



**Centro di Servizi "Polo Universitario Sistemi Logistici di Livorno"**  
**Dipartimento di Economia e Management**

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**Corso di *Organizzazione Aziendale***

Seminario di

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Department of Information Systems and Cybersecurity

**Nova Southeastern University**

Miami, Florida (USA)

## **Organizational profiles of Cybersecurity**

Martedì 2 aprile 2019 dalle 14.30 alle 17.30

(Il Seminario sarà in lingua inglese e sarà diviso in due parti:

- I) dalle 14.30 alle 15.30: *Fundamentals of cybersecurity*
- II) 15.30 alle 17.30: Organizational profiles of Cybersecurity

presso

Aula Biblioteca del Polo Universitario "Sistemi Logistici"

(Villa Letizia, Via dei Pensieri 60, Livorno)

## **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 Key Topics:**

- ✓ ORGANIZATIONAL INSIDER THREAT
- ✓ ORGANIZATIONAL CYBER THREAT MITIGATION TECHNIQUES

### **Case discussion and lessons learned for organizations**

## **Other 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)