

ChemE 3900 - Chemical Kinetics & Reactor Design - Spring 2021

Instructors: T. M. Duncan 352 Olin Hall tmd10@cornell.edu
In lieu of office hours, send questions by email

Teaching Assistants: Office Hours: Monday, 7-9 p.m.

Apoorva Agarwal	aa992@cornell.edu
Max Graham	mbg224@cornell.edu
Drew Lazarow	dal323@cornell.edu
Sarah Paquin	smp339@cornell.edu

Text: *Chemical Reaction Engineering*, 3rd edition, O. Levenspiel, Wiley, 1999.

Supplementary Texts: *Physical Chemistry - A Molecular Approach*, D. A. McQuarrie and J. D. Simon, University Science Books, 1997.

Introduction to Chemical Engineering Kinetics & Reactor Design, 2nd edition, C. G. Hill and T. W. Root, Wiley 2014,

The Engineering of Chemical Reactions, 2nd edition, L. D. Schmidt, Oxford University Press, 2004.

Physical Chemistry, 7th edition, P. W. Atkins and J. de Paula, Freeman, 2002.

Schedule: Lectures: Monday, Wednesday, and Friday, 9:05 - 9:55 a.m., 245 Olin Hall
Calculation Sessions: Thursday, 2:40 - 4:35 p.m. and 4:50-6:45 p.m., 245 Olin Hall

Homework: Homework assignments will be distributed Fridays. Homework solutions will not be submitted, but students are expected to complete the homework by Thursday's Calculation Session. Homework solutions will be posted at the course homepage.

Examinations: There will be two preliminary examinations:

Tuesday, April 6, 6:00 - 8:00 p.m.	245 Olin and B57+B78 Olin
Tuesday, May 4, 8:30 - 10:30 p.m.	245 Olin and B57+B78 Olin

No make-up exams are scheduled. A student that misses an exam without an official university excuse or medical excuse will be penalized. A student excused from a preliminary exam will take a make-up exam during the last session of final exams, Tuesday, May 25, 1:30-4:00 p.m.

Final Exam: Saturday, May 22, 1:30-4:00 p.m. 245 Olin and B57+B78 Olin

Grading: The final grade will reflect performance on two preliminary exams and the final exam with the following weighting:

1 st Preliminary Examination	40%
2 nd Preliminary Examination	25%
Final Examination	35%

Course Homepage: <https://duncan.cbe.cornell.edu/cheme390/>

Academic Integrity: <http://theuniversityfaculty.cornell.edu/academic-integrity/guidelines-for-students/>

It is a violation of academic integrity to submit material that you did not create. It is a violation to be compensated for intellectual property you obtained from this course. For example, you are forbidden to trade course material for a subscription to CourseHero or StuDocu.

Inclusivity: We are committed to an inclusive and supportive learning environment in this course. Individual differences are recognized and respected. We will venerate all thoughtful questions and comments. We will endeavor to learn differences in teaching and learning styles and how these differences enhance team-based problem solving. We welcome suggestions to sustain and improve an inclusive and supportive environment.