similarities and differences between different programming languages, it is ain that students can choose the appropriate programming language in order develop software in professional life. Also the compiler design about stude theorie 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   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 )   Topics     0   One   Programming Language Concepts, Language Evaluation Criteria     2   Syntax, Semantic Tanımlama	Course title			Code	semester	T+U	credit	ECTS				
Language of the Course   English     Type of Course   Compulsory     Course Coordinator   English     Instructors   Course Assistants     The aim of lesson   By introducing the concepts of programming languages and introducing similarities and differences between different programming languages, it is ain that students can choose the appropriate programming language, it is ain that students can choose the appropriate programming language in order develop software in professional life. Also the compiler design about stude theoric information course to be intended     Course Learning   At the end of this course, the student;     Outcomes   I. Knowledge of Programming Language concepts to be     2. The appropriate programming 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 (Lexical Analysis and Parsing Problem LR Parsers-LR ( Parsers )     Weeks   Programming Language Concepts, Language Evaluation Criteria     2   Syntax, Semantic Tanımlama	Programming	Languages			5	3+0	3	5				
Type of Course   Compulsory     Course Coordinator   Instructors     Instructors   By introducing the concepts of programming languages and introducing similarities and differences between different programming languages, it is ain that students can choose the appropriate programming language in order develop software in professional life. Also the compiler design about stude theorie information course the student;     Outcomes   At the end of this course the student;     I. Knowledge of Programming Language concepts to be   2. The appropriate programming language for the projects they will encounter i their professional life. ability to choose bring     3. Knowledge of compiler design to be   Programming Language Concepts, Language Evaluation Criteria, Syntax , Semantic Description (Context free Grammar & Backus - Naur Form) Attributes Grammars ) - semantic 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	Prerequisite	Courses										
Course Coordinator   Instructors     Instructors   By introducing the concepts of programming languages and introducing similarities and differences between different programming languages, it is ain that students can choose the appropriate programming language in order develop software in professional life. Also the compiler design about stude theorie information owner to be intended     Course Learning   At the end of this course, the student;     Outcomes   1. Knowledge of Programming Language concepts to be     2. The appropriate programming language for the projects they will encounter i 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 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			8									
Instructors     Image: Course Assistants       The aim of lesson     By introducing the concepts of programming languages and introducing similarities and differences between different programming languages, it is ain that students can choose the appropriate programming language in order develop software in professional life. Also the compiler design about stude thaoric information owner to be intanded.       Course Learning     At the end of this course, the student;       Outcomes     1. Knowledge of Programming Language concepts to be       2. The appropriate programming language for the projects they will encounter i 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)       Parising Problem & LL Grammar Class       Lexical Analysis (Lexica Analaysis and Parsing Problem LR Parsers-LR (Parsers)       One     Programming Language Concepts, Language Evaluation Criteria       2     Syntax, Semantic Tanımlama			Compulsory									
Course Assistants   By introducing the concepts of programming languages and introducing similarities and differences between different programming languages, it is ain that students can choose the appropriate programming language in order develop software in professional life. Also the compiler design about stude theoric information owner to be intended     Course Learning Outcomes   At the end of this course, the student;     Outcomes   I. Knowledge of Programming language for the projects they will encounter in their professional life. Also the compiler design about stude theoric information owner to be intended     Course Learning Outcomes   At the end of this course, the student;     I. Knowledge of Programming language for the projects they will encounter in their professional life. ability to choose bring   3. Knowledge of compiler design to be     Course Context   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 Tanumlama		dinator										
The aim of lesson   By introducing the concepts of programming languages and introducing similarities and differences between different programming languages, it is ain that students can choose the appropriate programming language in order develop software in professional life. Also the compiler design about stude theoric information owner to be intended     Course Learning   At the end of this course, the student;     Outcomes   I. Knowledge of Programming Language concepts to be     2. The appropriate programming language for the projects they will encounter i their professional life. ability to choose bring     3. Knowledge of compiler design to be     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     0   Programming Language Concepts, Language Evaluation Criteria     2   Syntax, Semantic Tanımlama		4 4										
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2 Syntax, Semantic Tanımlama	Weeks											
	one	Programming Language Concepts, Language Evaluation Criteria										
3 (Contaxt Frag Grammar & Backus Naur Form)	2	Syntax, Semantic Tanımlama										
5 (Context Free Oranimar & Backus - Naul Form)	3	(Context Free Grammar & Backus - Naur Form)										
4 (Context Free Grammar & Backus - Naur Form)	4											
5 Özellik Gramerleri (Attributes Grammars) - Semantic	5											
6 Lexical and Syntactic Analysis (Lexical and syntax analsis)	6											
7 Midterm	7											
8 Lexical and Syntactic Analysis (Lexical and syntax analsis)	8											
9 Parsing Problem & LL Grammar Class	9											
10 Parsing Problem & LL Grammar Class	10											
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	- '			General Co	mpetencies							
Defines the concepts of Programming Language, understands the differences between appropriate programming language for the desired writing. resources			gramming Langu	age, underst	ands the differ guage for the d			te programming				
Robert, W., Concepts of Programming Languages, Pearson Ninth Edition.	Robert, W., C	oncepts of Pro	gramming Lang	uages, Pears	son Ninth Edit	ion.						
Evaluation System				Evaluatio	n 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	
L01	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												
Contri bution			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