

Summer 2020

## CS 280-450: Programming Language Concepts

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# CS 280: Programming Language Concepts

## Syllabus

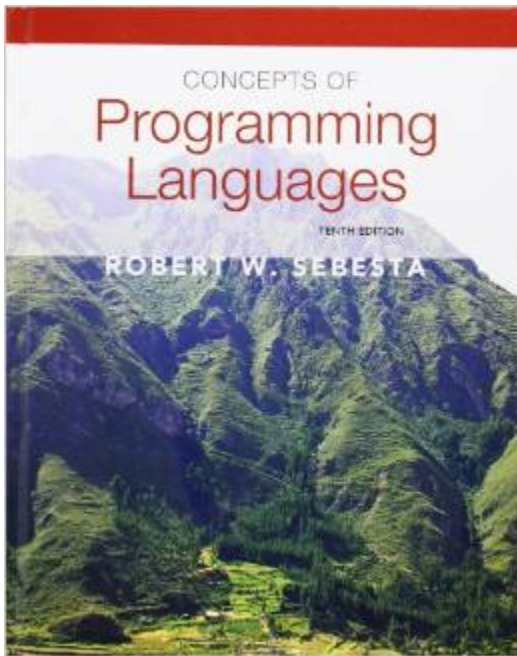
### Instructor Info

Instructor: Jonathan Kapleau  
Office: GITC 4412  
Office Phone: 973-596-2657

### Course Description

Conceptual study of programming language syntax, semantics and implementation. Course covers language definition structure, data types and structures, control structures and data flow, run-time consideration, and interpretative languages.

### Textbooks



Concepts of Programming Languages, 11th edition  
Robert Sebesta  
ISBN: 013394302X

### Grading Scheme

Midterm	20%
Final	30%
Projects	40%
Miscellaneous	10%

## Topics

- Common Features of Programming Languages
- Lexical Syntax
- Grammars
- Names
- Types
- Semantics
- Expressions
- Control Flow
- Subprograms
- Memory Management
- Event Handling
- Concurrency

## Attendance Policy

Attendance in every lecture is mandatory. If a student is absent from lecture five times (the first day counts), the student's name will be recommended for withdrawal to the Dean of Freshman Studies. Two lates is equivalent to one absence. Make sure that you fully understand this attendance policy.

## Cheating Policy

Cheating on a programming assignment results in zero credit for all students involved. Programming assignments may **NOT** be solved in collaboration, unless specifically stated in the assignment. Cheating on an exam will result in an "F" in the course.

You may discuss problems with each other. Where does discussion end and cheating start? You may **NOT** copy lines of code from anybody or anywhere. You may **NOT** use code in your assignments that you did not write. As a general rule: If you don't understand the code and can't explain the code, you can't use the code.

Please familiarize yourself with the NJIT Honor Code. Violations of the honor code will be dealt with seriously and reported immediately to the Dean of

Students.

## **Late Policy**

To receive full credit all programming assignments must be handed in on time. Assignments that are not submitted on time will be penalized for each day that they are late. The type and severity of the penalty will be determined by the assignment. In general, a deduction of 10 points (out of 100) for the first day, 20 additional points for the second day, 30 additional points for the third day, and 40 additional points for the fourth day late will be subtracted from the final grade of the assignment.

## **Prerequisites**

CS 114, CS 116, or equivalent

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