

CSCI 4061: Course Mechanics

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*Last Updated:
Sat Jan 16 10:53:49 AM CST 2021*

Overview of Mechanics: Syllabus has Details

Lecture

- ▶ 2x per week, 1h15m
- ▶ Chat, Exercises/Breakouts
- ▶ Earn Bonus Engagement Points
- ▶ 2 Exams and a Final

Assignments: Gradescope

- ▶ Weekly HW + Lab Exercises, collaborate freely
- ▶ Programming Projects: 3 planned, larger programs demonstrating course concepts, **pair work**

Engagement Points

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

Submitting Projects Late costs

Engagement Points

Labs, 50min, Mon, Discord

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

Lectures via Zoom / Youtube

- ▶ During lecture, will have discussions, cover some material, do activities
- ▶ Always recorded and posted after lecture
- ▶ Attendance optional **BUT** opportunities for Engagement Points during lecture
- ▶ AND lecture is a great time you can meet classmates, find partners, socialize a bit
- ▶ Some supplemental lectures will be posted to Youtube for asynch viewing

Reading

Advanced Programming in the UNIX Environment, 3rd Ed

- ▶ Author: Stevens and Rago
- ▶ **REQUIRED:** it's an *excellent* text which will serve you well (if you read it)

Optional Texts

- ▶ *UNIX systems programming : communication, concurrency, and threads* by Robbins and Robbins
- ▶ *Operating System Concepts, 9th Edition* by Silberschatz et al.

C Programming

- ▶ Likely you'll want to do some reading on C programming to supplement in-class discussion
- ▶ *C Programming Language* 2nd Ed by Kernighan and Ritchie
- ▶ 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

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.

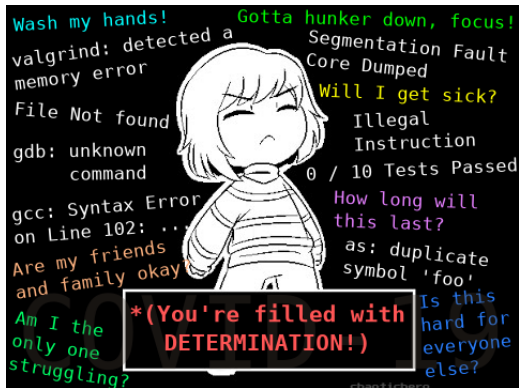
Kauffman's Expectation

- ▶ 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

We Live in Interesting Times

- ▶ I expect many of you are struggling at the moment with one of the many hurdles and injustices of our time
- ▶ I cannot fix many of these but I can work to make your experience in this class as informative and equitable as possible
- ▶ If you struggle with outside factors during the class like sickness, family difficulties, social unrest, or other dangers, then **let me know** and we can work something out
- ▶ This is a 15-week class crammed into an 8-week period so it will move fast, it's hard to make up ground if you get behind so stay in touch and stay on the bounce

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.