Course Name : The Compilators								
Course Code	Course Type	Regular Semester	Lecture (hours/wee k)	Seminar (hours/wee k)	Lab. (hours/wee k)	Credits	ECTS	
CMP 116	В	Spring	3.00	1.00	0.00	3.50	5.00	
	Lecturer Alma Hyra, Msc							
Assistant								
Course language		Albanian						
Course level		Bachelor						
Description								
	Objectives							
Co	re Concepts							
Course Outlin	e							
Week	Topic							
1	Introduction							
2	A Simple Syntax-Directed Translator I							
3	A Simple Syntax-Directed Translator II							
4	Lexical Analysis							
5	Lexical Analysis(Finite Automata, NFA)							
6	Syntax Analysis (DFA)							
7	Review							
8	Midterm							
9	Syntax Analysis (DFA) ys							
10	Syntax Analysis Top-Down Parsing I							
11	Syntax Analysis Top-Down Parsing II							
12	Syntax Analysis Bottom-Up I							
13	Syntax Analysis Bottom-Up II							
14	Syntax Analysis Bottom-Up III							
15	Review							

Final Exam

Prerequisites		The student must attend the course at a minimum rate of 75%.		
Literature		• Alfred V. Aho, Monica S. Lam, Ravi Sethi, Jeffrey D. Ullman, Compilers - Principles Techniques, and Tools, Second Edition, 2007, Pearson/Addison Wesley		
References				
Course Outcome				
1	Sudent learns the structure of compilers.			
2	The student learns to build a compiler.			
3	The student learns the stages in which a source program passes to be translated by the compiler into a language understandable and executable by machines.			

Course Evaluation

In-term Studies	Quantity	Percentage
Midterms	1	30
Quizzes	0	0
Projects	1	30
Term Projects	0	0
Laboratory	0	0
Class Participation	1	10
Total in-term evaluation percent		
Final exam percent		
Total		

ECTS Workload (Based on Student Workload)

Activities	Quantity	Duration (hours)	Total (hours)	
Course duration (Including the exam week: 16x Total hours of the course)	16	4	64	
Study hours outside the classroom (Preparation, Practice, etc.)	14	3	42	
Duties	1	5	5	
Midterms	1	9	9	
Final Exam	1	10	10	
Other	0	0	0	
Total Work Load				
Total Work Load / 25 (hours)				
ECTS				