General Information

COURSE OBJECTIVE
The primary objective of this course is for students to learn the fundamentals of contemporary biochemistry, namely the structure and activity of the four major classes of biological macromolecules: nucleic acids, proteins, carbohydrates and lipids.

CLASS MEETINGS (Full Summer Session)
Tuesdays and Thursdays 2:00 – 3:45 pm Boggs 228

PREREQUISITES
CHEM 1315 (Survey of Organic Chemistry) or CHEM 2312 (Organic Chemistry II)
Must have earned a D or better.

TEXT
Essential Biochemistry, 2nd edition
By: Charlotte W. Pratt and Kathleen Cornely
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OTHER REQUIREMENTS
Personal Response System Unit (Radio frequency)
Each student must bring his/her own PRS unit to each lecture. PRS units may not be shared since the serial ID and GT ID number are matched. Class participation credit will be monitored using feedback collected from the PRS units. PRS units may be purchased from the Georgia Tech Barnes and Noble Bookstore.

HONOR CODE
All students are expected to follow the Georgia Tech Honor Code.
http://honor.gatech.edu/dev/index.php

PLAGIARISM
Using the words of another as one's own is known as plagiarism. Plagiarism is inappropriate in this course and in all other situations, and constitutes a violation of the Georgia Tech Honor Code. Students should even avoid the use of quotations in their own writing to develop mature independent thought and technical writing skills.

Students are strongly encouraged to study in groups, but in class and homework assignments should be performed independently. Any incidence of cheating will be reported to the Office of Student Integrity.

ATTENDANCE
Students are expected to attend all lectures and report to class on time. Attendance is mandatory for quizzes and the final examination.
Grading

The overall grading scheme for this course is as follows:

- 10% - Class Participation (via PRS)
- 30% - Homework
- 30% - Examinations (3 @ 10% each)
- 30% - Final Examination

See Grace Policy

Class Participation
Students are expected to bring their own PRS unit to each class and participate in answering PRS questions over the course of the term. PRS questions might not be offered during each lecture period, but they will be offered regularly. If a student forgets to bring his/her PRS unit, the instructor will not manually enter hand-written responses to questions from the student who attended class! Incorrect responses will earn students partial credit as participation, but correct responses will result in full credit for the question.

Homework
Students will be given homework assignments during the course of the term. Homework will be posted on T-Square in the ASSIGNMENTS link and will be due in hardcopy only at the beginning of lecture. Electronic submissions will not be accepted unless otherwise specified and no late homework will be accepted. Homework should also be stapled! Unstapled homework will not be accepted. Students are strongly encouraged to study together in groups but are expected to complete their homework independently.

Examinations
Three 50-min examinations will be given throughout the term and each will be closed book. There will be no opportunity for make-up examination. Students who fail to attend class on a day when an exam is given will earn a grade of “0” on that exam. Students may use a standard calculator, but calculators may not be shared. See Final Examination Grace Policy.

Final Examination
The tentative schedule for the final examination is [insert schedule]. Students may use a standard calculator, but calculators may not be shared.

The final examination is mandatory, comprehensive, and closed book. Students who fail to attend the final examination will earn an automatic grade of “0” on the Final Examination. If a student can provide satisfactory written documentation for the absence during the Final Examination (doctor’s note due to unexpected illness, death in the family, note from the Dean of Student’s Office, etc.), then the student may be issued a tentative grade of “Incomplete” until an appropriate time to complete the Final Examination can be coordinated. The instructor will decide what written documentation is satisfactory. Students who earn an Incomplete (for any reason) must complete the required course work within the following semester.
Final Examination Grace Policy

To motivate students to continually study and learn biochemistry, a “grace” policy will be implemented for the Final Examination. The final examination will be written in parts corresponding to Exam #1, #2 #3, and any remaining content. Each section will be scored individually.

If a student’s grade for final exam questions corresponding to Exam #1 is higher than his/her Exam #1 score, then the Exam #1 score will be replaced with the higher grade to reward the student for improvement. The same principle will apply to sections corresponding to Exam #2 and Exam #3.

If a student’s grade for final exam questions corresponding to Exam #1 is equal to or lower than his/her Exam #1 score, then no grade replacement will be made. The same principle will apply to sections corresponding to Exam #2 and Exam #3.

Students who missed Exam #1, #2, or #3 for any reason will still be allowed to replace their “0” with the corresponding grace policy grade from the final exam. This offers students the flexibility to avoid the need for a make-up exam within the term and to complete recover from any exam conflicts that may arise throughout the summer term.

Scoring
Final letter grades will be issued according to the following delineation:

- **A** 90 – 100
- **B** 80 – 89
- **C** 70 – 79
- **D** 60 – 69
- **F** <60

Auditing
Students who wish to audit the course must attend at least 70% of the course lectures (i.e. 16 out of 22) and will earn a grade of “V” in the class at the end of the term.

Students who audit:

- Must inform the instructor face-to-face of their attendance in each class for accounting purposes
- May but are not required to participate in PRS exercises
- May but are not required to submit any homework assignments
- May but are not required to take any quizzes or the final examination
- Must comply with the Georgia Tech Honor Code, participating in the course with honor and integrity