Course title		Code	semester	T+U	credit	ECTS
Programming Languages			5	3+0	3	5

Prerequisite Courses	
Language of the Course	English
Type of Course	Compulsory
Course Coordinator	
Instructors	
Course Assistants	
The aim of lesson	By introducing the concepts of programming languages and introducing the similarities and differences between different programming languages, it is aimed that students can choose the appropriate programming language in order to develop software in professional life. Also the compiler design about students theoric information owner to be intended
Course Learning Outcomes	**At the end of this course, the student;** **1.** Knowledge of Programming Language concepts to be **2.** The appropriate programming language for the projects they will encounter in their professional life. ability to choose bring **3.** Knowledge of compiler design to be
Course Content	Programming Language Concepts, Language Evaluation Criteria, Syntax , Semantic Description (Context free Grammar & Backus - Naur Form) Attributes Grammars) - semantic Lexical and Syntactic Analysis (Lexical and syntax Analsis) Parsing Problem & LL Grammar Class Lexical Analysis (Lexica Analaysis and Parsing Problem LR Parsers- LR (Parsers)

Weeks	Topics
one	Programming Language Concepts, Language Evaluation Criteria
2	Syntax, Semantic Tanımlama
3	(Context Free Grammar & Backus - Naur Form)
4	(Context Free Grammar & Backus - Naur Form)
5	Özellik Gramerleri (Attributes Grammars) - Semantic
6	Lexical and Syntactic Analysis (Lexical and syntax analsis)
7	Midterm
8	Lexical and Syntactic Analysis (Lexical and syntax analsis)
9	Parsing Problem & LL Grammar Class
10	Parsing Problem & LL Grammar Class
11th	Lexical Analysis (Lexica Analaysis and Parsing Problem _
12	LR Parsers - LR (Parsers)
13	Names (Names), Binding (Binding - Type , Binding ,Memory Binding), Scope (Scope)
14	Example applications

General Competencies
Defines the concepts of Programming Language, understands the differences between appropriate programming languages and chooses the appropriate programming language for the desired writing.

resources
Robert, W., *Concepts of Programming Languages ,* Pearson Ninth Edition.

Evaluation System
Midterm , Short _ Exam , Semester end exam And Your assessments to be done date , day And watches more later Faculty Management of the board will receive to the decision according to will be disclosed .

	WITH PROGRAM LEARNING OUTCOMES COURSE LEARNING OUTCOMES RELATIONSHIP TABLE										
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
LO1	3	2	2	4	3	2	one	one	2	one	2
LO2	4	3	3	3	2	2	2	one	2	one	one
LO3	4	3	2	3	3	2	one	one	2	2	one
LO: Learning Outcomes OP: Program Outcomes											
Contribution	1 Very Low		2 Low		3 Medium		4 High		5 Very High		

Relation of Program Outcomes and Related Course

Less	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
Programming Language	3	3	2	3	3	2	one	one	2	one	one