Chemical Engineering 120- Spring 2000
Tuesday & Thursday 4:00-5:15 in LGRT 201

Wm. C. Conner, Prof.
Office: Goessmann 112F
Help Session: Friday 3:30AM, LGRT 201
honors: Friday 9AM
Office Hours: Wednesday & Friday 1:30-2:30 or by appointment
Phone: 545-0316 office; 367-2182 (home- for emergencies)
wconner@ecs.umass.edu
CHE120@robinfood.org home

TEACHING ASSISTANTS:
Stephanie Raimondeau: sraimond@athena.ecs.umass.edu ; phone: 577-0136; 214 Goessmann
Ivan Rodriguez: irodrigu@ecs.umass.edu ; phone: 577-0137 ; 155 Goessmann

TA Office hours Monday 1:15-2:30 or 4:00-5:00

Text: Felder & Rousseau
Elemental Principles of Chemical Processes

COURSE REQUIREMENTS

Homework ~10 assignments comprising ~50 Problems
You can work together on homework... but be careful.

Three Hourly Exams (see class schedule) will be returned

One Computer-based Problem to be defined.
You cannot work together on Computer Problem.

Written projects (one Computer Program description/manual). You cannot
work together on this project.

Final Exam (will not be handed back)

Quizes/Projects in Class: Normally graded by another student or anomamous

One Semester-Long Project: Web Page: What is Chemical Engineering?
One 8x10 piece of paper (written on both sides) allowed into the first exam, two for second and three for third & final.

Exams are Scheduled. Typically there will be three to four problems on each hourly exam. You will be permitted one and a half hours to complete each hour exam.

**GRADING**

<table>
<thead>
<tr>
<th>Grade going into Final</th>
<th>0.65(3 Exams) + 0.25(Homework)+ 0.1(projects)</th>
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<td>but, if only one exam poor then = 0.50(2 Exams) + 0.35(Homework) + 0.15(projects)</td>
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<td>Exempt from Final for students with A (95+) or AB (90%) going into the final.</td>
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Final Exam worth up to 20- 33% of Final Grade in conjunction with above
i.e., Grade going into final (as above) x (0.8 or 0.67) + Final x(0.2 or 0.33)= **Final Grade**
Professor’s Opinion (consulting with the TA) can modify grade by up to 10 % (±)

*There is no curving of Grades in this Course.*

Class notes will be available on the web and sometimes handed out before class.
HOMEWORK PRESENTATION

To ensure that the TAs can follow your work and give credit where credit is due, please adhere to the following guidelines. To enforce these guidelines, the TAs will take off up to 20 points for violations.

1. Do not use paper from a spiral notebook. Use regular notebook, engineering, graph, or typing paper.

2. Start each problem on a new page.

3. Write legibly. TAs can not grade what they can not read.

4. State all assumptions clearly.

5. Don't pull equations out of thin air. Indicate if they come from the notes or text. If they come from the text, include the equation number.

6. Indicate the source of any additional information you use (e.g. the steam tables in App. C or critical constants from App. B).

7. Show and explain your work. You can't overexplain what you are doing.

8. Write out and manipulate your equations symbolically, then clearly substitute numerical values and calculate.

9. Clearly indicate what subscripts mean. If they refer to steps in a process or streams in a flow sheet, draw and label the process or flow sheet.

10. Never write down a value without a unit.

11. Check that the units are appropriate for the quantity (e.g., power in BTU/s or kW or hp).

12. Box answers to problems.

13. Staple problems in order.