Computer Science 312
Principles of Programming Languages
Fall 2016
Syllabus

Instructor
Dr. Timothy Davis
McGlothlin-Street 133
221-3436
Office hours: MW 3:30–5:00 (or by appointment)
tadavis@wm.edu

Course Webpage
http://www.cs.wm.edu/~tadavis/cs312

Class Meetings
MW 2:00–3:20, ISC 1111

Textbooks
Michael L. Scott, Programming Language Pragmatics (Fourth Edition), Morgan Kaufmann, 2015 (optional).

Prerequisites
CS 241 – Data Structures
CS 243 – Discrete Structures

University Policy
Accommodation  William & Mary accommodates students with disabilities in accordance with federal laws and university policy. Any student who feels s/he may need an accommodation based on the impact of a learning, psychiatric, physical, or chronic health diagnosis should contact Student Accessibility Services staff at 757-221-2509 or at sas@wm.edu to determine if accommodations are warranted and to obtain an official letter of accommodation. For more information, please see www.wm.edu/sas.

Grading
Final grades will be based on assignments, a midterm test, and a final exam with appropriate weights based on difficulty. Letter grades will be based on a 10-point scale with +/- designations awarded accordingly.

Assignments  60%
Midterm      15%
Final Exam   25%   (Monday, December 5, 2:00–5:00 p.m.)
Goals and Objectives
By the end of this course students should acquire the following abilities:

- to learn to read and write formal descriptions of programming language syntax and semantics
- to be able to define, describe and give examples of
  - binding
  - type
  - computational and control flow constructs
  - scope
  - parameter passing
- to learn the key characteristics of programming paradigms and express algorithms in
  - object-oriented languages
  - imperative languages
  - functional languages
  - logic programming languages

Course Policies
To be successful in this course, you must follow several guidelines, listed below.

- **Attendance**  Attendance is not required, but strongly recommended. The student is responsible for acquiring class notes for any lectures missed.
- **Class Cancellation**  Students are expected to wait for 15 minutes after the scheduled class starting time before leaving if the instructor is late.
- **Technology**  All student electronic devices, including laptops, cell phones, tablets, etc., should be turned off during class. Any sort of video recording is forbidden.
- **Assignments**  Written assignments should be typeset using LaTeX or a word processor such as Word. All work must be shown; otherwise, points may be deducted.
- **Projects**  All projects will be submitted through Blackboard and must run on the department's linux computers available in the lab in MS Hall. Of course, any project can be completed on your home computer or laptop, but failure to ensure that it compiles and/or runs on the department machines may result in significant point deductions.
- **Independent Work**  You must work on written assignments and projects independently, unless explicitly stated otherwise. Cheating of any kind will not be tolerated and will result in significant penalties and/or academic integrity charges. Cheating involves any viewing, copying, or discussion of problems or code from other students, whether enrolled in this course or not. Additional clarifications on cheating may also be made during the course of the semester. Please seek help from me or the TA only.
- **Deadlines**  Deadlines will be enforced, with late work accepted only under extreme circumstances. Additionally, no emailed assignments or projects will be accepted.
- **Grade Disputes**  Scores for graded work will be posted in Blackboard. Any questions or disputes concerning assignments, exams, or programs, must be emailed to the instructor, with justifications, no sooner than 24 hours after the assignment has been returned and no later than one week after the date the graded work is posted/returned; otherwise, all grades are final.