



Меѓународен Универзитет Визион - International Vision University
 Universiteti Ndërkombëtar Vizion - Uluslararası Vizyon Üniversitesi

Adres: Ul. Major C. Filiposki No.1, Gostivar – Kuzey Makedonya
 tel: +389 42 222 325, www.vizyon.edu.mk, info@vizyon.edu.mk

SYLLABUS

COURSE NAME	COURSE CODE	SEMESTER	COURSE LOAD	ECTS
CYBER SECURITY	CEN-3012	6	150	5

Prerequisite(s)	None
------------------------	------

Course Language	Macedonian, Turkish, English
Course Type	Elective
Course Level	First Cycle
Course Lecturer	
Course Assistants	
Classroom	
Extra-Curricular Office Hours and Location	

Course Objectives	The student will be introduced to the concept of cyber security, threats and risks. He will be aware of the problems caused by cybercrime and will be able to understand the risks of attacks and the basic mechanisms to protect against them.
Course Learning Outcomes	This course considers the contemporary cybersecurity threat landscape facing organizations. Students apply various risk frameworks to provide structure to the decision-making needed to invest in resources for security controls and countermeasures. Multiple strategies are explored, including policies, procedures, training, strategic alliances, technologies, and methodologies, especially drawing upon risk management and financial decision-making that are used in other sectors of an organization.
Course Contents	Topics include qualitative and quantitative risk analysis, audits, metrics, vulnerability assessment, capital budgeting, return on security investment, legal and regulatory compliance, and security best practices. The course will prepare students to be successful in taking on leadership roles in assuring the security of an organization's operations.

WEEKLY SUBJECTS AND RELATED PREPARATION STUDIES

Week	Subjects	Related Preparation
1	Introduction to Cybersecurity	Related Chapters of Course Sources
2	Roadmap for Addressing Cybersecurity Cyber Risk Management	Related Chapters of Course Sources
3	Cybersecurity Governance and Planning Economics of Cybersecurity Risk Management	Related Chapters of Course Sources
4	Risk Analysis and Frameworks Asset Valuation and Loss Assessment	Related Chapters of Course Sources
5	Cyber Threats and Vulnerability Analysis Risk Response Activities	Related Chapters of Course Sources
6	Business Case for Cybersecurity	Related Chapters of Course Sources
7	Mid-term Exam	Related Chapters of Course Sources
8	Cost/Benefit Analysis Return on Cybersecurity Investment	Related Chapters of Course Sources
9	Cybersecurity Controls and Protection Mechanisms Implementing Cybersecurity Programs	Related Chapters of Course Sources
10	Cybersecurity Controls and Protection Mechanisms Implementing Cybersecurity Programs	Related Chapters of Course Sources
11	Cyber in Financial Services	Related Chapters of Course Sources
12	Cyber War	Related Chapters of Course Sources
13	Project Presentation-1	Related Chapters of Course Sources
14	Project Presentation-2	Related Chapters of Course Sources
15	Final Exam	Related Chapters of Course Sources

ECTS / WORKLOAD TABLE

Presentation / Seminar			
Hours for off-the-classroom study (Pre-study, practice)	14	3	42
Midterm Exam	1	12	12
Final examination	1	14	14
Total Work Load			
ECTS		6	

GENERAL PRINCIPLE RELATED WITH COURSE

Dear students,

You need to be included in the flow, please follow the course of learning and using that to achieve our success you deserve, you need to practice every day on topics that are covered by the course. It takes practice reading basic and auxiliary literature that is strictly recommended. You should visit classes course I need to make an effort to visit all the professors' lectures. Your activity on the session will be assessed by your professors and the Battle active participant in the discussions that will take place during the time. Students visiting lectures for all at the end if an additional 15 points.

SOURCES

COMPULSORY LITERATURE		
No	Name of the book	Author's Name, Publishing house, Publication Year
1	Да се види невидливото – Разузнавањето за националната безбедност во несигурно време	Tomas KWIGIN MAGOR ,2009
2	Uygulamalı Siber Güvenlik ve Hacking	Mustafa Altınkaynak Abaküs ,2017
3	Cybersecurity and Cyberwar	P. W. Singer Oxford University Press,2014

ADDITIONAL LITERATURE		
No	Name of the book	Author's Name, Publishing house, Publication Year
1	Međunarodni aspekt sajber ratovanja	Mladenović, Dragan Medija centar Odbrana,2012
2	Siber Politika ve Siber Güvenlik	Nezir Akyeşilmen Orion Kitabevi (Ankara),2017

3	Cybersecurity for Beginners	Raef Meeuwisse Cyber Simplicity Ltd,2017
----------	-----------------------------	---

EVALUATION SYSTEM

Underlying the Assessment Studies	NUMBER	PERCENTAGE OF GRADE
Attendance/Participation	15	% 10
Project / Event	1	%20
Mid-Term Exam	1	%35
Final Exam	1	%35
TOTAL	17	%100

ETHICAL CODE OF THE UNIVERSITY

In case students are cheating on exams or preparation the same, it is not making reference to the source to be used in studies, as for example in assignments, projects and presentation (plagiarism), in accordance with legislations by Ministry of Education and Science of the Republic of Macedonia and International Vision University, apply relevant disciplinary rules. International Vision University students are expected never attempts in this kind of behavior.