If you are **not registered** for 2021 but want to be...

- Write on a piece of paper the following information
  1. Name, UMN Email address, Student ID Number
  2. Which Lecture and Lab section you want to register for
  3. 2-3 sentences about why you cannot enroll in 2021 sections that have space available (Lec 010 and labs)

- Give me that sheet of paper

- Wait and hope: very limited space + waitlists for full labs
Expectations

Kauffman can

▶ Provide guidance, entertainment, information, challenge
▶ Will do all of those in lecture, office hours, assignments, exams

Kauffman cannot

▶ Force you to pay attention, do your HW, attend labs, read, ask when you don’t know, practice, learn.
▶ Cannot force you to CARE, the critical factor in any endeavor.
▶ Caring leads to effort. Effort leads to improvement. Constant improvement leads to success.

Kauffman’s Expectation

▶ You care at least a little bit and will cultivate an attitude of curiosity and engagement
▶ You will put some effort into our time together as I have
Don’t Give Up, Stay Determined ♥!

Students have different experience levels. Some have lots and make things look easy. For others, everything is new and intimidating. No one knows all of this stuff. Everyone struggles at some point. Get help from the staff. Support each other. Your peers will remember when you help them move forward and when you try to hold them back.

Respect and learn from one another.
Overview of Mechanics: Syllabus has Details

Lecture

- 3x per week, 50 minutes
- Do what we did today: talk, grill, code, laugh
- 3 exams and a final

Assignments

- Weekly HW + Online Quizzes, collaborate freely
- Projects: 5 planned, larger programs, individual work

Canvas

http://canvas.umn.edu
- Important links (syllabus, schedule, slides)
- Take weekly HW Quizzes

Engagement Points

Earned in Labs, Lecture, on Piazza, worth 1% per point, 10% overall

Submitting Projects Late costs Engagement Points

Labs, 50min, Wed

Show up to earn Engagement Pts via short activities, get help on assignments

Piazza Discussion board

95% of communication/questions, Students ask, Staff Answer
Students answering other Students earns Engagement Points

Gradescope

Project Submission + Grades, Exam Grades, Regrade Requests
Lecture Hot Seats

- Often we will have short in-class exercises
- Front few rows are hot seats, will be favored for getting answers to these exercises
- Just try: answer questions, give feedback, ask to ‘pass’ if totally lost
- Attempting reasonable answers earns a card
- At the end of class return the card and write down you earned it
- 3 Card earns 1 Engagement Point
- Don’t want/need Engagement Points, don’t sit in hot seats, freely ask questions as they arise
- Don’t like lectures, don’t come, but don’t complain if you miss something
- Someone is paying $2049.20 or more for the privilege of you being in this room (4-credits, in-state tuition)
Reading

Computer Systems: A Programmer’s Perspective

- **3rd Edition** which covers 64-bit arch rather than 32-bit
- **Author:** R. Bryant, D. O’Hallaron,
- **REQUIRED:** it’s expensive but an *excellent* text which will serve you well (if you read it)

C Programming

- Likely you’ll want to do some reading on C programming to supplement in-class discussion
- *C Programming Language* Second Edition by Brian Kernighan and Dennis M. Ritchie,
  - **Optional:** not a bad read from the original authors of C
- Free web resources on C programming posted on the front page of Canvas
Prime Directive

**PRIME DIRECTIVE:** Be able to explain your own work including homework code and exam solutions. The work you submit should be the product of your own effort and reflect your personal understanding.

Follow this because...

... I can say that at my workplace I’ve seen more than one freshout who clearly hadn’t made it through college without significant assistance from Stack Overflow and other people’s blogs. None of them lasted very long. Perhaps knowing how to solve problems for yourself isn’t necessary to get a college degree nowadays, but it’s surprising how useful it can be in a career where you solve problems for a living.

– bunderbunder, discussing using StackOverflow to cheat
Communication

Piazza: Discussion Board
- Project and Lab discussion
- Questions about programming
- Announcements from Staff
- Course Schedule
- 95% of communication/questions
- Read the etiquette post (up shortly if it’s not already)

Email for
- Appointments outside of office hours
- Unresolved grading disputes
- Personal emergencies/problems

Course Work and Grades
- Canvas: Lab Quizzes
- Gradescope: Assignments / Exam Grades