

COURSE DESCRIPTION

COURSE NAME		ADVANCED DATABASES					CODE: MISS2206	
STUDY YEAR	MASTER II	SEMESTER	2	COURSE STATUS (C -compulsory/ OP -optional/ F -facultative)			C	
HOURS PER WEEK				TOTAL HOURS PER SEMESTER	TOTAL HOURS INDIVIDUAL ACTIVITY	CREDITS	EVALUATION (P -during the semester, C -oral examination, E -written examination, M -mixed)	TEACHING LANGUAGE
C	S	L	Pr.	56	184	8	M	English
COURSE TEACHER		TEACHING AND SCIENTIFIC DEGREE, FIRST NAME, LAST NAME				DEPARTMENT		
		PROF. DR. VICTOR FELEA				Computer Science		
PREVIOUS COURSES REQUESTED								
OBJECTIVES		Teaching of some methods for using database management systems and specifying the interface with WEB applications.						
GENERAL DESCRIPTION		Indexes, definition and use them in ORACLE, Clustering of tables, Design of forms, Design and use of XML data in ORACLE, Design of applications using ORACLE databases, Generating of XML data from a database, Creation and access of data using URL, Transactions, concurrent access, control of task concurrence,						
DESCRIPTION OF SEMINARY / LABORATORY WORKS		Design of tables and indexes in applications, Clustering of tables, Design of forms, XML Objects, interogation of XML data, representation of XML data, Design of OLAP applications, Using of pre-compilers Pro*C++, PRO*COBOL, PRO*FORTRAN, Using Java_ORACLE interface, Data Warehouse, Data Minig						
TEACHING METHODS		Video, individual work at computers						
BIBLIOGRAPHY (SELECTION)		Ron Bourret:” XML and Databases” Documentation: ORACLE 10g, F.Ipate, M.Popescu:”Dezvoltarea aplicatiilor de baze de date in ORACLE 8”Ed. ALL-2000. PL/SQL- User’s Guide and Reference, 2004, Oracle Documentation, D.Dikel, D.Kane:”Software Architecture: Organizational Principles and Patterns, Prentice- Hall, 2001.						
EVALUATION		conditions	First test week 8th(T1), max.30p,second test in week 15(T2),max 30p,laborator activity-max.40p					
		criteria	T1+T2>=30p, L>=20p					
		evaluation methods	Tests:T1, T2,laboratory tests:L					
		final result - formula	The marks depend on the percentages fixed by the university.					