

MIS121 COMPUTER HARDWARE

Course Syllabus, 2021-2022 Fall Semester

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Lecture Date, Time and Place: Monday, 16:00-18:00, Laboratory 6

Office Hours: Monday, 11:00-13:00, Office (B6) or Zoom by E-Mail Appointment

Objectives and Methods

The course aims to comprehend the functions of hardware units, detect technical problems, perform operating system installation and understand the working principles of hardware in the context of Industry 4.0. Demonstration, problem-solving, case study, and peer learning methods are used in the course.

Attendance

According to the regulations of the university, 70% (10 weeks) of attendance at the lessons is required. Absent students are given a grade of NA (unsuccessful due to absenteeism). Students who take the course again due to absenteeism are required to continue the course. Students who fail with an FF grade or take the course again to raise their grades are not required to attend the course. Working students are required to adjust their working hours according to the course hours. Medical reports and disciplinary penalties are counted as absenteeism.

Course Plan

The course plan is based on the CompTIA A+ Certification.

1. Introduction to the Course
2. Components of System Unit
3. Peripherals: Inputs and Outputs
4. Computer Networks and Internet
5. Computer, Network and System Security
6. Disassemble and Assemble the Case (G1)
7. Disassemble and Assemble the Case (G2)
8. Technology Trends in Practice
9. Information Technology Infrastructure
10. Virtualization and Virtual Machine Setup
11. Operating System and Driver Installation
12. Development Boards for Prototyping
13. Automatic Recognition and Data Collection
14. Cyber-Physical Systems

Measurement and Evaluation

- **Midterm Exam (40%) + Final and Make-Up Exams (60%)**

Exams consists of different types of questions such as short answer, fill in the blank, and matching. All topics covered during the semester are included in the Final and Make-Up Exams.

The Make-Up Exam replaces the Final Exam. According to the regulations of the university, at least 40 must be taken from these exams. Speaking in a language other than Turkish and English in exams is prohibited and is considered cheating.

Sources and Applications

Documents, readings and videos that support the lectures are shared through the learning management system (Haliç-X). Notes should be taken in class, as not everything covered in the lesson is shared.

Total: CompTIA A+ Certification (220-1001) & (220-1002) (Mike Meyers) courses can be followed on Udemy.

Grading

The grading scale is as follows. Students with a grade below 50 fail the course.

AA	86-100	BB	74-79	CC	62-67	DD	50-55
BA	80-85	CB	68-73	DC	56-61	FF	0-49