

A First Course on Kinetics and Reaction Engineering

Unit 39. Lesson Plan

Before Class

- Provide the redacted slides to the students
- Tell the students to print the worksheet for Activity 39.1 and bring it to class
- Tell the students to print the equations from Unit 17 or, preferably, the AFCoKaRE Exam Handout and bring it to class

During Class

- Introduce today's topic and where it fits in the course
 - Slides 1 and 2
- Review of Unit 39 (5 minutes)
 - Slide 3
- Answer any questions, slide 4
- Learning Activity 39.1 (~40 minutes)
 - Slide 5 - Read through the problem statement
 - Slide 6 - Go through the analysis; have the class work on the problem individually, in groups, etc.
 - Slides 7 through 16 - Read the question/task, give them time to think about it and ask questions, after some time, show the answer or call on students until the correct answer is given, then go to the next slide
- Summary
 - Slide 17: Put the material covered in this class into the overall context of the course.

After Class

- Make the complete slides available to the students.
- Optionally assign the completion of the problem as homework.