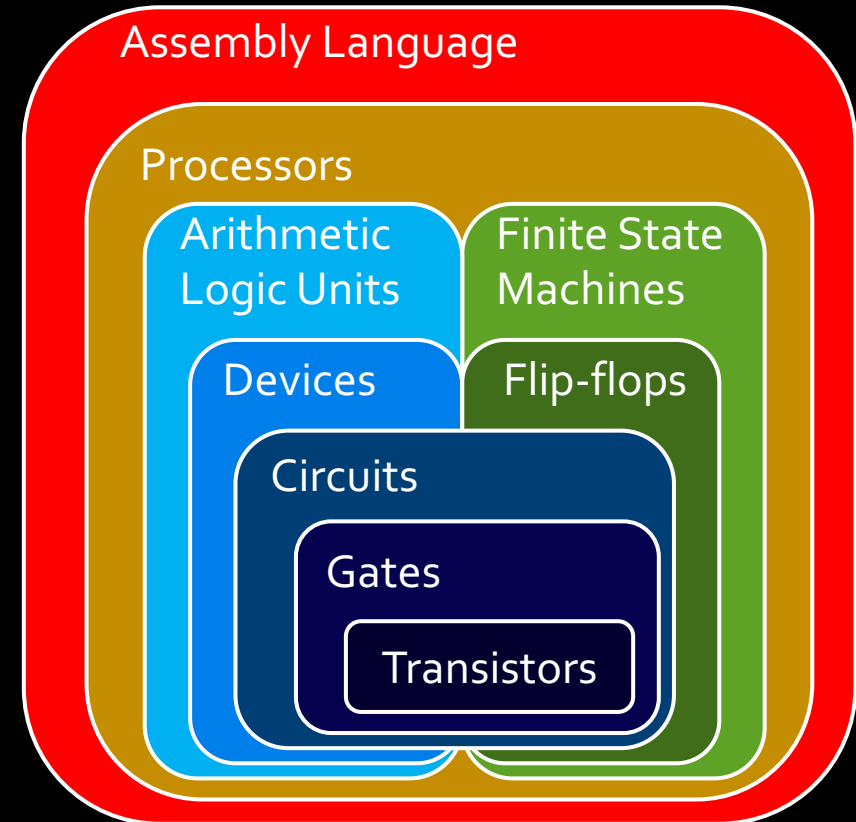


CSC258 Week 12

Exam Coverage

- Everything
- A bit more weight on the second half (after midterm)



Exam Format

- **Online, as a Quercus quiz**

Resources

We ask that you restrict yourself to:

- Materials linked from the course website (slides, reading guides, the textbook)
- MARS (to test code)
- Piazza

In particular, please don't:

- Frantically google or search stack overflow (you shouldn't need them)
- Discuss the exam with anyone (except your cat, if you must)

Types of questions

It's a Quercus quiz.

In addition to conceptual questions, we could ask you to:

- Analyze a combinational circuit (including transistor diagrams)
- Design a combinational circuit
- Analyze a sequential circuit (or waveform)
- Design a sequential circuit or FSM

Types of questions (continued)

- Explain how an operation is performed on the processor
- Translate assembly to machine code and vice versa
- Write assembly code according to requirement
- Translate between assembly and pseudocode (C-like)

- Count hits in a cache
- Calculate throughput on a pipelined processor

How to study for final exam

1. Review lecture slides
2. Review what you did for labs
3. Review quizzes
4. Practice with past exams
 - Can be found in old exam repository
5. Whenever confused, ask on discussion board, or come to **office hours**

Some Tips

- Pay attention to **details**
 - Don't just skim over the slides and labs and "get the idea".
 - Find a way to test yourself ...
- The quiz questions are the best examples of the questions we'll use.
The questions in the textbook are the next best.
- Identify a process for solving each kind of problem.
 - Ex: for assembly language questions, write in pseudocode and translate
 - Ex: for design questions, create a truth table, then go to a k-map

See you in office hours!

Pre-exam OH:

Monday, April 12, 1-4 PM