

Cyber and hacking overview lecture

Workshop length: One half-daily session (4 hours)

Course goals: The “Cyber” term is becoming more and more prominent in the last few years, and it seems we keep hearing it almost on a daily basis. Even so, it appears that most of us don’t really understand what “Cyber” really means, and what it encompasses. In this course we are going to cover various topics included in this term, from the world of hacking and phishing to the world of cyber attacks against computer networks and web sites. We will get familiar with common industry terms and attack techniques used by attackers as well as security experts, for protection purposes.

Target audience: Each and every employee in the organization. No background in cyber, hacking or programming is needed.

Curriculum:

- Definition (or lack of it) of Cyber
- What is Hacking all about
- Who are the attackers (From script kiddies to nation-state actors)
- Common attack techniques
 - Phishing
 - MITM
 - Drive-by
 - Ransomwares
 - Cryptojacking
 - Antivirus bypassing
- Recent incidents and examples
- Basic tips for staying secure

Good luck!