

Óbudai Egyetem Keleti Károly Gazdasági Kar

GSVDB1KTNC	Database Planning and Management							
Department:	Szervezési és Vezetési Intézet 1081 Budapest, Népszínház u. 8.					ECTS:	3	
Training:	Full-time	Language: English			Semester:	2019/20/1		
Courses:								
Responsible professor for course	Dr. Keszthelyi András			Professor:	Dr. Keszthelyi András			
Required preliminary:								
Number of classes (week/semester):	Weekly	Lecture:	0	Practice:	0	Laboratory:	2	Consultation:
Obtaining grade:	final grade							
Requirements for signature:								
Assessment and evaluation:	Grade is the mean of the project work, its presentation and the test.							
Aim of the subject	To become prepared for taking part in planning-developing and in management without IT specific pre-requisites.							
Term-closing requirements	Students are to develop and present a project work in small teams of 2 or 3 and write a formal test at the end of the semester.							
Week	Topic (laboratory)							
1.	Building a demo data model I., identifying and referencing							
2.	Building a demo data model II., one-to-many relationships							
3.	Building a demo data model III., importance of clear definitions							
4.	How it works in practical life: SQL I., basic queries							
5.	How it works in practical life: SQL II., multiple table queries, relational databases							
6.	How it works in practical life: SQL II., multiple table queries, relational databases							
7.	Software crisis, Modelling and models							
8.	Data models, optimal data model, Elements of data models							
9.	Redundancy, semantic normalization							
10.	Levels of planning, Modelling techniques, Typical particular models							
11.	Database management functions, Security basics							
12.	Test							
13.	Projekt presentations							
14.	Projekt presentations							
Required literature								
1	Molina – Ullman – Widom: Database systems: The Complete Book. Perason – Prentice Hall. ISBN-13: 978-0131873254 ISBN-10: 0131873253 or a newer							
2								
3								
4								
Recommended literature								
1	Codd, Edgar Frank: The Relational Model for Database Management (Version 2 ed.). Addison Wesley Publishing Company.							
2								
3								
4								

Quality assurance method:	
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	Developed competencies: