



**University of Prizrenit**

<b>Programme on Teaching – SYLLABUS</b>						
Level of studies	Bachelor	Program	F.K.S	Academic year	2018/19	
Case	<b>SECURITY IN IT</b>					
<b>YEAR</b>	II	<b>Status of case</b>	Mandatory	<b>Code</b>		<b>ECTS</b>
<b>Semester</b>	6					6
<b>Teaching weeks</b>	15		Cassese 60		Lectures	Exercise
					2	2
<b>Methodology of Teaching</b>	<ul style="list-style-type: none"> <li>• Presentation of learning theme in PowerPoint</li> <li>• Case study or task (for the time of exercise) on the subject of lecture</li> <li>• Repeat the previous topic assigned by the group of students, analysis and discussion</li> <li>• Laboratory exercises in parallel with lectures</li> </ul>					
<b>Consolations</b>						
<b>Teacher</b>	Prof.Asoc.Dr. Naim BAFTIU		e-mail	<a href="mailto:naim.baftiu@uni-prizren.com">naim.baftiu@uni-prizren.com</a>		
			Tel.	+338344234018		
<b>Assistance</b>	Prof.Asoc.Dr. Naim BAFTIU		e-mail	<a href="mailto:naim.baftiu@uni-prizren.com">naim.baftiu@uni-prizren.com</a>		
			Tel.	+338344234018		

<b>Case study goal</b>	<b>Benefit of students</b>
<p>The material is described as new to strengthen and emphasize the fundamental understandings on security grounds giving basic concepts and illustrate methods for solving security problems in IT.</p> <p>In the exercises they are given many practical examples that provide sufficient grounds for solving numerical problems to discuss ways of solving the problem and information technology security.</p>	<p>Students will be able to design and implement data security information technology.</p> <p>Application software programs should be provided in a permanent way and without interrupting starting up the operating system of the Internet network.</p>

<b>The methodology for the realization of educational topics:</b>
The course will be organized in the form of lectures and exercises. As a rule, the lectures will be organized through presentations. Also, through conversation during lectures and exercises will be possible to deepen the knowledge about certain topics from the course.
<b>Conditions for the implementation of teaching topic:</b>
<b>Student assessment method (in %)</b>

	Assessment%	Final Score
A seminar paper ..... 20%	Up to 10 points and these points are estimated to total test scores from test and. Of 10 points and these points are assessed on their total score from exam and final test.	51-60% .....nota 6 61-70.....7 71-80.....8 81-90.....9 91-100.....10
EXAMS-1..... 40%	50% of possible points + 1 point test considered successful and scores from the Colloquia added points from the final exam	
EXAMS-2..... 40%	50% of possible points +1 point estimated positive test. These points are added points from seminar work and to draw test final assessment.	

**Student obligations:**

**Lectures**

The student must be regular lectures and exercises, the use of all opportunities for learning knowledge, to use literature obliged and wider, to be active and to respect the rules on higher education ethics courtesy and cooperation.

**Exercises**

The student must be active in exercises and reflect willingness and knowledge initiatives, ideas and demonstration of knowledge gained in lectures.

**Loads of student case:**

Activity	H	Day/week	Total:
Lectures	2	15 week	30 h
Exercise	2	15 week	30 h
Tutorial			
Contacts with the teacher / consultations	0,5	15 week	7.5 h
Field exercises			
Seminars	0	15 week	0
Homework			
Time self-learning	2	15 week	30
Final preparation for the exam	1	15 week	15
Time spent on evaluation (tests, quizzes, final exam)			
Project, prostrations..			

