



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

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SYLLABUS

COURSE NAME	COURSE CODE	SEMESTER	COURSE LOAD	ECTS
FUNDAMENTALS OF TELECOMMUNICATIONS	4017	3	180	6

Prerequisite(s)	None
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Course Language	Turkish
Course Type	Elective
Course Level	First Cycle
Course Lecturer	
Course Assistants	
Classroom	
Extra-Curricular Office Hours and Location	

Course Objectives	Students in accordance with OSI model, first four layers will learn to work with principles of local and wide area networks. Data transmission problems will be discussed, students will be provided with information about the current data transmission technology
Course Learning Outcomes	OSI reference model, signaling, information coding, serial and parallel transmission characteristics of the transmission medium, error detection and correction, flow control techniques are not compatible / an asynchronous transmission, connection-oriented and connection properties of unidirectional service, switching to local and wide area networks connection technology
Course Contents	Students should be able to provide suitable solutions for data communication as knowledge of different technologies must be able to be able to compare technologies and network design.

WEEKLY SUBJECTS AND RELATED PREPARATION STUDIES

Week	Subjects	Related Preparation
1	Introduction to data communication	Related Chapters of Course Sources
2	Standards and architecture model used in data communication	Related Chapters of Course Sources
3	Coding of signaling and signal	Related Chapters of Course Sources
4	Parallel and serial communication	Related Chapters of Course Sources
5	Communications environments and specifications	Related Chapters of Course Sources
6	Multiplexing (time and frequency in context)	Related Chapters of Course Sources
7	Mid-term Exam	Related Chapters of Course Sources
8	Error detection and error correction techniques	Related Chapters of Course Sources
9	Data link control techniques, flow control	Related Chapters of Course Sources
10	Evaluation of the mid-term exam questions	Related Chapters of Course Sources
11	The most compatible and the incompatible data link protocols	Related Chapters of Course Sources
12	IEEE 802- local area network technology	Related Chapters of Course Sources
13	Connected and disconnected services, keying	Related Chapters of Course Sources
14	Midterm Exam-2 and the evaluation of exam questions	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,

You need to be included in the flow, please follow the course of learning and using that to achieve our success you deserve, you need to practice every day on topics that are covered by the course. It takes practice reading basic and auxiliary literature that is strictly recommended. You should visit classes course I need to make an effort to visit all the professors' lectures. Your activity on the session will be assessed by your professors and the Battle active participant in the discussions that will take place during the time. Students visiting lectures for all at the end if an additional 15 points.

SOURCES

COMPULSORY LITERATURE

No	Name of the book	Author's Name, Publishing house, Publication Year
1	Mülkiyet Hukuku	Fikret Eren, Yetkin Yayınları, 4. Baskı
2	Стварно право	Живковска Р., Европа 92, Скопје, 2005
3	Property Law: Commentary and Materials	Alison Clarke, Paul Kohler, Cambridge University Press, 2005

ADDITIONAL LITERATURE

No	Name of the book	Author's Name, Publishing house, Publication Year
1	Eşya Hukuku	Prof. Dr. Kemal Oğuzman - Prof. Dr. Özer Seliçi - Prof. Dr. Saibe Oktay Özdemir, 2009.
2	Европско стварно право	Спаркс П., Просветно дело, Скопје, 2009
3	Sustavi publiciranja prava na nekretninama kao temelj zaštite povjerenja u pravnom prometu	T. Josipović, , doktorski rad, Pravni fakultet sveučilišta u Zagrebu, Zagreb, 1995;

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 students are cheating on exams or preparation the same, it is not making reference to the source to be used in studies, as for example in assignments, projects and presentation (plagiarism), in accordance with legislations by Ministry of Education and Science of the Republic of Macedonia and International Vision University, apply relevant disciplinary rules. International Vision University students are expected never attempts in this kind of behavior.