

BLUF: Follow the checklist below.

- (1) familiarize yourself with web site materials,
 - (2) read the Standing Instructions for Students (SIS),
 - (3) prepare for CHEMCAD inspection (laptop and desktop),
 - (4) prepare for textbook inspection,
 - (5) read the Lesson 1 material,
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Hello, welcome back to West Point, and welcome to CH402 Chemical Engineering Process Design.

I am very excited to be working with you again, and I hope you will find CH402 to be as interesting as I do. Just like last semester, the course has a CANVAS site repositories for your electronic submissions. To get things off to a smooth start, some logistical items must be ironed out before class. Each is described below. Please read this email carefully and follow the instructions and due dates closely.

1. WEB SITE:

<https://westpoint.instructure.com/>

Please verify that this link works, bookmark it, and write it down in your notebook so that you have it during class.

2. STANDING INSTRUCTIONS FOR STUDENTS (SIS)

Suspense: Wednesday 7 JAN 2026 start of class. Read the SIS carefully. I will be closely following the policies described there.

3. CHEMCAD INSPECTION

Suspense: Wednesday 7 JAN 2026 start of class.

We will be making heavy use of CHEMCAD this semester. Please make sure CHEMCAD is installed and licensed and licensed on your personal laptop computer. Licensing is obtained from a SuperProNet license server at wpwkdmchemeng2. The procedure for accessing the license server is posted in Canvas Resources. If you need to re-install CHEMCAD, the installation file is also in Resources.

The inspection on lesson 1 is to verify that you have a working version of CHEMCAD on your Dell laptop. For this inspection, please also open CHEMCAD on your assigned lab PC and have that ready for inspection as well.

You will also need to update the Chemical Engineering Plant Cost Index in CHEMCAD. The database file is in Canvas Home in the Resources Quick Access link (Software item #4). Download this file and copy and paste it (do not drag and drop) to C:\Program Files (x86)\Chemstations\CHEMCAD NXT. This will replace the existing file with cost indices up to December 2025. I will be updating this file about once a month throughout the semester.

4. TEXTBOOK INSPECTION

Suspense: Wednesday 7 JAN 2026 start of class.

The textbook is required for this course, and I recommend that you bring it to class each day. We will be using "Plant Design and Economics for Chemical Engineers, 5th edition, by Peters, Timmerhaus, and West. You should already have a copy from last semester since it was required in CH459. You may use print or electronic versions. If you rent the book, make sure you have access to it through TEE week.

5. ADDITIONAL LESSON 1 MATERIAL

Suspense: Wednesday 7 JAN 2026 start of class.

Since Peters and Timmerhaus is a design textbook, equations are presented without derivation. For example, Lessons 1 and 2 make heavy use of the mechanical energy balance derived in CH365 (lesson 7). As in CH365, I will post important notes in CANVAS to help you prepare for class. Please review these notes prior to class.

Please let me know if there are any questions.

See you in class!

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