Date: **Tuesday, Oct 20**
                 usual class time: 12:30pm – 1:45pm (75 min)

Location: **Sandy 10 (usual classroom)**

Format:

The midterm exam will consist of 3-5 multipart questions.

It will be **closed book, closed notes, closed computer/without wireless access.** However, you are **allowed to bring one letter-sized 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 15 (up to including the Oct 15 lecture.) This content includes, among others:

- Machine-level representations of programs: stack discipline, use of machine instructions and registers, etc.; role of the compiler

- Program performance and compiler optimizations; profiling

- Locality and memory optimizations

- Linking and loading: static and dynamic linking, scoping

- Threads & processes: dual-mode operation, context switching, mode switching

- Unix process API, system call use, use of signals

- Unix I/O, Standard I/O

Our textbook covers this material in Chapters 1, 3, 5-8, and 11.

The midterm may also contain questions related to projects 1 and 2 and exercises 1-9.