

Dipartimento di Economia e Management



Avviso

Corso di *Organizzazione Aziendale e Sistemi Informativi*

Seminario di

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Cybersecurity: An Organizational Challenge

(Il Seminario sarà in lingua inglese)

Venerdì 30 novembre 2018 dalle 8,45

presso Aula A1 (Polo Piagge)

Overview:

Cyber attacks are impacting companies big or small everyday. It is estimated that over €4 Billions were lost for organizations worldwide in 2017. These cyber attacks include fraud, identity theft, social engineering, and cyber crime that are possible due to limited knowledge and skills about cybersecurity. With the increase use of smart-phone both for personal and professional purposes, many individuals are not aware of the significant danger associated with it when it comes to their personal or professional information. For example, research has documented the dangers of large number of apps from unknown sources, use of non-trusted Wi-Fi, or use of e-mail in distracting environments as critical factors when it comes to cyber attacks. The aim of this course is to provide the appropriate knowledge and skills in cybersecurity to individuals in order for them to prevent or at least mitigate the impact of such cyber attacks in businesses or organizations.

Session Topics:

- ✓ Impact of cyber crime on organizations
- ✓ Cybersecurity concepts and cyber-hygiene
- ✓ Overview of cyber attack types
- ✓ Cyber attack landscape
- ✓ Cyber attack groups and motives
- ✓ Denial of service attack (DoS) and Distributed Denial of service attack (DDoS)
- ✓ Social engineering types and organizational impact
- ✓ Phishing and spear-phishing
- ✓ Business e-mail compromise (BEC)
- ✓ Anatomy of non-trusted WiFi
- ✓ Malware and ransomware
- ✓ Mobile security threats
- ✓ Mobile malware and ransomware
- ✓ Mobile keyloggers
- ✓ Advanced persistence threat (APT)
- ✓ Organizational insider threat
- ✓ Organizational cyber threat mitigation techniques
- ✓ Case discussion and lessons learned for organizations

Relevant Case Study:

Ramim, M. M., & Levy, Y. (2006). Securing e-learning systems: A case of insider cyber attacks and novice IT management in a small university. *Journal of Cases on Information Technology*, 8(4), 24-34. doi: 10.4018/jcit.2006100103