

English Translation and Interpretation			
Bachelor	TR-NQF-HE: Level 6	QF-EHEA: First Cycle	EQF-LLL: Level 6

Course Introduction and Application Information

Course Code:	UNI280						
Course Name:	Data Analysis with R						
Semester:	Spring						
Course Credits:	<div>ECTS</div> <div>5</div>						
Language of instruction:	English						
Course Condition:							
Does the Course Require Work Experience?:	No						
Type of course:	University Elective						
Course Level:	<table><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:	E-Learning						
Course Coordinator:	Öğr. Gör. AYŞEGÜL ÇALIŞKAN İŞCAN						
Course Lecturer(s):	Dr. Ayşegül Çalışkan İşcan						
Course Assistants:							

Course Objective and Content

Course Objectives:	This course aims to teach the R programming language at a basic level.
Course Content:	This course includes basic elements of R programming languages.

Learning Outcomes

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The students who have succeeded in this course;

- 1) Have knowledge about R programming language
- 2) Learns R programming language at a basic level.
- 3) Can analyze any data by using R language.
- 4) Can understand and manipulate any R code.
- 5) Can make statistical analysis by using R language.

Course Flow Plan

Week	Subject	Related Preparation
1)	Course overview	
2)	R Arithmetic, Atomic Data Types	
3)	Variables, Vectors	
4)	Matrices	
5)	Lists, Data Frames	
6)	Factors, Reading and Writing Data	
7)	Exercises, Lesson Repetition	
8)	Mid-term Week	
9)	Control flow, functions	
10)	Exploring and Preparing Data	
11)	Working with text data	
12)	Preparing Numeric Data, Dealing with Dates	
13)	Merging data, Frequency tables	
14)	Plotting in Base R, plotting with ggplot2	

Sources

Course Notes / Textbooks:	1. Mark Gardener - Beginning R_ The Statistical Programming Language-Wrox 2. Tony Fischetti - Data Analysis with R_ Load, wrangle, and analyze your data using the world's most powerful statistical programming language-Packt Publishing (2015)
References:	1. Mark Gardener - Beginning R_ The Statistical Programming Language-Wrox 2. Tony Fischetti - Data Analysis with R_ Load, wrangle, and analyze your data using the world's most powerful statistical programming language-Packt Publishing (2015)

Course - Program Learning Outcome Relationship

Course Learning Outcomes	1	2	3	4	5
Program Outcomes					
1) He / She acquires the professional skills theoretical and practical translation and interpretation can use those skills for didactic and research purposes.					
1) He / She uses modern teaching methods and techniques of teaching English as a foreign language.					
1) He / She knows modern language and linguistics theories in a comprehensive way.					
1) He / She knows the historical developmental process of translation and interpretation and develops an independent attitude on the role of translators and interpreters for modern research and applications.					
1) He / She uses the academic language skills effectively and efficiently as by mastering the functional and structural form of English language.					
2) He / She uses a second foreign language at least at B1 General Level according to European Language Portfolio criterion.					
2) He / She knows the impact of fundamental and modern works in the translation and interpretation field, presents evaluations relying on them.					
2) He / She knows the periods of English Literature, important genres and major works in detail with its cultural and historical features.					
2) He / She uses information and communication technologies together with computer software at least at the fundamental level of European Computer Driving License.					
2) He / She can evaluate the English language teaching materials and develop original teaching materials.					
3) He / She takes responsibilities by adopting fundamental universal values and developing a prudent, respectful, open to communication and learning attitude towards different language, race, gender, religion and social class groups.					
3) He / She develops practical and theoretical solutions for interpreting and translational problems.					
3) He / She takes ethical and practical training from beginning to advanced levels to develop consecutive and simultaneous interpreting skills in various fields such as health, media and law etc. Thanks to this training, he / she practices his/her					

profession in accordance with the standards of conference interpreting in various legal, health and media-communication fields nationally and internationally.	1	2	3	4	5
Course Learning Outcomes					
3) He / She acquires the ability to understand multicultural approaches in the field of translation and interpretation and reflects the efficient bilingual and bi-cultural practices on his/her works.					
4) He / She knows and applies professional ethics, professional standards and practices in the field of translation and interpretation.					
5) He / She applies basic research methods and theories in social sciences.					

Course - Learning Outcome Relationship

No Effect	1 Lowest	2 Average	3 Highest

	Program Outcomes	Level of Contribution
1)	He / She acquires the professional skills theoretical and practical translation and interpretation can use those skills for didactic and research purposes.	
1)	He / She uses modern teaching methods and techniques of teaching English as a foreign language.	
1)	He / She knows modern language and linguistics theories in a comprehensive way.	
1)	He / She knows the historical developmental process of translation and interpretation and develops an independent attitude on the role of translators and interpreters for modern research and applications.	
1)	He / She uses the academic language skills effectively and efficiently as by mastering the functional and structural form of English language.	
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4)	He / She knows and applies professional ethics, professional standards and practices in the field of translation and interpretation.	
5)	He / She applies basic research methods and theories in social sciences.	

Assessment & Grading

Semester Requirements	Number of Activities	Level of Contribution
Application	13	% 20
Midterms	1	% 30
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	13	1	3	1	65
Homework Assignments	13	1	1		26
Midterms	1	14	1	1	16
Final	1	28	1	1	30
Total Workload					137