İTÜ
BLG459E Computer Security

Syllabus

Dr. Şerif Bahtiyar

Fall 2024

Outline

Week	Content
02.10.2024	Introduction to the course and basic concepts of computer security
09.10.2024	Basic cryptography (project groups deadline 10.10.2024)
16.10.2024	Human factors
23.10.2024	Malicious software
30.10.2024	User authentication
06.11.2024	Access control
13.11.2024	Midterm
20.11.2024	Fall Break
27.11.2024	Software security and operating system security (report deadline 30.11.2024)
04.12.2024	Trusted computing
11.12.2024	Intrusion detection
18.12.2024	Firewalls and intrusion prevention
25.12.2024	Project presentations-1
01.12.2025	New Year
08.01.2025	Project presentations-2

Grading

Grading Policy

- Midterm   : 20% (results -> last week of the semester)
- Term Project   : 40 (30+10)% (report + presentation - a research project)
- Final   : 40%
- Extra Points   : ?
- Final Condition (VF) or FF
  - Participating to your own term project presentation
  - Midterm + Term Project + Extra Points > 40
  - Satisfy İTÜ minimum requirements (look at İTÜ Regulations)

TA: M. Selahaddin Şentop, Burcu Sönmez Sarıkaya

Text Book: William Stallings, Lawrie Brown, Computer Security: Principles and Practice, 4th edition, 2018

Other References: -Ross Anderson, Security Engineering, 2nd edition, 2008
                                - Matt Bishop, Introduction to Computer Security, 2004