CSCI 2021: Course Mechanics

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Registered or Not?

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

- Attend the Lab you want to register for; if staff ask, mention that you are not yet registered but want to be
- Come to the first Lecture so you don't fall behind
- 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 absolutely must take 2021 this semester, consequences if you do not
- Give me that sheet of paper
- Wait and hope: very limited space + waitlists for full labs

Overview of Mechanics: Syllabus has Details

Canvas Homepage

Links to course schedule, staff contact, setup guide, surveys, etc.

Lecture: Tate 105

- 3x per week, 50 minutes
- Chat, Exercises
- Earn Bonus Engagement Points
- All Lectures Recorded
- 3 exams and a final

Assignments: Gradescope

- Weekly HW + Lab Exercises, collaborate freely
- Projects: 5 planned, larger programs, **individual work**

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

Office Hours Discord

Find the "Office Hours" area, write question in the #queue, enter "Waiting Room", get help

Piazza Discussion board

Async Questions/Answers, Students ask, Staff Answer
Students answering other Students earns Engagement Points

Lab01 and Programming Environment

First meetings are **Labs on Wed 1/19 during Week 1** (before first lecture meeting)

- Lab01 is designed to make sure that you are set up to program for the course
- At lab, Staff give a short intro then students **work in groups** to solve exercises; Staff give help as needed
- Get Credit for lab by submitting completed work to Gradescope: can submit as a group
- Make sure to **ask for help during lab** if you feel lost. We have *awesome TAs this semester* who are here to get you over hurdles.

To be ready for Lab01, it is a good idea to

1. Look at the Environment Setup Guide: `https://www-users.cs.umn.edu/~kauffman/tutorials/unix-environment.html` to learn how to access a Linux environment for coursework
2. Come in person to your assigned lab time on Wed 9/8

Discord for Office Hours

- Office Hours will be administered on **Discord**, a communication platform with text, audio, and video options
- **Download Discord Desktop Software to fully participate in office hours**
- Find our Discord "Guild" Invite link on Canvas Front Page: CSCI 2021 S21
- Students can ask questions, get help synchronously

Tour Discord and Gradescope

Lectures and Hot Seats

- Lectures will take place in-person on campus
- During Lecture, Kauffman will have **Exercises**
- Students will chat each other up about the exercises
- On resuming, discuss answers with 1-2 folks, possibly volunteers or randomly selected from the first couple rows ("Hot Seats")
- Showing effort earns **Bonus Engagement Points**
- Students are encouraged to ask questions when prompted
- Lectures are recorded and posted for students that can't make it to the synchronous meeting

Communication

Piazza: Discussion Board

- Project and Lab discussion
- Questions about programming
- Announcements from Staff
- Read the Etiquette Post so you can post Answerable Questions

Email for

- Appointments outside of office hours
- Personal emergencies/problems

Gradescope

- Take Lab and HW quizzes
- Submit Projects
- Take Exams
- Request Regrades on submitted work

Discord

- Attend Office Hours
- Ask semi-sync questions during those times
- Use the "#Help-Queues" to "get in line"

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

Course Syllabus

Linked from Canvas Homepage

- General Course Structure
- Grading Breakdown / Grade Boundaries
- Late Submission Policies
  - Labs / HWs: No late submissions
  - Projects: up to 2 days late, 1 Engagement Point per day
- Academic Integrity Policies

Prime Directive and Academic Integrity

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*

Expectations

Kauffman can

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

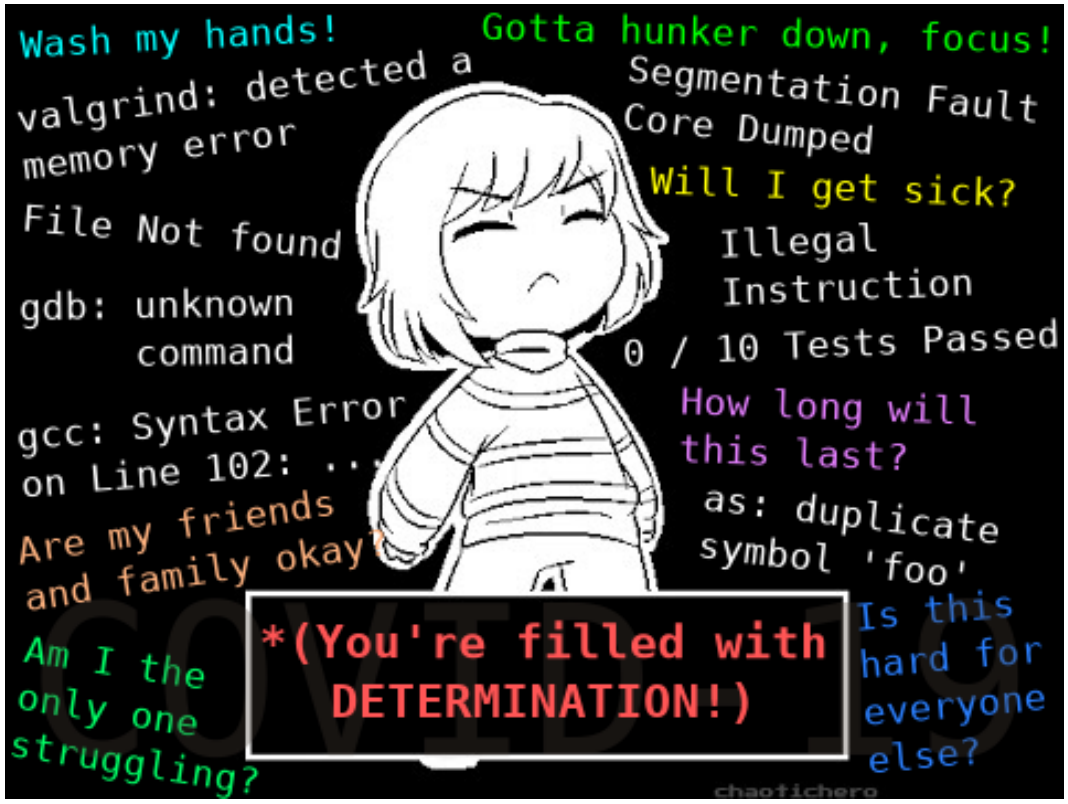
Kauffman cannot

- 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.

A Word on Safety

Please wear your mask during lecture

- For your safety, my safety, the safety of the class, and the safety of all the old, young, and immuno-compromised loved ones that we see but do not want to hurt, Mask Up.
- Refrain from eating/drinking during lecture
- Keep your mask on the whole time
- If you feel sick, stay home, watch the videos, notify me if the illness is prolonged and we will make arrangements