Network and Web Security

Prerequisites

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Course web page: https://331.cybersec.fun

Course content

- Topics
  - Threat modelling
  - Pentesting
  - Network security
  - Web application security: server-side
  - Browser security
  - Web application security: client-side
  - Secure sessions and authorization
  - Web based fingerprinting and tracking
- Exam
  - Each exam question will be roughly half written, half practical
  - You will submit the written answers electronically via *Answerbook* web app
  - You will perform practical tasks such as code review and pentesting, and report results on Answerbook

Pre-requisites

- Highly beneficial to have knowledge of
  - Computer networking
  - Linux shell
  - Web applications
  - At least one scripting language
- Students without a Computing background have managed to enjoy, pass, and do well in the course
- Additional effort will be necessary if pre-requisites are missing
  - Independent reading on computer networks
  - Familiarising with Linux shell commands
  - Self-study JavaScript and PHP
    - Aim to be able to read code and understand it, no need to build complex applications using those languages for this course