Northeastern University
Chemical Engineering Department
CHE U630 Biochemical Engineering Fundamentals
Spring 2004

Course Information

Instructor:	Dr. Carolyn Lee-Parsons Office: 449 Snell Engg Phone: (617)-373-3634 E-mail: clee@coe.neu.edu Course Website: www.coe.neu.edu/~clee
Teaching Assistant:	Ms. Shannon Ingraham Office: 6 Mugar Hall Phone: (617)-373-3074 E-mail: ingraham.s@neu.edu
Class Time:	Mon & Wed: 2:50-4:30 PM 321 Hayden
Office Hours:	Prof. Lee-Parsons' Office Hours: 449 Snell Engg Ms. Ingraham's Office Hours: 6 Mugar Hall
Text	Bioprocess Engineering: Basic Concepts; Second Edition by Michael L. Shuler and Fikret Kargi Prentice Hall, 2002
Course Philosophy	Course goal: To provide an overview of the fascinating field of biotechnology and the role of a chemical engineer in bringing about this technology. (See Introduction to the Course.) Your role: Doing well in this course requires a very important person: YOU! Only you can bring about the biochemical changes in your brain cells associated with learning! Your active participation in class lecture and class activities, reading and thinking about the material in the textbook, and thinking and applying the concepts when doing homework problems are all essential in gaining the knowledge, experience, and skills in this course. My role: It is my delight and responsibility to find the best way to convey the concepts and skills to you! The "best way" to me means a way that is fun, interesting, and easy to understand, hopefully avoiding the pitfalls to understanding. I am most interested in helping you understand and apply the concepts in this course. As a result, I have designed the course, the lectures and the class activities, and the web page to stimulate your learning and to provide hints just in case you get stuck. I am always open to hearing ways to help you learn. Class Environment: My own experiences as a learner and a teacher taught me the importance of a learning environment which focuses on and encourages growth and learning. Please feel free to ask questions and please also respect the questions of other classmates.
Grading	The course grade is composed of: Homeworks / Mini-Projects 35% Midterm Exam 30% Final Exam 35%

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<tr><td></td><td>If the course average for the class is less than 75%, the professor may curve the grading scale up. Otherwise, normal grading scale will be used:

<table><tr><td>A 95%</td><td>B+ 86.6%</td><td>C+ 76.6%</td><td>D+ 66.6%</td></tr><tr><td>A- 90%</td><td>B 83.3%</td><td>C 73.3%</td><td>D 63.3%</td></tr><tr><td></td><td>B- 80%</td><td>C- 70%</td><td>D- 60%</td></tr></table></td></tr>
<tr><td>Policies</td><td>Homework: Homework is due approximately 1 – 1.5 weeks after they are assigned (see Course Syllabus for due date). There are 6 HW assignments and 2 mini-projects. Each homework assignment will consist of approximately 3-4 problems, some of the problems we will have worked on in class already. Homework should demonstrate the problem-solving path as well as the answers. Homework assignments will be graded the teaching assistant. Projects will be graded by the professor.

Group effort on HW: is encouraged as long as each group member is participating in the learning and the problem-solving. Each individual will turn in his/her own homework for an individual grade.

Due Date: Homework / projects are due at the beginning of the class period. Homework / projects turned in after the class will incur a 20% deduction. Homework / projects received by 5 PM the following weekday will not be graded unless prior arrangements have been made with the professor.

Exams: will be in-class and will consist of a short answer section and a calculations section. One sheet of notes with formulas, etc. can be used during the calculations section of the exam. Exams will be graded by the professor.

Class Attendance: is strong encouraged and students are responsible for all material covered and assignments made. The lectures and in-class activities are critical to understanding and applying the concepts and skills in the course.

Honor Code: will be followed and enforced. Northeastern University's Academic Honesty Statement is "Northeastern University is committed to the principles of intellectual honesty and integrity. All members of the Northeastern community are expected to maintain complete honesty in all academic work presenting only what is their own work in tests and assignments. If you have questions regarding proper attribution of the work of others, contact your professor prior to submitting the work for evaluation."</td></tr>
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