

Spring 2020

CHEM 673-102: Biochemistry (Revised for Remote Learning)

Yongick Kim

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Chemistry: Chem 673
Spring 2020 Course
Syllabus

NJIT Academic Integrity Code: All Students should be aware that the Department of Chemistry & Environmental Science (CES) takes the University Code on Academic Integrity at NJIT very seriously and enforces it strictly. This means that there must not be any forms of plagiarism, i.e., copying of homework, class projects, or lab assignments, or any form of cheating in quizzes and exams. Under the University Code on Academic Integrity, students are obligated to report any such activities to the Instructor.

COURSE INFORMATION

Course Description: This course will offer the basic principles of biochemistry.

Number of Credits: 3

Prerequisites: undergraduate organic chemistry, or suitable background in these subjects.

Course-Section and Instructors

| Course-Section | Instructor |
|----------------|------------|
| 102 | Yong Kim |
| | |

Office Hours: Mon and Tue from 10:00-11:00 or by appointment

Required Textbook: Lehninger Principles of Biochemistry, Seventh Edition, David L. Nelson, Michael M. Cox, W. H. Freeman and Company, NY, ISBN 978-1-319-11768-9

POLICIES

All students must familiarize themselves with, and adhere to, all official university-wide student policies. CES takes these policies very seriously and enforces them strictly.

Student presentation: Students will present a high impact biochemistry related research paper in class (15~20 min presentation, 5~10 min Q&A). The impact factor of the journal should be higher than 6. If you published a biochemistry related research paper, it can be used for your presentation. The research paper should be approved by the instructor before presentation. The date of the presentation will be assigned by the instructor.

Grading Policy: The final grade in this course will be determined as follows:

| | |
|----------------|-----|
| Midterm Exam I | 35% |
| Presentation | 30% |
| Final Exam | 35% |

Your final letter grade in this course will be based on the following tentative curve:

| | | | |
|----|------------|---|-----------|
| A | 100% - 90% | C | 74% - 70% |
| B+ | 89% - 85% | D | N/A |
| B | 84% - 80% | F | 69% - 0% |
| C+ | 79% - 75% | | |

Attendance Policy: Attendance at classes will be recorded and is **mandatory**. Each class is a learning experience that cannot be replicated through simply “getting the notes.”

Exams: There will be one midterm exam held in class during the semester and one comprehensive final exam. The following exam periods are tentative and therefore possibly subject to change:

| | |
|-------------------|------------|
| Midterm Exam I | 02/24/2020 |
| Final Exam Period | 05/11/2020 |

The final exam will test your knowledge of all the course material taught in the entire course.

Makeup Exam Policy: There will normally be **NO MAKE-UP EXAMS** during the semester. In the event that a student has a legitimate reason for missing a quiz or exam, the student should contact the Dean of Students office and present written verifiable proof of the reason for missing the exam, e.g., a doctor’s note, police report, court notice, etc. clearly stating the date AND time of the mitigating problem. The student must also notify the CES Department Office/Instructor that the exam will be missed so that appropriate steps can be taken to make up the grade.

Cellular Phones: All cellular phones and other electronic devices must be switched off during all class times. Such devices must be stowed in bags during exams or quizzes.

ADDITIONAL RESOURCES

Accommodation of Disabilities: Office of Accessibility Resources and Services (*formerly known as Disability Support Services*) offers long term and temporary accommodations for undergraduate, graduate and visiting students at NJIT.

If you are in need of accommodations due to a disability please contact Chantonette Lyles, Associate Director at the Office of Accessibility Resources and Services at **973-596-5417** or via email at lyles@njit.edu. The office is located in Fenster Hall Room 260. A Letter of Accommodation Eligibility from the Office of Accessibility Resources Services office authorizing your accommodations will be required.

For further information regarding self-identification, the submission of medical documentation and additional support services provided please visit the Accessibility Resources and Services (OARS) website at:

- <http://www5.njit.edu/studentssuccess/disability-support-services/>

Course Outline

| Lecture | Section | Topic | Assignment |
|---------|---------|---------------------------------------|------------|
| 1 | | (01/27) Week 1. Introduction | |
| 2 | | (02/03) Week 2. Chapter 1, 2 | |
| 3 | | (02/10) Week 3. Chapter 3, 4 | |
| 4 | | (02/17) Week 4. Chapter 5, 6 | |
| 5 | | (02/24) Week 5. Midterm Exam | |
| 6 | | (03/02) Week 6. Chapter 7, 8, 10 | |
| 7 | | (03/09) Week 7. Student presentation | |
| 8 | | (03/16) Week 8. Spring recess | |
| 9 | | (03/23) Week 9. Student presentation | |
| 10 | | (03/30) Week 10. Student presentation | |
| 11 | | (04/06) Week 11. Student presentation | |
| 12 | | (04/13) Week 12. Chapter 13, 14 | |
| 13 | | (04/20) Week 13. Chapter 14 | |
| 14 | | (04/27) Week 14. Chapter 14 | |
| 16 | | (05/04) Week 15. Chapter 14 | |
| 18 | | (05/11) Final Exam | |
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Updated by - 2019
Department of Chemistry & Environmental Sciences
