

Course Title	Cybercrime Concepts and Legal Considerations				
Course Code	CSE425				
Course Type	Elective				
Level	Bachelor (1 <sup>st</sup> cycle)				
Year / Semester	4 <sup>th</sup> year / 8 <sup>th</sup> semester				
Teacher's Name	TBA				
ECTS	6	Lectures / week	3 hours/14 weeks	Laboratories / week	None
Course Purpose and Objectives	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.				
Learning Outcomes	<p>Upon successful completion of this course students should be able to:</p> <ul style="list-style-type: none"> <li>• Discuss the history of cybersecurity and cybercrime</li> <li>• Recognize the main cybercrime concepts and terminology</li> <li>• Identify and discuss common types of cybercrime</li> <li>• Discuss digital forensics mechanisms for common types of cybercrimes</li> <li>• Recognize current laws, practices and other legal considerations of cybercrime</li> </ul>				
Prerequisites	CSE200	Co-requisites	None		
Course Content	<p>Definitions: Cybercrime and Digital Crime. Brief History and Evolution Of Cybercrime. Cybercriminals</p> <p>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.</p> <p>Cyberattacks: Email Bombing, E-mail Spamming, Denial-Of-Service (DOS) and Distributed Denial-Of-Service (DDOS) Attacks, Attacks on Mobile Devices.</p> <p>Digital Piracy: Software Piracy, Copyright Infringement, Theft of Software Code and Documentation, Unlawful use of Trademarks.</p> <p>Economic Crimes and Online Frauds: On-Line Auction Frauds, Ponzi &amp; Pyramid Schemes, Cyberlaundering, Identity Theft &amp; Fraud, Organised Crime in Cyberspace.</p> <p>Child Pornography, Prostitution and Sex Crimes: The Grooming Process, Buying Wives and Prostitutes Online.</p>				

	<p>Cyberbullying, Cyberstalking, &amp; Online Harassment: Bullies and Stalks, Technologies of Cyberbullying &amp; Cyberstalking, Avoidance Strategies.</p> <p>Cyberwarfare &amp; Cyberterrorism: Cyberwarriors and the Cyber Battlespace, Defensive Strategies</p> <p>Digital Forensics: Examining Online Investigations and Sting Operations. Seizure of Digital Evidence. Evidence collection, preservation, management and effective use.</p> <p>Digital Forensics: Executing a Search Warrant for Digital Evidence. Legal Issues in the Admission of Digital Evidence.</p> <p>Cybercrime Law Considerations: Challenges in applying traditional criminal law instruments. Current Cypriot, EU and international legislation.</p> <p>Cybercrime Law Considerations: Jurisdictional issues. International cooperation:</p>										
Teaching Methodology	Face – to – face										
Bibliography	TJ Hold, Cybercrime and Digital Forensics: An Introduction, Routledge, 2017, 2 <sup>nd</sup> edition										
Assessment	<table border="1" style="width: 100%;"> <tr> <td style="width: 60%;">Mid – Term Examination</td> <td style="text-align: center;">30%</td> </tr> <tr> <td>Final Examination</td> <td style="text-align: center;">40%</td> </tr> <tr> <td>Assignments/Lab</td> <td style="text-align: center;">20%</td> </tr> <tr> <td>Class Participation and attendance</td> <td style="text-align: center;">10%</td> </tr> <tr> <td></td> <td style="text-align: center;">100%</td> </tr> </table>	Mid – Term Examination	30%	Final Examination	40%	Assignments/Lab	20%	Class Participation and attendance	10%		100%
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Language	English										