The main goal of the course is granting the students with the ability to research and analyze the security level of various operating systems (Windows, Linux, Android, etc.). During the course, various real-time examples of OS based attacks and suitable countermeasures will be provided. Students will practice the process of hands-on activities and experience. Moreover, the course is an introductory to advanced courses the field.

- (Rootkits)
- (EMET/Heap Hardening/ASLR)
- (Sandboxing)
- (Jobs, Integrity Levels)
- (System Calls Filtering) Application Whitelisting, API Filtering
- (BIOS, Loader, Kernel Bootstrap, KM, UM)
- (Windows, Android, Linux, Security Boot)
- (Windows, Android, Linux, iOS Virtualization) Security-1
- (Windows, Android, Linux, iOS Security-1 Trusted Computing, PatchGuard, Windows, Android, Linux, dni)
- ( dni)
- ( dni)
- ( dni)
- ( dni)
- ( dni)
- ( dni)
מרכבים ציון הקורס

- ערך עבודה - 50%
  - תרגיל 1 - 15%
  - תרגיל 2 - 15%
  - מבחן מסכם - 20%
  - מבחן מסכם - 50%

ספרי עזר: