

ManuTech III

- Process Control - Introduction
- Syllabus
 - Crystal Structures
 - Flowsheeting, Flow Diagrams
 - Material and Energy Balances
 - Unit operations
 - Heat exchangers
 - Distillation columns

Class Schedule



- Two lectures with Adrienne
- Two lectures with me:
 - Thursdays 11:00 – room TN-302
 - Thursdays 12:00 – room 052

TextBooks

- **Analysis, Synthesis, and Design of Chemical Processes, Second Edition, by Richard Turton**
- **Chemical Engineering Computing by Finlayson**
- **Product and Process Design Principles, Second Edition, by Seider, Seader, & Lewin**
- **Process Dynamics and Control, Second Edition, by Seborg, Edgar, & Mellichamp**
- **Process Control, by Bequette**
- **Chemical Process Equipment, Couper, Penney, Fair & Walas**
- **Materials Science and Engineering, Callister**
- **Materials Science for Engineers, Shackelford**
- **Books expensive, but look on books.google**



Assessment

- May Exam – 70%
 - Common paper for Adrienne and me
- Midterm – 30%
 - Across Adrienne's part of course
 - And for Process Technology
 - Series of online quizzes
 - One every week
 - Open on Fridays, last for seven days
 - Best of three attempts
 - Based on weeks work

Brightspace

- Brightspace site contains:
 - Course announcements
 - Lecture notes
 - Past papers
 - Tutorial Sheets
 - CA Quizzes
- Same brightspace site for both Adrienne and Eugene