

Course title: Digital forensics

Course code: 63530

ECTS: 6

Professor: Andrej Brodnik

Master's program

Prerequisite knowledge (please be specific if possible):

- basic course on computer architecture
- basic course on operating systems
- basic course on computer networking

Short course description (max half of the page):

Probably one of the biggest charms of Computer Science is, that it appears so frequently connected to other disciplines. Digital forensics is yet another of this areas. It is a branch of forensic science, which deals with acquisition and analysis of data related to digital equipment. The later are often connected to computer crime. The course is split into two parts. In the first one we will look into basics of digital forensics that need to be respected when performing forensic activity, that its outcomes are acceptable in the court of law. In the second, larger part, we will look at various operating systems and communication technologies. In detail, we will look at various technological procedures that are necessary to make collected data admissible in a court of law.

Student duties consists of assignments (quizes), two lab assignments where they simulate a criminal investigation, and an essay where they meet the most contemporary research in the area.