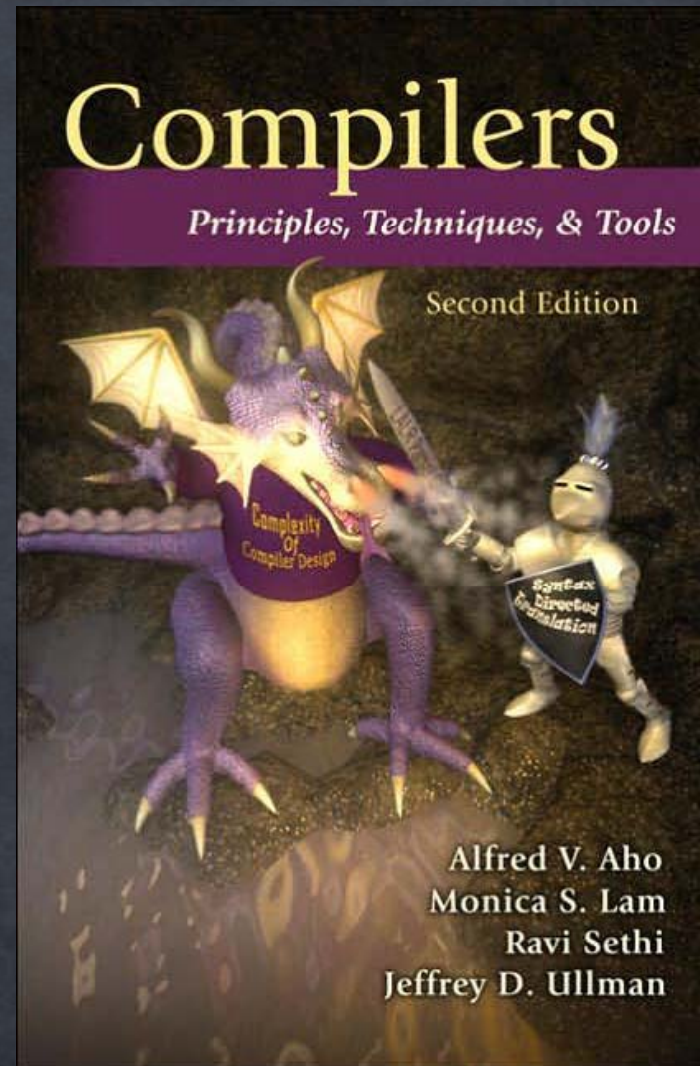


By  
S. Kazem Shekofteh

Reference:  
Aho, Sethi, Ullman, *Compilers:  
Principles, Techniques and Tools*,  
Addison Wesley, 1986

Translated by:  
Dr. H. Deldari and M.  
Salkhordeh-H.

# Compiler Construction Course



## Grading Policies

(Programming) Assignments: 20% (4 out of 20)

Midterm: 30% (6 out of 20)

Final Exam: 30% (6 out of 20)

Final Project: 20% (4 out of 20)

Bonus Points, Class Attendance (if any): 10% (2 out of 20)

# Outlines

- Lexical analysis, regular expressions
- Formal grammars, Top-down parsing, LL(1)
- Bottom-up parsing, shift-reduce, SLR(1), LR and LALR parsing
- Error repair/recovery, syntax directed translation, Attribute grammars
- Semantic analysis, type systems
- Intermediate representation, three address code
- Runtime environments, code generation