Note: 1 ECTS credit = 25 hours of engagement, if the case has p.sh 2 ECTS credits student must have 50 hours during term commitment			<b>total:</b>	120
Java	<b>Lectures</b>	<b>Exercise</b>		
1-2	<b>Topic</b>	<b>H</b>	<b>Topic</b>	<b>h</b>
	<ul style="list-style-type: none"> <li>- Information Security Risks.</li> <li>- Standards, Policies and Procedures for Securities TI</li> <li>- Cryptography and Steganography</li> </ul>	4	Exercises in: <ul style="list-style-type: none"> <li>- Ratings Information</li> <li>- Distribution of controls</li> <li>- Levels of responsibility.</li> </ul>	4
3-4	<ul style="list-style-type: none"> <li>- Safety Information</li> <li>- DESIGNATION OF STANDARDS</li> <li>- Denial of Service Attacks - Tender.</li> <li>- ASSESSMENT OF THE RISKS OF SECURITY.</li> <li>- CHOICE security checks.</li> <li>- STARTING POINT FOR SAFETY INFORMATION.</li> <li>- The goals of the program for information security.</li> </ul>	4	Exercises in: <ul style="list-style-type: none"> <li>- Fraud computer</li> <li>- Espionage,</li> <li>- Sabotage,</li> <li>- Vandalism,</li> <li>- Fires or floods.</li> <li>- Malignant programming code, computer hacking and denial of service attacks (Denial of Service Attacks -Tender).</li> </ul>	4
5-6	<ul style="list-style-type: none"> <li>- Standards,</li> <li>- Policies and</li> <li>- Safety Information Procedures</li> <li>- The objectives of the Organization:</li> <li>- Creation,</li> <li>- Implementation and</li> </ul>	4	<ul style="list-style-type: none"> <li>- Removal of standards for information security.</li> <li>- _ Creation of information security infrastructure.</li> <li>- _ ISO / IEC 27000 Summary and Vocabulary.</li> <li>- ISO / IEC 27001 ISMS Requirements</li> </ul>	4
7-8	<ul style="list-style-type: none"> <li>- Infrastructure and security of computer networks</li> </ul>	4	<b>Exercises in:</b> Infrastructure and physical security of computer networks. What it is a Firewall works (access control policy). Security holes Security bugs	4

9.	<ul style="list-style-type: none"> <li>- Firewalls</li> <li>- Classes Firewall's.</li> <li>- Types of Firewall Filter (Filtering Firewalls).</li> <li>- Unified Threat Management (UTM)</li> </ul>	2	<b>Exercises in:</b> <ul style="list-style-type: none"> <li>- Appliance-based firewalls.</li> <li>- Server-based firewalls.</li> <li>- Integrated firewalls.</li> <li>- Packet-filtering firewall</li> </ul>	1
10-11	<b>Exams-1 -contusions</b>	4	<b>Exams -1 -consolutions</b>	4
12-14	<ul style="list-style-type: none"> <li>- Intrusion Detection Systems (IDSs).</li> <li>- Intrusion Prevention Systems (IPS).</li> <li>- Characteristics of IPS and IDS are three</li> </ul>	6	<ul style="list-style-type: none"> <li>- Shout us:</li> <li>- Intrusion Detection Systems (IDSs).</li> <li>- Examples of different interventions (Intrusion) common.</li> <li>- Implementation in Network (improvisation connectivity and security trailer).</li> </ul>	6
15.	<p>The concepts of defence and security of operating systems.</p> <ul style="list-style-type: none"> <li>_ Security problems.</li> <li>_ Authentication (Authentication)</li> <li>_ Windows security support</li> </ul> <p><b>Exams 2 Consolutions</b></p>	2	<b>Exercises in:</b> Windov-site security authentication Data base for local or domain users (SAM or AD). Breach of Security: Unauthorized reading of data (information theft). Unauthorized modification of data. Unauthorized destruction of data Security measures: Physical security User Authorizations <b>Exams -2</b>	1

## LITERATURA

- The proposed literature and other resources:
- Operating System Concepts–9th Edition, Silberschatz, Galvin and Gagne.
- The History of information security: Comprehensives handbook edited by Karl Maria Michael de lee, Jan Bergstra.
- Dispense e lecturer of security IT.
- <http://ospp.cs.washington.edu>
- <http://sourceforge.net>
- <http://training.linuxfoundation.org>

<b>Remarks</b>
<ul style="list-style-type: none"><li>✓ In general lecture presentations will be made through PowerPoint system, table, use of materials and computer programs and the Internet.</li><li>✓ Also, the professor will be provided additional material (papers, publications, bulletins and national as well as the latest research findings).</li><li>✓ In the absence of the possibility that practical work is organized every week, in collaboration with the University management, this activity will be organized on certain days, organizations, companies, ltd, farms, processing manufacturing unit.</li><li>✓ During each session will be organized and accessibility of conversation with students.</li></ul>
<b>Remarks for students :</b> <ul style="list-style-type: none"><li>➤ The students are required to be regular in the lectures and exercises.</li><li>➤ The contribution of students during the final conversation and</li><li>➤ Students will be assessed.</li><li>➤ Arrival time at lectures and exercises is mandatory.</li></ul>