

CS444 S26 Week1 Class#2 Lesson Plan

Announcements and tasks:

1. Get your **course directory** by accessing the cs website: <https://www.cs.umb.edu> and click upper right portal login.
2. **Find the class website: <https://www.cs.umb.edu/~hdeblois> and click 444.**
3. **Syllabus is reposted so take a look** – link to piazza fixed, snow days change inserted.
4. Join **piazza** – give your email. This let's us answer questions across all teams.
5. **Microphone and Recordings.** Instructors are always careful of student information per FERPA – Family Education Act and Privacy Rights. In this class I intend to wear the microphone and record the classes, because sometimes this information can be useful. Please tell me if I forget to turn it on! But I will not edit the recordings. Please be sure the mike is off before we start any informal post-class questions.
6. This class is about coding in C in the context of operating systems, which are in large part written in C. I need your help getting to know everyone's name.
7. **Reading:** Syllabus is four pages. Our two textbooks are Tanenbaum and Bos and Kernighan and Ritchie (K&R).
8. **Main topics:** introduction (this), the chapters in Tanenbaum and Bos, the grammar in K&R and some lectures on special topics, such as huffman codes.
9. **Handout** is crude_wc.c.
10. **Draw#1** is to practice abstractions. Please show a) your home computer system with ssh connection to umb.edu/cs.umb.edu if you have it and b) your laptop in class with ssh connection to umb.edu/cs.umb.edu. Do a birds-eye hardware diagram showing locations, machines, OS and connections to other. Half-page. Hand it in.
11. Then **access the CS server.** In your home directory use **emacs or nano** to type in crude_wc.c. Please do not use vscode. Please type "w" to see who is on the CS servers with you.
12. Last step: **write your c/g-h/s1.txt.** Hand write it. Put these 4 lines at the top:
filename: c/g-h/s1.txt
author: Give Your Full Name
cs username: <cs username>
Then put these 5 requirements with answers:
 1. Requirement 1: Access my CS website from your browser: <https://www.cs.umb.edu/~hdeblois>. Click on cs444. Scroll to the schedule. Type the last column of the schedule:
 2. Requirement 2: Identify your laptop: List your hardware and your OS:
 3. Requirement 3: Login to the CS server by typing an appropriate ssh command in a terminal window – ssh <cs username>@users.cs.umb.edu. Did your laptop prompt you for your cs password?
 4. Requirement 4: Type in your password (do not show it to anyone else and do not type it here). Did you get on the CS server and see the pe15 prompt? List the prompt.
 5. Requirement 5: Type "w" to see who is on the server. Do you see your cs username?.