

# **IT Security**

## **Application Security & SDLC**

**by Bjoern Kimminich**


# 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

- **xxxxxxxxxxx, xx:xx - xx:xx**
- 9 lectures (xx.xx. - xx.xx.19)

## Test Exam

- **xxxxxxxxx, xx.xx.19** (90min)
- **xx:xx - xx:xx** / Audimax
-  Covers topics from both semesters

# System Requirements

To perform the exercises on your private computer you need

- *either* [Node.js](#) (8.x or 9.x)
- *or* [Docker](#)
- *or* [Vagrant](#)

**i** *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 8.x (or 9.x) version.*

# Recommended Resources

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

## Literature Recommendations *(optional)*

- Kimminich: [Pwning OWASP Juice Shop](#), 2018
- Stuttard, Pinto: The Web Application Hacker's Handbook 2, 2011