

Óbuda University		Alba Regia Technical Faculty		
Name and code of the subject: Introduction to Computer Networks <i>NRKICAKTND</i> ECTS:2				
Faculties: NIK, KVK, KGK				
Responsible teacher	Dr. Nagy Rezső		Teacher:	Schilling János
Pre-requirements: (code)				
Weekly:	Lecture: 2	Practice.: 0	Lab practice: 1	consultation:
Type of evaluation	Practice mark			
Curriculum				
Aim: This course introduces the architecture, structure, functions, components, and models of the Internet and other computer networks. The principles and structure of IP addressing and the fundamentals of Ethernet concepts, media, and operations are introduced to provide a foundation for the curriculum. By the end of the course, students will be able to build simple LANs, perform basic configurations for routers and switches, and implement IP addressing schemes..				
Topic				
Lecture+Practice:				Number of hours
1. Exploring the Network				2+1
2. Configuring a Network Operating System				2+1
3. Network Protocols and Communications				2+1
4. Network Access				2+1
5. Ethernet				2+1
6. Network Layer				2+1
7. Transport Layer				2+1
8. IP Addressing				2+1
9. Subnetting IP Networks				2+1
10. Application Layer				2+1
11. Overview of a Network's problems				2+1
12. Case Study 1.				2+1
13. Case Study 2.				2+1
14. Final Exam				2+1
Requirements:				
Chapter tests (min. 80%)				
Missed classes coverage: continuous				
Evaluations. Chapter tests and Final exam				

References:
online material