Basic data of the subject				
Academic unit:	Faculty of E	Ingineering a	and Informatics	
	Applied Inf	ormatics		
Title of the subject:	IT Security			
Level:	Bachelor			
Course Status:	Obligatory			
Year of studies:	II			
Number of hours per week:	3			
Value of Credits - ECTS:	5			
Time / location:				
Course lecturer:	Prof.Ass.Dr.Dhuratë Hyseni			
Contact details:	Dhurate.hyse	eni@ushaf.ne	<u>et</u>	
Course Description:	This course forms of	enables stud attacks, alg	ents to understand porithms for enci	the connection the ryption/decryption,
	protocols fo	r sending d	ata in secure way	through network,
Objectives of the courses	The module	providas a	basia approach t	and IF sec.
Objectives of the course.	The module provides a basic approach to the field of II security as well as problems and issues related to the security			
	of IT systems	ven us probi	ems una issues reia	led to the security
Expected learning outcomes:	Upon successful completion of this course student will be able			
Expected learning outcomes.	<i>Opon successful completion of this course, student will be able</i>			
	10. • Frum	arata tha pr	staativa abiaativas o	f IT security
	• Enun	ieruie ine pro	de how the protect	ion objectives can
	• Enun	surad	as now the protect	ion objectives can
		sureu	tites and accord m	an a com out in such
	• Estat	plish the lael	nny ana access ma	inagement in web
		cations (syste	em naraening)	1 1
	• <i>Map</i>	security issue	es from web to cloud	applications
	• Admi	nistrate secu	rity systems	
Contribution to the student load (which must correspond with learning outcomes)				
Activity		Hour	Day/Week	In total
Lectures with numerical exercises		3	15	45
Internship				
Contacts with teacher / consultations				
Field exercises				
Midterm, seminars and projects.		3	2	6
Homework				
Self-learning time student (at the library or		3	15	45
at home)				
Final preparation for the exam		7	2	14
Time spent on evaluation (tests,	quiz and			
final exam)				
Projects and presentations.	3	5	15	
Total				125

Teaching methodology:	The course takes 15 weeks with 2 hours of lectures and 2 hours weekly individual and group exercises. Exercises will be held in the form of individual and group work in which concrete examples will be discussed. Active participation is extremely important so students are encouraged to attend lectures and exercises regularly and contribute to the discussions that take place in lectures. Lectures, exercise, individual work, discussions and group work.	
Assessment methods:	Final Exam 50% Course work 50%	
The ratio of theory and	70% theory with exercises and 30% laboratory work	
practice:	70% meory with exercises and 50% indoratory work.	
Literature	<u></u>	
Basic Literature:	1. Conklin A. White G .: Principles of Computer Security. Mc Graw Hill, 2nd edition, 2010	
Additional Literature:	2. Stallings W., Brown, L .: Computer Security Principles and Practice- Pearson, 2012	
Designed learning plan	, , , , , , , , , , , , , , , , , , ,	
Week:	Lectures and exercises to be held	
Week one:	Introduction to Computer Security.	
Week two:	Cryptography.	
Week three:	Cryptography (continued)	
Week four:	Authentication & Authorization.	
Week five:	Security threads.	
Week six:	First evaluation	
Week seven:	Secure communication protocols.	
Week eight:	Firewalls and Intrusion Detection Systems.	
Week nine:	Business Continuity.	
Week ten:	Disaster Recovery.	
Week eleven:	Risk assessment.	
Week twelve:	Web Application Security Identity.	
Week thirteen:	Access Management Security.	
Week fourteen:	Safety in the Web Management of security systems hardening	
	Cloud Security	
	Ciou Scenny.	
Week fifteen:	Second evaluation	

Regular attendance of lectures and exercises is necessary, as well as active participation with discussion and solution of tasks. Not impeding the progress required for learning using mobile phones turned off or in silent mode.