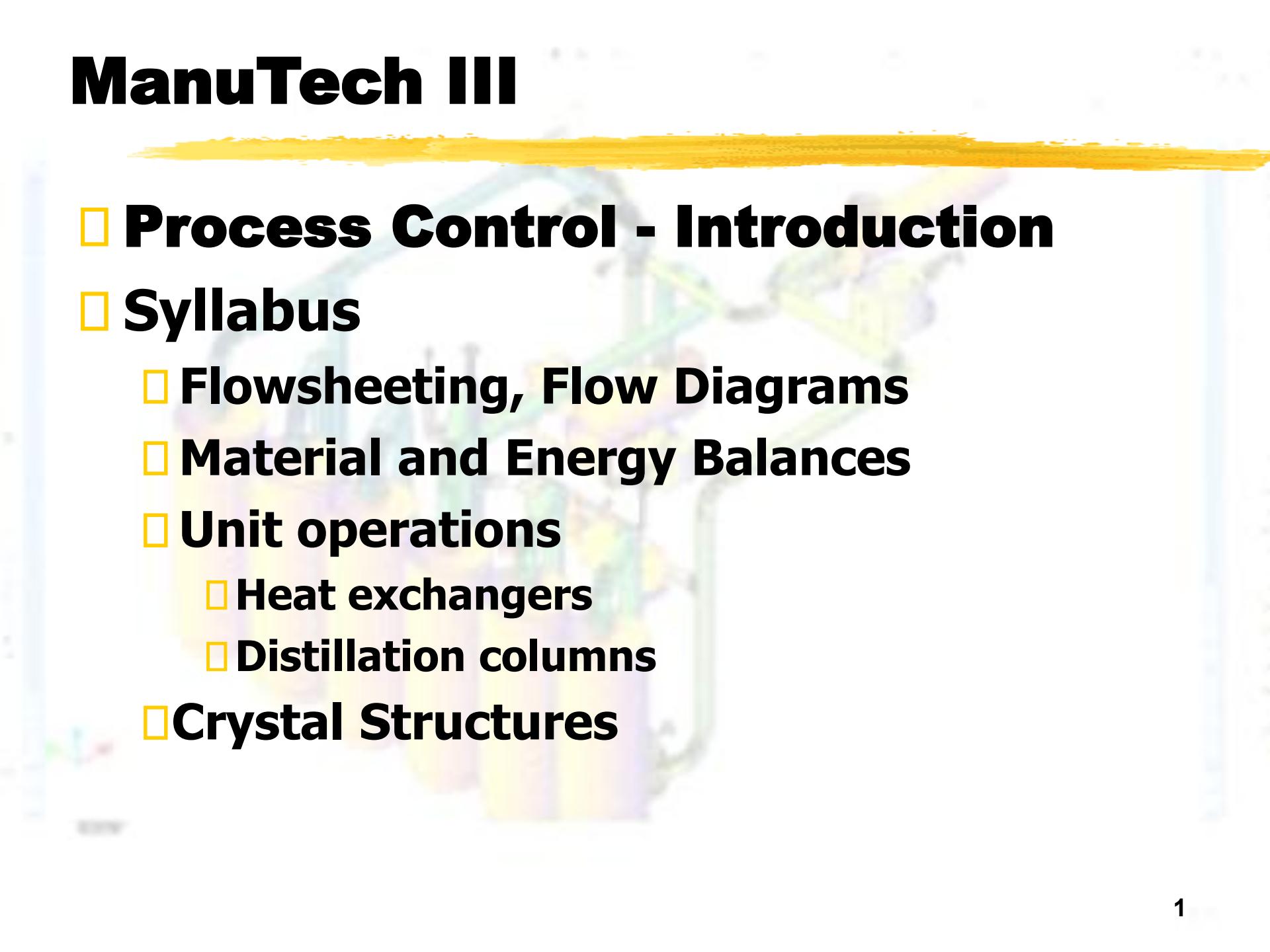


ManuTech III



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

Class Schedule



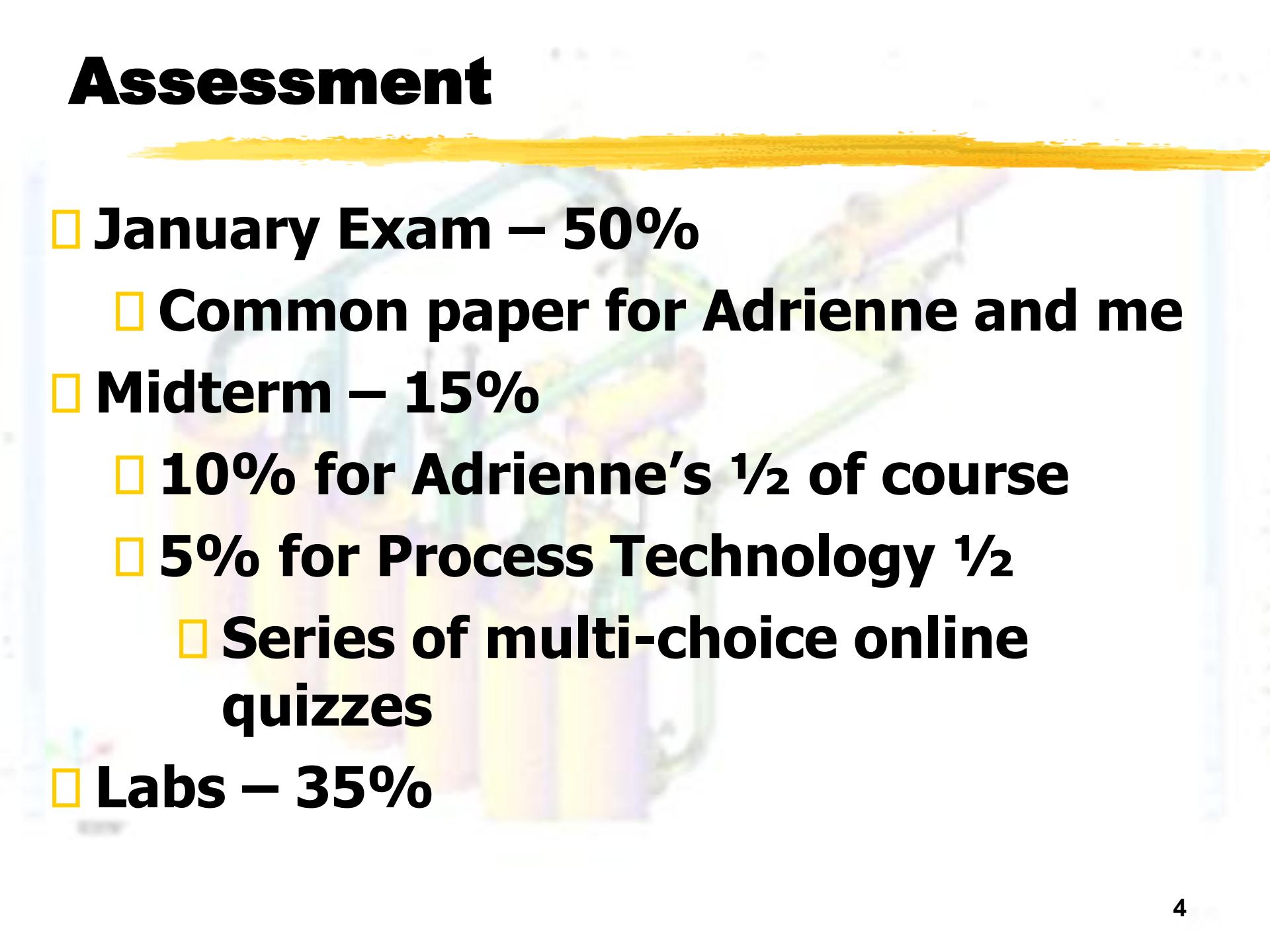
- Two lectures with Adrienne
- Two hours a week with me:
 - Monday 12:00 room room 144
 - Tuesday 14:00 room 142
 - Have tutorial ~ once every two weeks
- Labs Tuesday 10:00 room 116

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



- **January Exam – 50%**
 - **Common paper for Adrienne and me**
- **Midterm – 15%**
 - **10% for Adrienne's $\frac{1}{2}$ of course**
 - **5% for Process Technology $\frac{1}{2}$**
 - **Series of multi-choice online quizzes**
- **Labs – 35%**

Brightspace

- You're enrolled already

Brightspace

- brightspace site contains:
 - Course announcements
 - Lecture notes
 - Past papers
 - Tutorial Sheets
 - CA Quizzes
 - Upload points for lab write-ups
- Same brightspace site for both Adrienne and Eugene