






CSE 791

Security of Systems, Networking, and IoT

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  TBA  TBA  3 cr.  No-textbook

Learning Objectives

- Identify threats, risks, and attack vectors
- Understand **guarantees** and **limitations** of existing **defense** mechanisms
- Gain **hands-on** experience with state-of-the-art **research tools**

Course Description

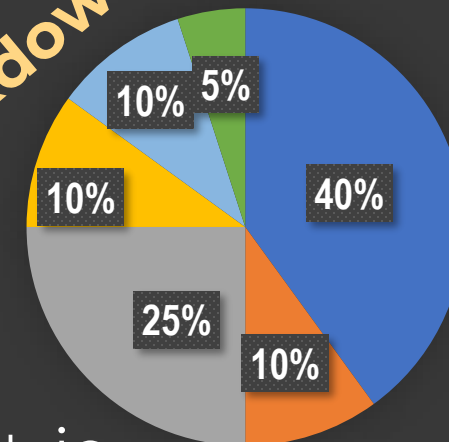
Focus: tackling security threats in real-world systems (e.g., OS), protocols (e.g., SSL/TLS), libraries, and IoT platforms. In particular,

- Automated detection of vulnerabilities
- Defenses to mitigate threats

Goals: engage students in

- Studying/discussing research articles
- Conducting a research-based project
- Leading to a successful publication

Grading Breakdown



- Semester project
- Project presentation + Report
- Labs (2 or 3)
- Paper presentations
- Review writeup
- Class participations

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