

# Midterm Review

CSE 401/M501

# Announcements

- Midterm **TOMORROW!**
- Semantics project due 2 weeks from now, Thursday 11/13
  - Get started early! This lab is known to be harder (or at least longer)
    - (So please get started early 😊)
  - Start by thinking about the data structures you will use (symbol tables, types)
    - And then bring them to sections next week (11/6) for required check-in and feedback
- **Required** semantics lab check-in next week.

# **Midterm topics – full topic list on the web**

Compiler structure

Regex and DFA's

Scanners

Grammars and ambiguity

Context-free grammars

LR parsing, tables, conflicts

LL parsing and conflicts

AST's and visitor pattern

Static semantics

Symbol tables

Type checking