

ISTANBUL KEMERBURGAZ UNIVERSITY
2015 - 2016 ACADEMIC YEAR SPRING SEMESTER
SYLLABUS

INSTITUTE	GRADUATE SCHOOL OF SCIENCE AND ENGINEERING
PROGRAMME	INFORMATION TECHNOLOGIES ELECTRICAL AND COMPUTER ENGINEERING
COURSE CODE AND TITLE	ADVANCED DATABASE SYSTEMS DATABASE SYSTEMS
CREDIT	3 (5)
TEACHING MEMBER	Prof. Dr. Hasan Huseyin Balik
OBJECTIVE	
GRADING PROCEDURE	Midterm (Assignment) and Final
TEXT BOOK	<p>1-Modern Database Management, 12th Edition, 2016 (Jeffrey A Hoffer, Heikki Topi, V Ramesh)</p> <p>2-Fundamentals of Database Systems, 7th Edition, 2016 (Ramez Elmasri, Shamkant B. Navathe)</p> <p>3-Essentials of Database Management 1st Edition, 2014 (Jeffrey A. Hoffer, Heikki Topi , Ramesh Venkataraman)</p> <p>4-Database Systems Design Implementation and Management 10th Edition, 2013 (Carlos Coronel and Steven Morris)</p> <p>5-Concepts of Database Management, 8th Edition, 2015 (Philip J. Pratt, Mary Z. Last)</p>
COURSE OUTLINE	<p>1- The Database Environment and Development Process</p> <p>2- Modeling Data in the Organization</p> <p>3- The Enhanced E-R Model</p> <p>4- Logical Database Design and the Relational Model</p> <p>5- Physical Database Design and Performance</p> <p>6- Introduction to SQL</p> <p>7- Advanced SQL</p> <p>8- Database Application Developmen</p> <p>9- Data Warehousing</p> <p>10- Data Quality and Integration</p> <p>11- Data and Database Administration</p>