

CHE 330 – Process Fluid Mechanics

Fall 2015

Classes: Mon, Wed & Fri, 9:00 AM – 9:55 AM, Buckhout 112

Course Website: www.angel.psu.edu

Instructor: Manish Kumar, manish.kumar@psu.edu, 155 Fenske Lab, 865-7519.
Please put CHE 330 in the subject line before the actual subject.
Office hours: (four options)
Walk in anytime available (door open and not in a meeting)
By Appointment
Tue 4-6 PM
Wed 3-4:30 PM

Teaching Assistants: Yuexiao Shen, yxs174@psu.edu
Ben Schantz, abs254@psu.edu
Wenlin Zhang, wwz5031@psu.edu

Grading: 3 Exams of equal weight 80%
Homework 20%

Grading Policy: **Grade cuts with no curve:** 90-100 % A-, A
80-89.9 % B-, B, B+
60-79.9 % C, C+
50-59.9 % D
<50 % F

Help Session: Conducted by TAs- Tutorial style problem solving
Yuexiao: Mon 6-8 PM, 101 Fenske
Ben: Thu 6-8 PM, 101 Fenske
Wenlin: Wed 6-8 PM, 101 Fenske

Required Text: The packet of notes is the only text required for the class. Additional notes may be handed out in class. Note that this packet of notes is not meant to be a textbook; its function is to complement the class lectures. You cannot miss a lecture or expect to find all of the material covered in the lecture in the note packet. All of the material that you are required to know for this class is presented in the class lectures and in the note packet. If you feel that you need additional explanations, the following textbooks are on reserve in the PAMS library.

1. Unit Operations of Chemical Engineering (7th edition)
McGraw Hill Chemical Engineering Series, by Warren McCabe, Julian Smith, Peter Harriott.

2. Introduction to Fluid Mechanics, Y. Nakayama and R.F. Boucher . ISBN: 978-0-340-67649-3 Also available online (<http://www.sciencedirect.com/science/book/9780340676493>) – freely downloadable on campus networks.

Homework: Homework solutions will be available on angel shortly after you hand in your homeworks. Each homework problem will be given a score of 3, 2, 1, or 0. Homework assignments are to be turned in at the beginning of class on Wednesdays (see Schedule below)

Homework and Exam Schedule

Sept. 2:	0-1, 0-2, 0-3, 0-4
Sept. 9:	1-2, S2, S4
Sept. 16:	1-1, 1-3, 1-4, 1-5, 1-6, S1, S3
Sept. 23:	2-1, 2-2, S-5, S-6
Sept. 30:	Practice Exam I-A, Practice Exam I-B
Sept. 30:	Evening Exam I
Oct. 7:	3-1, 3-2, S7
Oct. 14:	2-3, 2-4, S8, S8A, S8B
Oct. 21:	3-3, 4-1, S9
Oct. 28:	3-4, 3-5, 4-2, S10
Nov. 4:	Practice Exam II-A, Practice Exam II-B
Nov. 4:	Evening Exam II
Nov. 11:	4-3, 4-4, 4-5
Nov. 18:	S13, S14, 5-1, 5-2, 5-3
Dec. 2:	5-4, 5-5, S11, S12
Dec. 9:	Practice Exam III-A, Practice Exam III-B
Dec. 14-18:	Exam III (during Finals Week)

Exams: Evening Exams I and II will be held in a location different from class from 8:15 PM to 10:15 PM in 121 Sparks. The date, time, and place for Exam III will be announced by the registrar. You will be permitted to use your class notes, the packet of notes, and your homework assignments for the class only. No additional texts or other study aids will be permitted.

Open Fridays: On many Fridays (not all) we will focus on interactive work. We will focus on important equations and what they mean (including derivations if required), guest lectures, problem solving, tours, experimental work, or a discussion. As class progresses, you can also suggest activities or specific agenda items.

Academic Integrity: The University defines academic integrity as the pursuit of scholarly activity in an open, honest and responsible manner. All students should act with personal integrity, respect other students' dignity, rights and property, and help create and maintain an environment in which all can succeed

through the fruits of their efforts (refer to Senate Policy 49-20. Dishonesty of any kind will not be tolerated in this course. Dishonesty includes, but is not limited to, cheating, plagiarizing, fabricating information or citations, facilitating acts of academic dishonesty by others, having unauthorized possession of examinations, submitting work of another person or work previously used without informing the instructor, or tampering with the academic work of other students. Students who are found to be dishonest will receive academic sanctions and will be reported to the University's Office of Student Conduct for possible further disciplinary sanctions (refer to Senate Policy G-9).

Disability Statement: Penn State welcomes students with disabilities into the University's educational programs. Every Penn State campus has an office for students with disabilities. The Office for Disability Services (ODS) Web site provides contact information for every Penn State campus: <http://equity.psu.edu/ods/dcl>. For further information, please visit the Office for Disability Services Web site: <http://equity.psu.edu/ods>.

In order to receive consideration for reasonable accommodations, you must contact the appropriate disability services office at the campus where you are officially enrolled, participate in an intake interview, and provide documentation: <http://equity.psu.edu/ods/guidelines>. If the documentation supports your request for reasonable accommodations, your campus's disability services office will provide you with an accommodation letter. Please share this letter with your instructors and discuss the accommodations with them as early in your courses as possible. You must follow this process for every semester that you request accommodations.