

Summer course organization

Here is what to expect in this course.

Time commitment

This course ends 5 weeks and 2 days after it begins. Since a semester is normally 15 weeks long, we will work at roughly triple-speed. During a normal semester a 3 unit course is supposed to average about 9 hours of your time per week. Scaled to a six week course, this would be $(15 \text{ weeks} \times 9 \text{ hours per week}) / 6 \text{ weeks} = 22.5 \text{ hours per week}$. I don't intend the course to be quite as time consuming as that, but you should make sure that you can find plenty of time to devote to this class.

Hybrid synchronous/asynchronous

Some lectures will be assigned for offline viewing. Some lectures will be live via Zoom. The Zoom lectures will be recorded and available for later viewing. The only required synchronous activities are quizzes and exams, other activities can be watched later if needed. Most Tuesday's will begin with a quiz and two Thursdays will begin with a midterm exam. After the quiz or exam you can leave if you need to.

Modules

The course is broken into five modules, one per week of the course. Each module has readings, lectures, homework, a programming assignment and a quiz. As of now, I am planning the following routine:

First day: Course orientation, introduction to cryptography, review of some material.

Most Thursdays: Q&A, exam (Week 3 and 5), introductory lectures for new module.

Most Tuesdays: Group quiz, advanced lectures.

Last day: Q&A, Final Exam.

Quizzes

During the first half of each module you will consume readings and lectures, and work through homework. You will be given a quiz on this material that you are to do on your own before class. In class you will take the same quiz with a group of students. You will get credit for your individual quiz and your group quiz. The point of the group quiz is to facilitate peer learning: you will discuss each problem and come to a shared understanding.

Exams

During Week 3 there will be a midterm covering Modules 1 and 2. During Week 5 there will be a midterm covering Modules 3 and 4. On the last day of class there will be a comprehensive final exam.

Interaction

Here are the main ways you can get your questions answered.

Piazza. Students are encouraged to ask and answer questions on Piazza. Ask and answer just enough to get unstuck. Try not to give away too

much in the question or answer.

Zoom lecture. I will begin each asking if there are any questions. I don't mind answering questions at these times.

Office hours. Details will be posted at <https://krovetz.net/oh>

Email. If you have a question that you're uncomfortable posing any of the other ways, send me an email: tdk@csus.edu.

DO NOT send me Canvas messages. They may never get answered because I don't use Canvas for communication.