

BIOCHEMISTRY I CHEM 4600/6600 Spring 2020

The university expand the deadline to withdraw and receive a “W” rather than “WF” for up to two classes until April 17. Students will be required to consult with advisors to ensure that their path to graduation stays on track and there are no financial aid implications. Details on the application of this process for students will be forthcoming. Please note that due to these unforeseen circumstances, all W grades for the Spring 2020 semester will be exempt from the institutional W limit of six in a student’s academic career.

Links to academic support services and help for technology challenges on www.gsu.edu/keeplearning .

Instructor: Dr. Jie Jiang

E-mail: jjiang2@gsu.edu

Email is the best way to communicate. While sending an email, write the name of the course, and then the subject. For example, “chem4600/6600”. Please use GSU email.

Lecture videos and notes and all other study materials will be uploaded on iCollege.

Lecture/Office Hours: Mondays 2:30 pm – 4:00pm
Wednesdays 2:30 pm – 4:00 pm
Fridays: 2:30 pm – 4:00 pm

iCollege: All announcements and class notes will be posted on iCollege. All online quizzes will be posted on iCollege. Please check it often.

Exams Chem4600

Exam-3 and Exam-4 will be online. Please check iCollege for detailed information.

Final Exam (online): There will be a required comprehensive final exam worth **150** points (It will open on **May 1st at 1:30 pm and close on May 3rd midnight 11:59pm**). The final exam is mandatory, and it will not be dropped under any circumstance.

Quizzes Chem4600: Starting from March 30th, all quizzes will be online. Please check iCollege for detailed information.

Grade Calculation Chem4600:

1. Add up 3 highest exam grades, total points earned on quizzes, final exam grade.
2. Divide by 5 for %
3. Use scale to estimate grade

Semester Grade (out of 100) = (sum three best class exams + ten quiz points + final exam) / 5

A+ : 97%-100% ; A: 90%-96%; A-: 87%-89% ; B+: 84%-86%; B: 80%-83%;

B-: 76%-79%; C+: 71%-75%; C: 65% -70%; C- : 59%-64%; D: 50%-58% F: <50%

Graduate CHEM 6600: There will be four class exams worth **120** points each. The lowest exam grade will be dropped. There will be a required comprehensive final exam worth **190** points. This exam will have additional questions on top of the questions for Chem4600.

Quizzes CHEM 6600: Quizzes will collectively be worth **50** points (same as Chem4600).

Grade Calculation 6600:

1. Add up 3 highest exam grades, total points earned on quizzes, final exam grade.
2. Divide by 6 for %
3. Use scale to estimate grade

Semester Grade = (sum 3 best class exams + quiz points + final exam) / 6

A+ : 97%-100% ; A: 90%-96%; A-: 87%-89% ; B+: 84%-86%; B: 80%-83%;

B-: 76%-79%; C+: 71%-75%; C: 65% -70%; C- : 59%-64%; D: 50%-58% F: <50%

TENTATIVE CLASS SCHEDULE (Subject to change)

Mar 2 – April 3	11.1- 11.2, 15.1- 15.4, 16.1 -16.4, 17.1 – 17.4	11.1- 11.2 carbohydrates structure and reactivity 15.1- 15.4 , reactions of metabolism and energy utilization by ATP/redox 16.1 -16.3 glycolysis reaction, mechanisms, and regulation, fermentation reaction, gluconeogenesis 17.1,17.2, 17.4 transition reaction and regulation, citric acid cycle reactions, mechanisms, and regulation
April 8th		Exam 3--Online
April 10 – April 24	13.1, 13.3, 18.1 –18.6, 21.1,introduction 12.1 22.1 – 22.2,	13.1,13.3- The transport of molecules across a membrane 18.1 – 18.6 biochemical oxidation-reduction reactions (redox review), electron transport chain, oxidative phosphorylation, regulation, membrane transport and shuttles 21.1 glycogen breakdown & regulation, glycogen synthesis and regulation 12.1 types of lipids 22.1 – 22.2 fatty acid catabolism,
April 27		Exam 4-- online
May 1st		Final Exam 1:30pm-4:00pm (open from 1:30 on May 1st and close at midnight—11:59pm on May 3rd)