

## CH EN 5253-001 ChE Design II

**Meets: M,W,F 8:35 AM - 9:25 AM WEB L105**

**Help Session: ICC Friday 10-12 AM ???**

### **Prof. Terry A. Ring**

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Office Hours: M 10:00pm - 12:00pm or by appointment

### **Dr. Palash Panja**

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### **TAs**

#### **Jebin Elias**

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Office Hours:

### **Catalogue Course Description**

#### **CHEN 5253 Process Design II (3)**

**Prerequisite: CHFEN 4253 and 4903, Major standing.**

Computer-aided process design and simulation; solution of complex recycle processes and modeling of process equipment. Comprehensive design project leading to preparation of a process design and economic evaluation report.

**Course Website:** [www.che.utah.edu/~ring](http://www.che.utah.edu/~ring) and Canvas

### **Book**

Required (see files in Canvas for a copy) :

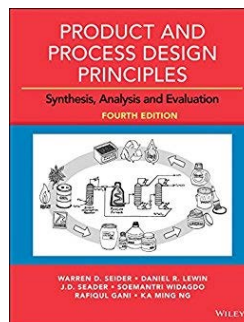
Seider, W.D., Lewin, D.R., Seader, J.D., Widagdo, S., Gani, R., Ng, K.M.

Product and Process Design Principles, 4th ed. (2017)

Note: Earlier editions are not acceptable since they are too different.

ISBN 978-1-119-28263-1

About \$125 (paperback) or about \$60 (eBook). Any format is



fine.

Available at [Amazon](#), other online sellers and the UofU Bookstore

[Student Companion Site](#) for Seider's Product and Process Design Principles book

Required:

Green, D.W. and Perry, R.H.

**Perry's Chemical Engineers' Handbook**, eighth ed.

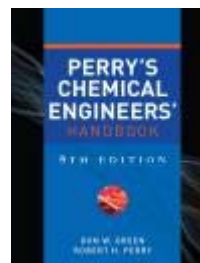
(2008)

Note: Earlier editions are okay, but the information is not as up-to-date.

ISBN 978-0-07-142294-9

About \$120 at [Amazon](#).

...or read online free via the Marriott Library and [eBook Central](#).



**Grading**

No Final Exam (only a final Design Report)

Homework

Weekly Design Reports (Submit via Canvas)	50%
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Comprehensive Design Report

Written Report of Comprehensive Design Project (a group or individual assignment as you choose)	50%
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(The comprehensive design report can be a team activity.)

Homework must be uploaded and submitted by **11:59 PM** on the day it is due. The policy for homework turned in late is as follows:

Turned in the day after it is due:      minus 50% of the grade

Turned in more than one day late:      no credit

Students should be able to independently set up, solve, and explain solutions to all problems. Students are encouraged to discuss with other students about how to approach and solve the homework problems and develop process models. Although collaboration is encouraged, each student must perform his/her own work and submit a unique, individual memo report. No points will be given to students whose assignment submissions mirror those of other students. Aspen records the user's ID and we are checking this.

**Addressing Sexual Misconduct**

Title IX makes it clear that violence and harassment based on sex and gender (which includes sexual orientation and gender identity/expression) is a Civil Rights offense subject to the same kinds of accountability and the same kinds of support applied to

offenses against other protected categories such as race, national origin, color, religion, age, status as a person with a disability, veteran's status or genetic information. If you or someone you know has been harassed or assaulted, you are encouraged to report it to the Title IX Coordinator in the Office of Equal Opportunity and Affirmative Action, 135 Park Building, 801-581-8365, or the Office of the Dean of Students, 270 Union Building, 801-581-7066. For support and confidential consultation, contact the Center for Student Wellness, 426 SSB, 801-581-7776. To report to the police, contact the Department of Public Safety, 801-585-2677(COPS).

### **Accommodations Policy**

Some of the writings, lectures or presentations in this course may include material that conflicts with the core beliefs of individuals. Please review this syllabus carefully to see if this course is one that you are committed to taking. If you have a concern, please discuss it with the instructor at your earliest convenience.

### **Academic Policies and Deadlines**

Academic policies and guidelines from the College of Engineering, which include information about [withdrawal procedures](#) and safety are available online at the [College of Engineering Academic Affairs web page](#).