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
DATABASES	**CEN -3001**	**5**	**180**	**6**

Prerequisite(s)	None

Course Language	Macedonian, Turkish, English
Course Type	Required
Course Level	First Cycle
Course Lecturer	
Course Assistants	
Classroom	106
Extra-Curricular Office Hours and Location	

Course Goals	Database management systems, hierarchical, network and relational data models, Relational model, Relational algebra, Integrity, normalization, SQL queries, database design, concurrency, object-oriented databases, XML databases
Program Outcomes	-Modeling of the large amount of data for efficient process. -Design of software applications that can process large amounts of database and application. -Choosing the necessary database software components and appropriate models to be used in the project -Operation as part of a teamwork and providing the done work to audience.
Course Contents	-Teaching the use of database management systems -Teaching of database application development - Teaching of data modeling and realization of this model - To teach the different data modeling approaches to develop teamwork and presentation skills

WEEKLY SUBJECTS AND RELATED PREPARATION STUDIES

Week	Subjects	Related Preparation
1	Introduction	Related Chapters of Course Sources
2	Relation Model	Related Chapters of Course Sources
3	Relation Model-SQL	Related Chapters of Course Sources
4	Relation Algebra	Related Chapters of Course Sources
5	Relation Algebra-SQL	Related Chapters of Course Sources
6	Database Design	Related Chapters of Course Sources
7	Mid-term Exam	Related Chapters of Course Sources
8	Practice Session	Related Chapters of Course Sources
9	Simultaneous Operation	Related Chapters of Course Sources
10	NoSQL Database	Related Chapters of Course Sources
11	Optimization	Related Chapters of Course Sources
12	Project Presentations and Representations	Related Chapters of Course Sources
13	Project Presentations and Representations	Related Chapters of Course Sources
14	Reviewing of the Semester	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	Veritabanları	Ryan Stephens , Row Piew ALFA YAYINLARI ,2003
2	Алгоритми и структури на податоци	Владимир Трајковиќ ,интерна скрипта на ФИНКИ 2010
3	AN INTRODUCTION TO DATABASE SYSTEMS	C.J. DATE, ADDISON- (Textbook) WESLEY, 2004,

ADDITIONAL LITERATURE		
No	Name of the book	Author's Name, Publishing house, Publication Year
1	Hızlı Çözümler Microsoft Access Veritabanları	Virginia Andersen ARKADAŞ YAYINLARI ,2001
2		
3	Skiena The Algorithm Design Manual	Steven S. Springer 2008

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 İnternational Vision University, apply relevant disciplinary rules. İnternational Vision University students are expected never attempts in this kind of behavior.