)

A while ago, I started using in-class texting for students to be able to ask questions during lecture free of the daunting prospect of speaking up in the presence of 300-400 students. People also use this number to communicate with me whenever. It is not my personal cell, but rather a dedicated texting number (doesn't take voice calls) for the students in my classes only.

4) ALONG THIS OCEAN-VIEWING RUNNING LOOP

Often as the day winds down it is nice to run down to Scripps Pier and along La Jolla Beach...then back up. It promotes clearer thinking and gratitude. Down La Jolla Shores, onto the beach, and then up Calle D'Oro. 4.5 ish miles. Lately though, I have been training in the early am...

