

## Wagner College

# CS 356 – PROGRAMMING LANGUAGES

TEXTBOOK: *Programming Language Pragmatics*  
Michael L. Scott , Morgan Kaufmann, ISBN 1-55860-442-1

INSTRUCTOR: Dr. Adrian Ionescu <http://www.wagner.edu/faculty/users/ionescu/>

EMAIL: [ionescu@wagner.edu](mailto:ionescu@wagner.edu)

OFFICE: Room 117, Megerle Science Hall, x3245

OFFICE HOURS: MWF 09:00 – 10:20 AM  
TTH 04.00 – 6:00 PM (by appointment only)

COURSE WEB PAGE: <http://ionescu.pageout.net/>

**COURSE OBJECTIVES:** The course includes a survey of current programming languages including the ALGOL family, PL/I, ADA, SNOBOL, and LISP. A formal specification of languages using grammars is presented. An introduction to recursive-descent parsing is also given.

**OUTLINE:**

- 1 Introduction
- 2 Programming Language Syntax
- 3 Names, Scopes, and Bindings
- 4 Semantic Analysis
- 5 Assembly-Level Computer Architecture
- 6 Control Flow
- 7 Data Types
- 8 Subroutines and Control Abstraction
- 9 Building a Runnable Program
- 10 Data Abstraction and Object Orientation
- 11 Nonimperative Programming Models: Functional and Logic Languages

**GRADING POLICY:** You are responsible for all material covered in class, as well as that in the text. Homework will be collected and graded weekly.

- MIDTERM (30%)
- FINAL EXAMINATION (40%)
- HOMEWORK/PROJECTS/CLASS PARTICIPATION (30%)

**GRADING SCALE:** Letter grades will be determined by the following scale, where 100 corresponds to the highest point total earned by any student in the class:

Average	Grade
93 - 100	A
90 - 92	A-
87 - 89	B+
83 - 86	B
80 - 82	B-

77 - 79	C+
73 - 76	C
70 - 72	C-
67 - 69	D+
60 - 66	D
< 60	F

## COURSE POLICIES:

- There will be no make-up examinations. *A student who is unable to attend a major examination due to illness or other emergency is required to contact his instructor within 24 hours of the exam time.* If an exam is missed due to an emergency, the final will be counted twice; once as a final, and once in place of the missed exam. Late homework will not be graded.
- Any preceding policies may be waived at my discretion

For inclement weather updates or other announcements please check your e-mail and the following page regularly: <http://www.wagner.edu/faculty/users/ionescu/notes.htm>.

If you have a disability for which you may be requesting an accommodation, you are encouraged to contact both your instructor and Dina Assante in the Academic Advisement Center, 390-3278 as early as possible in the term.