	Level		First cycle				
Program	Name of the pr	rooram		Computer	Scien	ce, Mathemat	tics and
	1		Informatics Edu	ucation			
Course title	1		DURSE	Lotaro alvo			
Course title Course code	Semester	Course status	Computer N	ECTS		ontact hours (L+	
Course code CS 270	IV	Mandatory cours		EC13 5		+0+2	·AE+LE)
Lecturer		Mandatory cours	e	5	27	-0+2	
Course Goals	- Build an ur	he course, the stud nderstanding of the the student with g area.	e fundamental c	concepts of			computer
Learning Outcomes	 Independer Understand Identify the Enumerate layer. Identify the Understand Familiarity 	ng this course the s ntly understand ba d and explain Data e different types of the layers of the e different types of d and build the skil with the basic pro twork design and i	sic computer ne Communicatio f network topole OSI model an f network device lls of subnetting ptocols of comp	etwork tech ons System : ogies and p d TCP/IP. es and their g and routin outer netwo	anology. and its o rotocol . Explai r function ng mech	components. s. in the function(ons within a netwo anisms.	s) of each work
		0	E CONTENT	·			
 demodulation; Communicatio Local and globanetworks the structure of services ISO-OSI references ISO-OSI references ISO-OSI references Data Layer Lay Data Layer Lay Network layer; Transport layer Session layer; F Standard networ Structure of Inti- Network opera Overview of action [1] A. Tanenbar [2] D. E. Comm [3] William State 	Modems; n networks; Netw al area networks; f global computer ence model; Servi res Communication r rer; Error Control Network topolog r; Functionality of Presentation layer; ork and telecomm ternet; Internet pr ting systems; Cor tvanced computer ex, R. E. Droms, allings, Data & Co Data Communic	transmission; Synd vork architecture; (Topology of local e networks; Networ ce and protocol co nedia; Weakness as l; Selective repetition gy and metrics; Rou f the layer; TCP / 1 ; Application layer. nunication equipmer rotocols; Internet so nfiguring network so r network technoloc LITE Networks (5th edi Computer Commun ations, Computer for DENT WORKLO	Commutation; N computer netwo rk protocols; TC oncept; Function nd distortion. Si on protocol; Gc uting table; Rou IP protocol ent; Configuring services servers ogies CRATURE tion)", Prentice rks and Internet ications; (10th e networks and O	Multiplexing orks; Comr CP / IP pro nality of lay ignal propa o Back N pr tring algorit g computer Hall, 2010 ts, 4th editic edition)", 20	g. municat otocol a vers; Lay agation; rotocol; hms networ	ion in local com nd IP addresses ver interactions a Synchronization ; HDLC protoco :ks	puter ; Network and a problem ol
Lectures 3			Individual		í	Total	125
	GRADING		maividual		REMA		125
	UNADING				NEWIA		

Criterion	Maximum points	Minimum points
Praktični dio	20	10
Midterm exams	40	20
Final exam	40	20
Total	100	55