

Course syllabus for ERASMUS+ incoming students

Course Title	
Computer Hardware and IT Systems Fundamentals	
Academic Teacher	mgr inż. Przemysław Grobelny
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ECTS credits	5
Number of hours	120
Course code	INT-IPI-CHIT-26
Course description	
The course provides fundamental knowledge of computer architecture and hardware, including CPU, RAM, motherboards, storage systems, and input/output devices. It covers hardware configuration, cooling and power supply systems, and the role of hardware in IT systems. Students develop the ability to identify and understand key hardware components and use basic technical English terminology related to computer systems.	
Learning outcomes - course content	
Computer architecture CPU, RAM, motherboard Mass Storage and Storage Systems Input-output devices Hardware configuration Cooling and power systems Hardware in IT systems Technical English	
Student workload (self-study description)	
Preparation – 20h Study – 20h Project – 30h Presentation – 10h Exam preparation – 20h	
Literature	
Patterson D., Hennessy J., Computer Organization and Design Mueller S., Upgrading and Repairing PCs Cisco Networking Academy materials	



Klekot T., Marciniuk T., Urządzenia techniki komputerowej