

BIBC102 winter Summer (I) 2020

Metabolic Biochemistry

Instructor: Professor Yunde Zhao (yundezhao@ucsd.edu)

Lectures Mondays and Wednesdays, 2:00 pm to 4:50 pm, **Zoom**

Course website at UCSD Canvas: <https://canvas.ucsd.edu/courses/16022>. You use your UCSD e-mail username and password to login. If you are a concurrent enrollment (UCSD Extension) student, you must obtain a registration token from Extension's student services or the ACS Help Desk in order to login to the course website.

EXAMS, Quiz, and Problem Sets

There will be only one exam: The Final Exam. There will be no midterms.

The Final exam will be comprehensive (materials from every lecture will be covered). The final exam counts **25%** of your grade. Final exam will be multiple-choice. There will be **50** questions total.

There will be three problem sets, which will be due on Fridays (July 10, 17, and 24), 11:59 pm. Each problem set counts **25%** of your grade. Total of **75%** of your grade. If the Problem set is turned in after deadline without pre-approval from the instructor, you will be deducted 5 points per day.

We will have weekly quiz, which are due on Sundays (July 12, 19, 26), 11:59 pm. After the deadline, the quiz will **NOT** be available. Quiz will be all multiple-choice questions. Quiz will be counted as bonus to your total points. Correct answer for each question earns **1** point and there will be 20 questions total.

YOUR GRADE

Your grade will be determined by the total points you receive.

Total: 25 final, 75 P sets, plus 20 possible bonus points (The most points you can get are **120**).

A: 90 and above

B: 75 and above

C: 60 and above

D: 50 and above

F: below 50.

UCSD POLICY ON ACADEMIC INTEGRITY: All academic work will be done by the student to whom it is assigned without unauthorized aid of any kind.

Text Book: No textbook is required. **Exams, quiz, and P-sets will be based on lectures and assigned readings only.**

Date	Lecture	Topic
June 29, Monday	1	Course information, energetics and metabolic concepts
July 1, Wednesday	2	Enzyme kinetics and regulations
July 6, Monday	3	Glycolysis, fermentation,
July 8, Wednesday	4	Glycolysis regulation and pentose phosphate pathway
July 13, Monday	5	Krebs cycle, glyoxylate cycle
July 15, Wednesday	6	Oxidative phosphorylation
July 20, Monday	7	Gluconeogenesis and glycogen
July 22, Wednesday	8	Photosynthesis
July 27, Monday	9	Lipids, and amino acids
July 29, Wednesday	10	Metabolic integration and review for the final
July 31, Friday		Final exam

Course Summary:

Date	Details
Mon Jun 29, 2020	Calendar Event BIBC 102 - Metabolic Biochemistry - Zhao [S120]

Date	Details	
Wed Jul 1, 2020	Calendar Event BIBC 102 - Metabolic Biochemistry - Zhao [S120]	2p
Thu Jul 2, 2020	Calendar Event Yunde office hour- Zhao [S120]	3p
Mon Jul 6, 2020	Calendar Event BIBC 102 - Metabolic Biochemistry - Zhao [S120]	2p
Tue Jul 7, 2020	Assignment Test the site for upload assignments	du
Wed Jul 8, 2020	Calendar Event Filipe's Office Hours	12
	Calendar Event BIBC 102 - Metabolic Biochemistry - Zhao [S120]	2p
Thu Jul 9, 2020	Calendar Event BIBC102 Discussion	1p
	Calendar Event BIBC102 Discussion	2p
	Calendar Event Yunde office hour- Zhao [S120]	3p
Fri Jul 10, 2020	Assignment Problem Set 1	du
Sun Jul 12, 2020	Assignment S2020 week 1 Quiz	du
Mon Jul 13, 2020	Calendar Event BIBC 102 - Metabolic Biochemistry - Zhao [S120]	2p
Tue Jul 14, 2020	Calendar Event BIBC102 Discussion	1p

Date	Details	
	Calendar Event BIBC102 Discussion	1p
Wed Jul 15, 2020	Calendar Event Filipe's Office Hours	12
	Calendar Event BIBC 102 - Metabolic Biochemistry - Zhao [S120]	2p
Thu Jul 16, 2020	Calendar Event BIBC102 Discussion	1p
	Calendar Event BIBC102 Discussion	2p
Fri Jul 17, 2020	Calendar Event Yunde office hour- Zhao [S120]	3p
	Assignment Problem set 2	du
Sat Jul 18, 2020	Calendar Event Yunde & Filipe meeting- Zhao [S120]	1p
Sun Jul 19, 2020	Assignment S2020 Quiz #2	du
Mon Jul 20, 2020	Calendar Event BIBC 102 - Metabolic Biochemistry - Zhao [S120]	2p
Tue Jul 21, 2020	Calendar Event BIBC102 Discussion	1p
	Calendar Event BIBC102 Discussion	2p
Wed Jul 22, 2020	Calendar Event Filipe's Office Hours	12

Date	Details	
	Calendar Event BIBC 102 - Metabolic Biochemistry - Zhao [S120]	2p
	Calendar Event BIBC102 Discussion	1p
Thu Jul 23, 2020	Calendar Event BIBC102 Discussion	2p
	Calendar Event Yunde office hour- Zhao [S120]	3p
Fri Jul 24, 2020	Assignment Problem set 3	du
Sat Jul 25, 2020	Calendar Event TA- Metabolic Biochemistry - Zhao [S120]	12
Sun Jul 26, 2020	Assignment S2020 Quiz 3	du
Mon Jul 27, 2020	Calendar Event BIBC 102 - Metabolic Biochemistry - Zhao [S120]	2p
Tue Jul 28, 2020	Calendar Event BIBC102 Discussion	1p
	Calendar Event BIBC102 Discussion	2p
Wed Jul 29, 2020	Calendar Event Filipe's Office Hours	12
	Calendar Event BIBC 102 - Metabolic Biochemistry - Zhao [S120]	2p
Thu Jul 30, 2020	Calendar Event BIBC102 Discussion	1p

Date	Details	
	Calendar Event BIBC102 Discussion	2p
	Calendar Event Yunde office hour- Zhao [S120]	3p
	Calendar Event meeting with Marty and Ethan	10
Fri Jul 31, 2020	Assignment Summer 2020 BIBC102 final exam	du

Prev month Next month September 2020

Calendar

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
30 August 2020 Previous month	31 August 2020 Previous month	1 September 2020	2 September 2020	3 September 2020	4 September 2020	5 September 2020
6 September 2020	7 September 2020	8 September 2020	9 September 2020	10 September 2020	11 September 2020	12 September 2020
13 September 2020	14 September 2020	15 September 2020	16 September 2020	17 September 2020	18 September 2020	19 September 2020
20 September 2020	21 September 2020	22 September 2020	23 September 2020	24 September 2020 Today	25 September 2020	26 September 2020
27 September 2020	28 September 2020	29 September 2020	30 September 2020	1 October 2020 Next month	2 October 2020 Next month	3 October 2020 Next month
4 October 2020 Next month	5 October 2020 Next month	6 October 2020 Next month	7 October 2020 Next month	8 October 2020 Next month	9 October 2020 Next month	10 October 2020 Next month

Course assignments are not