

CPR E 431

## BASICS OF INFORMATION SYSTEM SECURITY

# Malicious Software and Denial of service attacks

### Module Overview



# Module Objectives:

- Introduction to Cryptography Tools
  - By the end of this module you will be able to:
    - ✓ Define Malware and its different types
    - ✓ Define denial of service attack
    - ✓ Understand the different concepts of generating denial of service attack
    - ✓ Implement ICMP/ping requests and learn how it is used in Distributed Denial of Service attack

# Introduction to Information Security

What is a Malicious  
Software

Viruses

Worms and Social  
Engineering

Malware  
Countermeasures

What is a Denial of  
Service Attack

Distributed Denial of  
Service Attack

