



KAMK • University  
of Applied Sciences

## Course 1: Introduction to Cyber Security

# Course description

**Introduction to Cyber Security**  
**5 ECTS**  
**Grading: 1-5**  
**Language: Finnish or English**

Cyber security is an important part of the server infrastructure and everyday life with digital devices. Despite the fact that cyber security is an important part today, it will be an even more important part of data integrity in the future. This course covers basic information about cyber security, explains what cyber security means to the individual, and gives knowledge on how to consider security from the server-side point of view.

Learning outcomes:

1. Scam messages
2. Hashes
3. Encrypting emails
4. After cyber attack
5. Passwords
6. Who owns your data?
7. VPN-services

Course contents:

The need for Cyber security  
Attacks, Concepts and Techniques  
Protecting Your Data and Privacy  
Protecting the Organization  
Will your future be in Cyber security?

