BLUF: (1) familiarize yourself with the course web site, (2) read the SIS, (3) perform the SharePoint access check, (4) prepare for CHEMCAD inspection, (5) prepare for textbook inspection, (6) Adobe Acrobat, (7) Additional Lesson 1 review material, (8) Suspense as listed below.

Tuesday's lab: C-Hour will be meeting during lab on Tuesday 10 January in Bartlett 331, and CHEMCAD and Adobe Acrobat will be required for the exercise.

Hello, welcome back to West Point, and welcome to CH402.

I am very excited to be working with you again. I hope you find chemical engineering process design to be as interesting as I do. Just like last semester, the course has a web site on SharePoint and there is a SharePoint repository for your work. 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://usarmywestpoint.sharepoint.com/sites/cls.ch402/Main%20Page/default.aspx

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

2. STANDING INSTRUCTIONS FOR STUDENTS
(S: Wednesday 11 JAN 2023 start of class, Tuesday 10 JAN for C-Hour.) Read the Standing Instructions for Students (SIS). I will be closely following the policies described there.

3. SHAREPOINT ACCESS CHECK
(S: Wednesday 11 JAN 2023 start of class, Tuesday 10 JAN for C-Hour):

The SharePoint directory for your electronic work is linked in the "Course Admin" section of the web page at the "SharePoint Directory" location. This storage space is set aside for you to make electronic submissions of assignments and to store electronic files and notes from lectures and projects. I have set the site access permissions for you to have full control. However, SharePoint is still somewhat of an enigma to me, and I have had problems with setting site permissions in the past, so I need to verify that I have set your permissions correctly. Please do the following assignment as soon as possible:

1. Go to the course site.
2. Find and click the link "SharePoint Directory." This will open up a window with a list of folders.
3. Find the folder with your name and click it.
4. Open up the word document that you find there, called "Hello from CH402."
5. Make a change to the file such as "Hello, Dr. Biaglow" and save the file.
6. Please complete this task by the start of class. I will check the date and time stamp to verify.
7. If you experience any difficulties or cannot access or save the file, please send me an email.

4. CHEMCAD INSPECTION
(S: Wednesday 11 JAN 2023 start of class, Tuesday 10 JAN for C-Hour):

We will be making heavy use of CHEMCAD this semester. Please make sure CHEMCAD is installed and licensed on your laptop so that you can work on assignments outside of class. You will need to obtain authorization to use the software. There are two ways to obtain this: (1) with a license key, and (2) with the network license server.

License key: You should already have a stand-alone license key from last semester. If you do not, please follow this procedure: Open CHEMCAD. The system opens to a blank white workspace. In the main menu, click File -> Close. Then click License -> Licensing, then click Setup, then "System Authorization." Copy and paste the "System key" into an email to me along with your computer name. I will respond to you with a "User license key."

Network License Server: The network license server is located at USMAWKDMCHEMNG. The procedure for accessing the network license server is like the procedure for obtaining a license key. Open CHEMCAD to the blank white workspace. In the main menu, click File -> Close. Then click License -> Licensing, then click Setup, then Add/remove servers. Under "Select server type," choose SuperProNet, then type the name of the server given above. This should give you access to the software. If you cannot access the server, open a CMD window and type "ping usmawkdmchemng" at the prompt and let me know the results.

If you need to re-install CHEMCAD, the installation file is in the SharePoint directory under "CHEMCAD_install" and is named "CHEMCAD_8.1.0.16649_Setup_U.bak." Download that file to your computer, rename it to "CHEMCAD_8.1.0.16649_Setup_U.exe," and run it.

The inspection on lesson 1 is to verify that you have a working copy on your laptop. Please also open CHEMCAD on your assigned lab PC and have that ready for inspection as well.

5. TEXTBOOK INSPECTION
(S: Wednesday 11 JAN 2023 start of class):

Textbooks are mandatory 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. There will be a textbook inspection on 11 January to verify that you have access to the book. You may use print or electronic versions. If you rent the book, please make absolutely sure that you have access to it through TEE week.

6. ADOBE ACROBAT PRO
(S: Wednesday 11 JAN 2023 start of class, Tuesday 10 JAN for C-Hour):

We will be making heavy use of Adobe Acrobat Pro this semester. The license may be expiring on your system. If that is the case, go to the Company Portal and download and install the "Adobe Acrobat Pro License Updater" and re-start your computer.

7. ADDITIONAL LESSON 1 REVIEW MATERIAL
(S: Wednesday 11 JAN 2023 start of class, Tuesday 10 JAN for C-Hour):

The textbook by Peters and Timmerhaus is a design textbook, which means that results are usually presented without derivation. Lesson 1 makes heavy use of the mechanical energy balance discussed in CH365. Reviewing lesson 7 on the CH365 web site and pages 49-50 in the thermodynamics textbook on

pages 49-50 will help you prepare. The equation also appears on page 181 of the FE Reference Manual linked to the course web site. Reviewing this page will help you prepare for CH402 and CH400.

Please let me know if there are any questions.

See you in class!
Dr. Andrew Biaglow
Professor of Chemical Engineering
Course Director, CH402