

# IT Security

## Application Security & SDLC

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# Curriculum 2nd Semester

1. Open Web Application Security Project (OWASP)
2. XSS
3. Injection
4. Authentication Flaws
5. Authorization Flaws
6. Sensitive Data
7. Insecure Dependencies & Configuration
8. XXE & Deserialization
9. Secure Development Lifecycle

# Schedule

- Thursdays, 09:15 - 12:00
- 9 lectures (01.08. - 26.09.19)
- Exceptions ~~12.09.~~ and ~~26.09.~~ have been moved to
  - Tuesday, 30.07. (12:30 - 15:00) and Friday, 13.09. (09:15 - 12:00)


## Test Exam


- Monday, 30.09.2019 (90min)
- 09:15 - 10:45 / Audimax
-  Covers topics from both semesters

# System Requirements

To perform the exercises on your private computer you need

- *either* [Node.js](#) (10.x or 12.x)
- *or* [Docker](#)
- *or* [Vagrant](#)

 *On the university computers Node.js should already be available. You can verify this by running `node -v` on the command line. It should display an 10.x (or higher) version.*

 *You can always fall back to your personal laptop for the exercises as it should be free from virtualization, proxying or installation hurdles!*

# Recommended Resources

- OWASP: [OWASP Top 10 - 2017](#)
- OWASP: [OWASP Cheat Sheet Series](#)

## Literature Recommendations (*optional*)

- Kimminich: [Pwning OWASP Juice Shop](#), 2019
- Stuttard, Pinto: The Web Application Hacker's Handbook 2, 2011

# Awesome Web Security

Curated list of Web Security materials and resources.

<https://github.com/qazbnm456/awesome-web-security>

