



E0256 Aug 3:1

Theory and Practice of Computer Systems Security

Instructor

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Teaching Assistant

Email:

Department: CSA

Course Time:

Lecture venue:

Detailed Course Page:

Announcements

Brief description of the course

E0-256 seeks to equip students with the fundamental principles and practice of computer systems security.

The course will cover the major techniques of offense and defense, thereby educating students to think both as attackers and defenders. By the end of the course, students will have been exposed to the state of the art, and will be equipped with the background to start conducting original research in computer systems security.

Prerequisites

None

Syllabus

Common types of attacks, such as memory error attacks and various sandboxing techniques to detect and prevent these attacks. Applications to areas such as cloud computing, mobile computing and the Web.

Course outcomes

Most of the state of the art to start conducting basic research in computer systems security

Grading policy

20% assignments, 35% mid-term, 45% final

Assignments

Resources