

**Date: Wednesday, March 14 (Dr. Kafura's section)
Thursday, March 15 (Dr. Butt's section)**

Location: usual classroom

Time: usual class time (75 min)

Format:

The midterm exam will consist of 4 multipart questions. It will be **closed book, closed notes, closed computer/without wireless access**. However, you are **allowed to bring one lettersized sheet of paper with prepared notes** (you may use front and back of that sheet). You will be able to use that sheet for the final exam as well, so hold on to it after the exam.

You are responsible for the content of lectures 1 through 14. This content includes, among others:

- Machine-level representations of programs: stack discipline, use of machine instructions and registers, etc.; role of the compiler
- Optimization: program restructuring, optimization methods
- Memory: memory hierarchy, caching
- Linking and loading: static and dynamic linking, scoping
- Processes: context switching, mode switching, process states
- Unix process API, system call use, use of signals
- Unix I/O, Standard I/O

The textbook covers this material in Chapters 1, 3-8.

The midterm may also contain questions related to projects 1 to 3 and exercises 1-5.