CSCI 2041: Course Mechanics

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Immediate Logistics

Not yet registered for this section but want to be?
Give me a piece of paper with the following information

- ▶ Name, UMN Email address, Student ID number
- ▶ Why you can't register for other sections that have open space
- ▶ Which lab sections you can register for

2041 is in high demand
If you are registered for any sections, we won't be able to help you switch

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, learn
- ▶ Cannot force you to **care**, the most important aspect of any endeavor.
- ▶ Caring leads to effort. Effort leads to improvement. Constant improvement leads to success.

Kauffman's Expectation

- ▶ You care some and will cultivate a further attitude of curiosity and discipline
- ▶ You will put some effort into our time together as I have

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Lecture

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

Projects

- ▶ 6-7 planned, **individual work**
- ▶ Larger than labs, several weeks
- ▶ Will discuss in lectures

Canvas: http://canvas.umn.edu

- ▶ All important links like syllabus, schedule, specs, slides
- ▶ Submit assignments, get grades

Labs

- ▶ Mon/Tue, 50min
- ▶ Do exercises, coding, practice
- ▶ Due by next lab

Piazza

- ▶ Discussion board
- ▶ 95% of communication/questions
- ▶ Students ask questions
- ▶ Staff and students answer
- ▶ Read Etiquette Post

Email staff for individual issues

- ▶ Appointments outside office hours
- ▶ Unresolved grading disputes
- ▶ Personal emergencies/problems

Lab Policies

Attendance

- ▶ You may only attend the lab section for which you are registered. If that is a problem, see Prof. Kauffman during office hours.
- ▶ **Attendance at the first lab meeting is mandatory**.
- ▶ Attendance at labs **after the first meeting** is optional.

Lab Credit: Submit / Check-off

- ▶ Submit 70%: submit required files according to the lab instruction. Sometimes graded, sometimes full credit just for submitting.
- ▶ Check-off 30%: discuss you solution with a TA. Must be done in person during lab or during TA office hours. Check-off in groups of 1-3.

Labs are Open Collaboration

- ▶ **Free collaboration** on labs with anyone in our course
- ▶ EVERYONE submits something to Canvas
- ▶ Must be present in person for the Check-off
- ▶ You may freely collaborate with anyone in 2041 on labs but obey the PRIME DIRECTIVE

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, Discussion of cheating using StackOverflow on
<http://news.ycombinator.com/item?id=4910406>

Assignments

- ▶ 6-7 assignments planned
- ▶ Combination of OCaml programming, written problems, debugging
- ▶ **Individual work** on Assignments: high-level discussion only between students, ask detailed questions to course staff
- ▶ Obey the PRIME DIRECTIVE

Cheating: Just Say No

- ▶ Easy to copy others, easy to detect copies, likely to get caught
- ▶ Painful for everyone (makes me particularly ornery)
- ▶ Shows you don't care and aren't putting forth effort

Unsure if an action constitutes cheating?

- ▶ **Stop and ask me**
- ▶ Sharing on Lab Exercises is fine
- ▶ Sharing on assignments is not

First Week Lab: Agree to Syllabus

All students must submit an agreement to abide by the syllabus.

- ▶ Shows you can edit a text file
- ▶ Can submit assignments to the course Canvas site
- ▶ Download the text document here:
  http://cs.umn.edu/~kauffman/2041/agreement.txt

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I have familiarized myself with the contents of the CSCI 2041 syllabus
and agree to abide by the policies contained within it. I will obey
the PRIME DIRECTIVE. As a University of Minnesota student, I agree to
follow the Student Code of Conduct and will treat my classmates and
the course staff with honest respect.

Signed,
(WRITE YOUR NAME HERE)
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Lecture

Mechanics

- ▶ Talk
- ▶ Code
- ▶ Try
- ▶ Ask

Hot Seats

- ▶ Front few rows are **hot seats**
- ▶ I will grill hot seats
- ▶ Just try: answer questions, give feedback
- ▶ Up to 3% overall bonus
  - ▶ Summer has 20 pts, max in class, 3% bonus
  - ▶ Morty has 10 pts, 1.5% bonus
  - ▶ Rick has 0 pts cause he skipped most classes
- ▶ Don't want/need participation? Don't sit in hot seats, still free to ask questions as they arise
- ▶ Don't like lectures? Don't come, but don't complain if you miss something
- ▶ *Someone* is paying $\sim$ $2009.00 or more for the privilege of you being in this room (4-credits, in-state tuition)

Reading: No official textbook but following are useful. . .

The OCaml System Manual

- ▶ Author: Xavier Leroy et al.
- ▶ *Free!* http://caml.inria.fr/pub/docs/manual-ocaml/
- ▶ Will post relevant sections to our discussion for various parts of the class

Practical OCaml

- ▶ Author: Joshua B Smith
- ▶ *Free!* PDF Available through UMN Library
- ▶ A solid introduction to OCaml for folks who already know some programming

Other Readings

- ▶ Will link to various other relevant readings as the need arises