Меѓународен Универзитет Визион - International Vision University
Universiteti Ndërkombëtar Vizion - Uluslararası Vizyon Üniversitesi

Adres: Ul. Major C. Filiposki No.1, Gostivar – Makedonya
tel: +389 42 222 325, www.vizyon.edu.mk, info@vizyon.edu.mk

SYLLABUS

COURSE NAME	COURSE CODE	SEMESTER	COURSE LOAD	ECTS
COMPUTER NETWORKS	**4019**	**4**	**180**	**6**

Prerequisite(s)	None

Course Language	Turkish
Course Type	Required
Course Level	First Cycle
Course Lecturer	
Course Assistants	
Classroom	
Extra-Curricular Office Hours and Location	Meeting: Consultancy:

Course Objectives	Computer Networks course highlights the development of computer networks and the Internet. It aims to present computer network technologies and to teach TCP/IP protocol, which holds an important place in the Internet structure. Also, to make computer network technologies understandable, some applications related to these technologies are given.
Course Learning Outcomes	The students who successfully complete this course, will be able to; • To enable students to teach computer network principles • To enable students to teach computer network layers and their functions • To enable students to understand classification of computer networks • To enable students to bring the students up to the level in making applications on computer technologies and protocols
Course Contents	In this course of Computer Network is aimed to give information for different type of networks, protocols and applications fields.

WEEKLY SUBJECTS AND RELATED PREPARATION STUDIES

Week	Subjects	Related Preparation
1	Introduction to Networking, Digital Transmission	Related Chapters of Course Sources
2	Digital Communication	Related Chapters of Course Sources
3	Error Detecting and Error Correcting Codes	Related Chapters of Course Sources
4	OSI Reference Model	Related Chapters of Course Sources
5	Network Layer	Related Chapters of Course Sources
6	Data Link Layer	Related Chapters of Course Sources
7	Mid-term Exam	Related Chapters of Course Sources
8	Physical Layer	Related Chapters of Course Sources
9	Network Connection Equipment's	Related Chapters of Course Sources
10	Local Area Network Technologies	Related Chapters of Course Sources
11	FDDI Technology, ATM (Asynchronous Transfer Mode)	Related Chapters of Course Sources
12	Wireless Networks, Wide Area Network Technologies	Related Chapters of Course Sources
13	ISDN, Frame Relay	Related Chapters of Course Sources
14	TCP/IP Protocol Suite and Architecture, Internet Addresses and Subnets	Related Chapters of Course Sources
15	Final Exam	Related Chapters of Course Sources

ECTS / WORKLOAD TABLE

Presentation / Seminar			
Hours for off-the-classroom study (Pre-study, practice)	14	3	42
Midterm Exam	1	12	12
Final examination	1	14	14
Total Work Load			
ECTS	**6**		

GENERAL PRINCIPLE RELATED WITH COURSE

Dear students,

In order to be included, learn and achieve full success that you deserve in the courses you need to come well prepared by reading the basic and secondary textbooks. We are expecting from you carefully to obey to the course hours, not to interrupt the lessons unless is very indispensable, to be an active participant on the courses, easily to communicate with the other professor and classmates, and to be interactive by participating to the class discussions. In case of unethical behavior both in courses or on exams, will be acting in framework of the relevant regulations. The attendance of the students will be checked in the beginning, in the middle or at the end of the lessons. Throughout the semester the students who attend to all lectures will be given 15 activity-attendance points in addition to their exam grades.

SOURCES

COMPULSORY LITERATURE		
No	**Name of the book**	**Author's Name, Publishing House, Publication Year**
1	Bilgisayar Ağları	Dr. Demir Öner ,Papatya Yayıncılık Eğitim ,2010
2	Компјутерски Мрежи	E. C. Таненбаум, Арс Ламина ,2010
3	Computer Networks	Larry L. Peterson, Bruce S. Davie, Morgan Kaufmann 2011

ADDITIONAL LITERATURE		
No	**Name of the book**	**Author's Name, Publishing House, Publication Year**
1	Bilgisayar Haberleşmesi ve Ağ Teknolojileri	Rıfat Çölkesen, Bülent Örencik
2	Податочни и компјутерски комуникации	В. Сталингс ,Арс Ламина 2010
3	Data Communication and Networking	B. Forouzan McGraw-Hill 2009

EVALUATION SYSTEM

Underlying the Assessment Studies	NUMBER	PERCENTAGE OF GRADE
Attendance/Participation	15	%10
Project / Event	1	%20
Mid-Term Exam	1	%35
Final Exam	1	%35
TOTAL	**17**	**%100**

ETHICAL CODE OF THE UNIVERSITY

In case of the students are cheating or attempt to cheat on exams, and in the case of not to reference the sources used in seminar studies, assignments, projects and presentations, in accordance to the legislations of the Ministry of Education and Science of Republic of Macedonia and International Vision University, will be applied the relevant disciplinary rules. International Vision University students are expected never to attempt to this kind of behavior.