

Course Unit Title:	Cybercrime Concepts and Legal Considerations
Course Unit Code:	CSC460
Type of Course Unit: (Compulsory/Optional)	Optional
Level of Course Unit: (first, second or third cycle)	Bachelor (1st cycle)
Year of Study:	4
Semester when the unit is delivered:	7 or 8
Number of ECTS credits allocated:	6
Name of lecturer(s):	TBA
Learning Outcomes of the course unit:	
<p>Upon successful completion of this course students should be able to:</p> <ul style="list-style-type: none"> • Discuss the history of cybersecurity and cybercrime • Recognize the main cybercrime concepts and terminology • Identify and discuss common types of cybercrime • Discuss digital forensics mechanisms for common types of cybercrimes • Recognize current laws, practices and other legal considerations of cybercrime 	
Mode of Delivery:	Face- to- face
Prerequisites and co-requisites:	CSC190 or equivalent introductory course on Computer Fundamentals & Applications
Recommended optional program components:	None
<p>Course Contents:</p> <p>Objective:</p> <p>This course provides an introduction to the field of cybercrime. Students will be introduced to the main technological concepts and terminology of cybercrime, and they will gain an understanding of the current cybercrime legal considerations.</p>	

Description:

Basic Concepts

Definitions: Cybercrime and Digital Crime. Brief History and Evolution Of Cybercrime. Cybercriminals.

Cybercrime Tools and Methodologies

Illegal Access (Hacking) Techniques: Phishing, Password Cracking, Software Cracking, Packet Sniffers, Keyloggers, Viruses And Worms, Trojan Horses, Email Spoofing, IP Spoofing, SQL Injection, Buffer Overflow, Social Engineering Techniques, Special Techniques for Mobile Devices.

Cyberattacks: Email Bombing, E-mail Spamming, Denial-Of-Service (DOS) and Distributed Denial-Of-Service (DDOS) Attacks, Attacks on Mobile Devices.

Types of Cybercrime

Digital Piracy: Software Piracy, Copyright Infringement, Theft of Software Code and Documentation, Unlawful use of Trademarks.

Economic Crimes and Online Frauds: On-Line Auction Frauds, Ponzi & Pyramid Schemes, Cyberlaundering, Identity Theft & Fraud, Organised Crime in Cyberspace.

Child Pornography, Prostitution and Sex Crimes: The Grooming Process, Buying Wives and Prostitutes Online.

Cyberbullying, Cyberstalking, & Online Harassment: Bullies and Stalks, Technologies of Cyberbullying & Cyberstalking, Avoidance Strategies.

Cyberwarfare & Cyberterrorism: Cyberwarriors and the Cyber Battlespace, Defensive Strategies.

Legal Considerations of Cybercrime

Digital Forensics: Examining Online Investigations and Sting Operations. Seizure of Digital Evidence. Evidence collection, preservation, management and effective use. Executing a Search Warrant for Digital Evidence. Legal Issues in the Admission of Digital Evidence.

Cybercrime Law Considerations: Challenges in applying traditional criminal law instruments. Current Cypriot, EU and international legislation. Jurisdictional issues. International cooperation.

<p>Recommended or required reading:</p>	<p>R. Moore, Cybercrime: Investigating High-Technology Computer Crime, Routledge, 2010</p> <p>TJ Hold, Cybercrime and Digital Forensics: An Introduction, Routledge, 2015</p> <p>R. Clifford, Cybercrime: The Investigation, Prosecution and Defense of a Computer-related Crime, Carolina Academic Press, 2011</p> <p>J. Curtis, The Law of Cybercrimes and Their Investigations, CRC Press, 2011</p> <p>R.A. Clarke, Cyber War: The Next Threat to National Security and What to Do About It, Ecco, 2012</p> <p>J. Carr, Inside Cyber Warfare: Mapping the Cyber Underworld, O'Reilly Media, 2011</p>								
<p>Planned learning activities and teaching methods:</p>	<table border="1" style="width: 100%;"> <tr> <td style="width: 60%;">Class Instruction</td> <td style="width: 40%; text-align: center;">42 Hours</td> </tr> <tr> <td>Consultation</td> <td style="text-align: center;">15 Hours</td> </tr> </table>	Class Instruction	42 Hours	Consultation	15 Hours				
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<p>Assessment methods and criteria:</p>	<table border="1" style="width: 100%;"> <tr> <td style="width: 60%;">Examinations</td> <td style="width: 40%; text-align: center;">70%</td> </tr> <tr> <td>Assignment(s)</td> <td style="text-align: center;">25%</td> </tr> <tr> <td>Class Participation</td> <td style="text-align: center;">5%</td> </tr> <tr> <td></td> <td style="text-align: center;">100%</td> </tr> </table>	Examinations	70%	Assignment(s)	25%	Class Participation	5%		100%
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Class Participation	5%								
	100%								
<p>Language of Instruction:</p>	<p>English</p>								
<p>Work Placement(s):</p>	<p>No</p>								
<p>Place of Teaching:</p>	<p>Regular Classroom European University Cyprus, Nicosia</p>								