

CS 1720 Programming Languages

Fall 2009

Course Description

Several programming languages will be studied from a programming point of view. The objective of the course is to evaluate various programming language features to provide alternative ways of solving problems. We will use Visual Basic.Net, Python, Lisp and Prolog to illustrate programming language concepts covered in the course. The concept of parallel programming and intelligent system will also be covered.

Instructor :

Dr. Seunghyun Im

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Textbook

Concepts of Programming Languages by Robert Sebesta (ISBN 0-13-607347-6)

Prerequisite

Junior or senior standing

Grade

Exam 1	20%
Exam 2	20%
Programming Assignments/Homework	60%

Grading will be assigned as following:

A: 90+ B: 80+ C: 70+ D: 60+ F: below 60

* Programming assignments and homework must be turned in by the due date.

* Students should attend all classes.

Schedule

Week	Topic
1	Role of programming languages
2	Object Oriented Programming
3	Object Oriented Programming
4	Object Oriented Programming
5	Imperative Programming
6	Imperative Programming
7	Imperative Programming
8	Syntax and Semantics. Lexical analysis
9	Syntax and Semantics. Lexical analysis, Functional Programming
10	Functional Programming

11	Logic Programming
12	Logic Programming
13	Concurrent Programming
14	Concurrent Programming
15	Research Presentation

Disabilities

If you have a disability for which you are or may be requesting an accommodation, you are encouraged to contact both your instructor and the Office of Disability Services (ODS), G04 Student Union Building, (814) 269-7062 as early as possible in the term. ODS will verify your disability and determine reasonable accommodations for this course.

Plagiarism

Any form of plagiarism which includes copying or imitating the language, ideas, thoughts, or work of another person and passing off the same as one's own work discovered by the instructor will result in a zero for the first offence and an F for the course for any subsequent offense.