

Course Name : Computer Organization							
Course Code	Course Type	Regular Semester	Lecture (hours/week)	Seminar (hours/week)	Lab. (hours/week)	Credits	ECTS
CMP 119	A	Fall	3.00	1.00	0.00	3.50	5.00
Lecturer		Artur Koci, PhD					
Assistant		Krisien Xoxa, Msc					
Course language		English					
Course level		Bachelor					
Description							
Objectives							
Core Concepts							
Course Outline							
Week	Topic						
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16	Final Exam						

Prerequisites	The student must attend the course at a minimum rate of 75%.		
Literature	• Organizimi dhe Arkitektura e Kompjuterave- Agim Cami. Leksione te pergatitura nga pedagogu i lendes.		
References	• Carl Hamacher, Zvonko Vranesic, Safëat Zaky and Naraig Manjikian, “Computer Organization and Embedded Systems”, Sixth Edition, McGraë, Hill, 2012. 2. Carl Hamacher, Zvonko Vranesic and Safëat Zaky, “Computer Organization”, Fifth Edition, Tata McGraë, Hill, 2002.		
Course Outcome			
1	Kuptojnë njohuri themelore për ndërtimin e njësisë qendrore të procesorit duke përdorur logjikën portave digitale		
2	Kuptojnë njohuri themelore për funksionimin e strukturës së kontrollit te procesorit qendror		
3	Kuptojnë njohuritë bazë te sistemit I/O		
4	Të kuptojnë micro-arkitekturën e procesorit dhe teknologjinë pipeline.		
5	Të kuptojnë organizimin e memorjes, memorjen virtuale dhe cache.		
6	Të kuptojnë funksionimin e mekanizmit të hyrje-daljeve.		
Course Evaluation			
In-term Studies		Quantity	Percentage
Midterms		1	30
Quizzes		0	0
Projects		1	10
Term Projects		0	0
Laboratory		0	0
Class Participation		1	10
Total in-term evaluation percent			50
Final exam percent			50
Total			100
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	0	0
Midterms	1	8	8
Final Exam	1	12	12
Other	1	2	2
Total Work Load			128
Total Work Load / 25 (hours)			5.12
ECTS			5.00