

Management Information Systems			
Bachelor	TR-NQF-HE: Level 6	QF-EHEA: First Cycle	EQF-LLL: Level 6

Course Introduction and Application Information

Course Code:	YBS110						
Course Name:	Research Methods and Scientific Writing						
Semester:	Spring						
Course Credits:	<table border="1"> <tr> <td>ECTS</td> </tr> <tr> <td>4</td> </tr> </table>			ECTS	4		
ECTS							
4							
Language of instruction:	Turkish						
Course Condition:							
Does the Course Require Work Experience?:	No						
Type of course:	Compulsory Courses						
Course Level:	<table border="1"> <tr> <td>Bachelor</td> <td>TR-NQF-HE:6. Master`s Degree</td> <td>QF- EHEA:First Cycle</td> <td>EQF-LLL:6. Master`s Degree</td> </tr> </table>			Bachelor	TR-NQF-HE:6. Master`s Degree	QF- EHEA:First Cycle	EQF-LLL:6. Master`s Degree
Bachelor	TR-NQF-HE:6. Master`s Degree	QF- EHEA:First Cycle	EQF-LLL:6. Master`s Degree				
Mode of Delivery:	Face to face						
Course Coordinator:	Doç. Dr. ŞEBNEM ÖZDEMİR						
Course Lecturer(s):							
Course Assistants:							

Course Objective and Content

Course Objectives:	This course is designed to help students to perform scientific researches and to make scientific publications.
Course Content:	Basic statistical concepts. Scientific research methods and applications. Writing proposal, article, and thesis.

Learning Outcomes

The students who have succeeded in this course;

- 1) Complete a whole scientific research process.
- 2) Convert their researches into scientific publications.
- 3) Utilise R programming language and SPSS software.

Course Flow Plan

Week	Subject	Related Preparation
1)	Introduction to Research and Basic Concepts	
2)	Scientific Research Reports and Literature Survey	
3)	Ethics in Scientific Researches	
4)	Basic Statistical Concepts	
5)	Research Type and Models	
6)	Research Problem and Hypothesis Formulation	
7)	Sampling and Sampling Methods	
8)	Data Collection	
9)	Introduction to R and SPSS	
10)	Parametric Tests I	
11)	Nonparametric Tests I	
12)	Parametric Tests II	
13)	Nonparametric Tests II	
14)	R and SPSS Applications	

Sources

Course Notes / Textbooks:	Ek kaynak ihtiyacı bulunmamaktadır. - There is no need for additional resources.
References:	Ek kaynak ihtiyacı bulunmamaktadır. - There is no need for additional resources.

Course - Program Learning Outcome Relationship

Course Learning Outcomes	1	2	3

Program Outcomes	1	2	3
Course Learning Outcomes			
1) It has a wide range of interdisciplinary approaches to management information systems, primarily business and computer engineering.	3		3
2) Comprehends the management information systems in terms of technical, organizational and managerial aspects and uses the current programming language by knowing the logic of programming.	2		3
3) Uses different information technologies and systems for understanding and solving various business problems.	2		3
4) Interpret the data, concepts and ideas in the field of management information systems with scientific and technological methods.	3		3
5) Analyze the needs for an information system and analyze the processes of analysis, design and implementation of the database.	1		2
6) Gains technical and managerial contributions to IT projects and takes responsibility.	2	2	2
7) Solve complex business and informatics problems by using various statistical techniques and numerical methods and make analyzes using statistical programs effectively.	1		3
8) Uses a foreign language at the B1 General Level in terms of European Language Portfolio criteria according to the level of education.		3	
9) Develops teamwork, negotiation, leadership and entrepreneurship skills.	1	3	2
10) Has universal ethical values, social responsibility awareness and sufficient legal knowledge.	2		
11) Develops positive attitudes related to lifelong learning and identifies individual learning needs and carries out studies to correct them.	1	3	2
12) Students will be able to communicate their ideas and solutions both written and orally, and present and publish them on both national and international platforms.	2	3	
13) It uses information and communication technologies together with computer software at the advanced level of European Computer Driving License required by the field.	1		3

Course - Learning Outcome Relationship

No Effect	1 Lowest	2 Average	3 Highest

Program Outcomes	Level of Contribution

1)	It has a wide range of interdisciplinary approaches to management information systems, primarily business and computer engineering.	2
2)	Comprehends the management information systems in terms of technical, organizational and managerial aspects and uses the current programming language by knowing the logic of programming.	2
3)	Uses different information technologies and systems for understanding and solving various business problems.	2
4)	Interpret the data, concepts and ideas in the field of management information systems with scientific and technological methods.	3
5)	Analyze the needs for an information system and analyze the processes of analysis, design and implementation of the database.	2
6)	Gains technical and managerial contributions to IT projects and takes responsibility.	2
7)	Solve complex business and informatics problems by using various statistical techniques and numerical methods and make analyzes using statistical programs effectively.	2
8)	Uses a foreign language at the B1 General Level in terms of European Language Portfolio criteria according to the level of education.	
9)	Develops teamwork, negotiation, leadership and entrepreneurship skills.	2
10)	Has universal ethical values, social responsibility awareness and sufficient legal knowledge.	2
11)	Develops positive attitudes related to lifelong learning and identifies individual learning needs and carries out studies to correct them.	3
12)	Students will be able to communicate their ideas and solutions both written and orally, and present and publish them on both national and international platforms.	2
13)	It uses information and communication technologies together with computer software at the advanced level of European Computer Driving License required by the field.	2

Assessment & Grading

Semester Requirements	Number of Activities	Level of Contribution
Homework Assignments	1	% 50
Final	1	% 50
total		% 100

PERCENTAGE OF SEMESTER WORK		% 50
PERCENTAGE OF FINAL WORK		% 50
total		% 100

Workload and ECTS Credit Calculation

Activities	Number of Activities	Preparation for the Activity	Spent for the Activity Itself	Completing the Activity Requirements	Workload
Course Hours	14	0	3		42
Study Hours Out of Class	14	1			14
Presentations / Seminar	1	5	1		6
Homework Assignments	1	15	1		16
Final	1	25	1		26
Total Workload					104