

CMSC216: Course Mechanics

Chris Kauffman

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Immediate Logistics

First course meeting is Thu 25-Jan on Zoom

- ▶ Zoom Lecture Link: <https://umd.zoom.us/j/95120353297>
- ▶ Discussion **do not meet on Wed 24-Jan**
- ▶ I apologize for not being able to start our semester in person
- ▶ As I record this, my mom is nearby and close to death
- ▶ Though teaching is important to me, supporting my family and helping my mom transition from life is more important
- ▶ Likely our next few lectures will be online before I am able to return to campus. I am grateful for your patience

Overview of Mechanics: See Syllabus for Details

ELMS/Canvas Homepage

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

Lectures

- ▶ 2x per week, 75 minutes
- ▶ Chat, Exercises
- ▶ Earn Bonus Engagement Points
- ▶ All Lectures Recorded
- ▶ 2 exams and a final

Assignments: Gradescope

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

Engagement Points

Each Lab is 1, Bonus via Lecture / Piazza, worth 1% per point, 10% overall + extra credit

Submitting Projects Late costs Engagement Points

Discussion / Labs

50min on Mon/Wed, see lab demos, get TA help on assignments

Office Hours

Mostly In-Person, Some Online via Discord, see ELMS/Canvas for times + locations

Piazza Discussion board

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

Lab01 and Programming Environment

First Discussion/Lab meet is in Week 2 on Mon 29-Jan

- ▶ Lab01 is designed to make sure that you are set up to program for the course
- ▶ Staff give demos/overview/tips 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 can get you over hurdles.

Lab01 Preparation

1. Look at the [Coding Environment Setup Guide](#) to learn how to access a Linux environment for coursework
2. Come in person to your assigned discussion/lab time
3. Bring a laptop or other device capable of computing or plan to make a friend to work together

Lectures and Hot Seats

- ▶ Most lectures will take place in-person on campus
- ▶ **Some lectures** may take place on Zoom due to extenuating circumstances (illness, travel, family emergencies)
- ▶ During Lecture, Kauffman will have **Exercises**
- ▶ Students will chat each other up about the exercises
- ▶ On resuming, discuss answers with 1-2 folks, usually volunteers, alternatively victims selected from the “Hot Seats” (first few rows of lecture hall or randomly when online)
- ▶ 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 or want to review later

Office Hours: In-person and Zoom

- ▶ Office Hours are open to all students, no appointments needed
- ▶ Times and locations vary, listed on Canvas
- ▶ Helps to come **prepared** to office hours: specific question, things you've tried to fix bugs; may lose time if not prepared

In-person Office Hours

- ▶ Have a physical location
- ▶ Usually have Queue: physical line, whiteboard or paper list

Online Office Hours

- ▶ Will attempt to have some staff hold online office hours via Zoom
- ▶ Office hours schedule will include these along with a link to attend online office hours

Communication

Piazza: Discussion Board

- ▶ Questions on any course matter, project help etc.
- ▶ Announcements from Staff
- ▶ Read the Etiquette Post so you can post Answerable Questions

Gradescope

- ▶ Lab and HW quizzes
- ▶ Submit Projects
- ▶ Receive Exam Grades
- ▶ Request Regrades on submitted work

Email Kauffman for

- ▶ Appointments outside of office hours
- ▶ Personal illness, emergencies, accommodation requests, missing exams
- ▶ Don't use ELMS/Canvas messages
- ▶ Don't make private Piazza posts
- ▶ Email directly about personal issues

You don't need to notify anyone if you just miss a lecture

Reading

Computer Systems: A Programmer's Perspective

- ▶ **3rd Edition** which covers 64-bit arch rather than 32-bit
- ▶ Author: R. Bryant and 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 coding at bottom Canvas front page

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

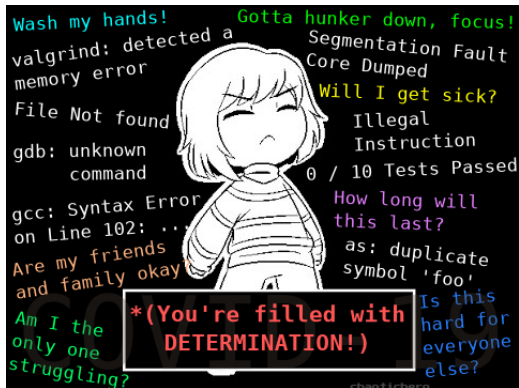
Kauffman cannot

- ▶ 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.