

Instructor: Attila Gürsoy agursoy@ku.edu.tr Rm#225 Office Hour: TBA
TA: M. Cengiz Ulubaş mulubas@ku.edu.tr Rm#231 Office Hour: TBA

Prerequisites COMP 101 and (COMP131 or equivalent)

Class Time Tu-Th 11:00-12:15

Class Room ENG B29

Textbook

Sebesta, R.W., Concepts of Programming Languages, 8th Edition, Addison-Wesley, 2007

Course Objectives

To learn the principles involved in the design, evaluation and implementation of programming languages. To review important programming paradigms including imperative, object-oriented, functional, logical, and concurrent programming.

Course Outline

Overview of Programming languages and concepts,
Formal languages overview, DFAs, regular expressions, grammars,
Describing syntax and semantics,
Lexical and syntax analysis, parsing
Binding, type checking, and scopes
Data Types
Expressions, assignment statements, control structures
Subprograms, parameter passing, implementation
Abstract data types, support for object oriented programming
Concurrency
Exception handling and event handling
Logical programming languages
Functional programming languages

Tentative Grading Scheme:

Attendance	4%
Written Assignments	8%
Programming Assignments	16%
Midterm Examinations (2)	20% + 20%
Final Examination	32%

Tentative Midterm Dates:

Midterm I : Oct 22

Midterm II: Nov 26

Policy on Collaboration

You are free to discuss homework with other students, however, such discussions **should not be extended to forming a solution**. You **may not write code or any other assignment jointly**. All programming and written assignment work submitted must be your own work. Copying from another student's work or from internet sources is not allowed. Plagiarism will be penalized and may result in taking necessary disciplinary actions. Not only copying but also allowing others to copy your own work is not permitted. Both parties will be responsible.