



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

DERS İZLENESİ (SYLLABUS)

COURSE NAME	COURSE CODE	SEMESTER	COURSE LOAD	ECTS
FUNDAMENTALS OF DATA MINING AND WAREHOUSES	4043	8	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	The aim of the course is give information about Data Mining Concepts, Preparing the Data, Statistical Classification Method (Naïve Bayes), Clustering Methods(K-Means, Hierarchical), Decision Trees and Decision Rules, Association Rules.
Course Learning Outcomes	After finishing this course the students will have the basic knowledge and application ability about the data mining methods.
Course Contents	Data mining is the process of finding useful patterns in data. The objective of data mining is to use discovered patterns to help explain behavior or to predict future outcomes

WEEKLY SUBJECTS AND RELATED PREPARATION STUDIES

Week	Subjects	Related Preparation
1	Introduction to Data Mining	Related Chapters of Course Sources
2	Data Mining Concepts	Related Chapters of Course Sources
3	Preparing the Data	Related Chapters of Course Sources
4	Data Reduction	Related Chapters of Course Sources
5	Statistical Classification Method (Naïve Bayes)	Related Chapters of Course Sources
6	Clustering Methods(K-Means)	Related Chapters of Course Sources
7	Mid-term Exam	Related Chapters of Course Sources
8	Clustering Methods(Hierarchical)	Related Chapters of Course Sources
9	Decision Trees and Decision Rules	Related Chapters of Course Sources
10	Association Rules	Related Chapters of Course Sources
11	Artificial Neural Networks	Related Chapters of Course Sources
12	Project Presentation	Related Chapters of Course Sources
13	Project Presentation	Related Chapters of Course Sources
14	Project Presentation	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	Kavram ve Algoritmalarıyla Temel Veri Madenciliği	Doç. Dr. Gökhan Silahtaroğlu PAPATYA YAYINCILIK EĞİTİM,2013
2		
3	Data Mining	J. Han – M. Kamber, Morgan-Kaufman, Academic Press, 2001, ISBN: 1-55860-901-6

ADDITIONAL LITERATURE		
No	Name of the book	Author's Name, Publishing house, Publication Year
1	Veri Madenciliği Kavram ve Teknikler	Yrd. Doç. Dr. Aysan Şentürk EKİN KİTABEVİ YAYINLARI ,2006
2		
3	Data Mining – Concepts, Models, Methods and Algorithms	Mehmed Kantardzic, ISBN:0-471-22852-4

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.