

Óbuda University Bánki Donát Faculty of Mechanical and Safety Engineering		Insitute of Mechatronics and Vehicle Engineering			
Subject title and code:		IT Networks BMXIH6BNE			Credits: 3
Full-time study		2023-2024	ac. 2	semester	
		year			
The course is available at:		mechatronical engineering			
Supervised by:		Dr Laufer Edit	Instructors: Lourdes Ruiz Salvador		
Prerequisite (neptun code):		Informatics I, BMXIA1HBNE			
Weekly number of lessons					
Lecture: 1	Group seminar:	Lab: 2	Consultation:		
Way of assessment:		Midterm (Written) mark			
Online consultation (in case it's required): ... (BBB link)					
Edu. goal:		Students learn about the structure and working principles of computer networks. They acquire knowledge about TCP/IP protocol implementing principles, the structure of the Internet, and the functioning of the user protocols providing basic Internet services.			
Schedule					
Education week	Topics				
1.	Network Overview				
2.	Media Transmission and Network Devices				
3.	OSI and TCP/IP Model				
4.	IP v4 and IP v6				
5.	Designing a network/ Homework Assignment				
6.	Test I				
7.	DHCP				
8.	Internet Control Message Protocol-ICMP				
9.	TCP vs UDP				
10.	DNS, World Wide Web				
11.	Rectoral Break				
12.	Holiday				
13.	Test II				
14.	Test Retake				
Mid-semester requirements					
Test		Assignment to be submitted		Lab measurement	
amount	dates	amount	deadlines	amount	dates
2	20-03-2024, 08-05-2024	1	08-05-2024	1	08-05-2024
<i>According to the TVSZ attendance of group seminars and lab exercises are mandatory.</i>					
Other requirements for participation in sessions not covered by the regulations and restrictions on substitutions:					
Test		Assignment to be submitted		Lab measurement	
maximum points available	minimum score required to pass /test	maximum points available	minimum score required to pass / assignment	maximum points available	minimum score required to pass /lab
70points	...points	30points	...points	...points	...points
Total number of points achievable in semester:		100points			

Grading thresholds	satisfactory 70 points and above	average 60- points and above	good 80 points and above	excellent 90 points and above
Other evaluation criteria:				
Receive a signature denied entry:				
Required references: Slides of the lectures				
Recommended references:				
Quality assurance methods of the subject:				

Things, that are not included, can be found within the regulations of Óbuda University.