

CS 33901 Software Engineering

Midterm study guide

Exam will be closed book, closed notes.

Materials on the exam will cover everything in lecture and assignments (lecture notes are online).

Topics covered on the midterm:

- Software process models (e.g., waterfall, linear sequential, incremental, agile, etc.)
- Phases of software lifecycle
- UML – use case diagrams, class diagrams, sequence diagrams
- Differences between boundary, control, and entity classes
- Refactoring (definitions and the basic idea)
- Extreme programming (definitions and the basic idea)
- Estimation (basic ideas)
- Coupling, cohesion, software metrics

On the exam you will need to construct a class diagram and a sequence diagram. You will also need to read and interpret use case diagrams and class diagrams.