DEPARTMENT OF SOCIOLOGY
COURSE SYLLABUS

Course Details			
Code SOZ 216		**Academic Year** 2	**Semester** Spring

Title	T	A	L	ECTS
Quantitative Research Methods in Social Sciences	2	1		6

Language	German
Level	**Undergraduate** X **Graduate** **Postgraduate**
Department / Program	Sociology
Forms of Teaching and Learning	Face to Face
Course Type	**Compulsory** X **Elective**
Objectives	This course aims to introduce students to the philosophy of scientific research and the quantitative research techniques used by social scientists. It is designed to prepare them for advanced-level courses as well as for their professional careers after graduation.
Content	Quantitative methods, formulating research questions and techniques of designing research
Prerequisites	-
Coordinator	Assoc. Prof. Dr. Valentin Rauer
Lecturer(s)	Assoc. Prof. Dr. Valentin Rauer, Dr. Lena Verneuer Emre
Assistant(s)	Res. Asst. Muhammed Ekinci
Work Placement	None
Course Methods and Techniques	Lecture, discussion, individual work

Recommended or Required Reading	
Books / Lecture Notes	Nicola Döring, Jürgen Bortz. (2016) Forschungsmethoden und Evaluation in den Sozial- und Humanwissenschaften. Berlin: Springer.
Other Sources	Nicole Burzan. (2015) Quantitative Methoden kompakt. München: UVK Verlag. Lukas Richter, Dietmar Paier, Horst Reiger. (2021) Quantitative Sozialforschung: eine Einführung. Wien: Facultas Verlag.

Additional Course Material	
Documents	-
Assignments	-
Exams	-

Course Composition			
Mathematics und Basic Sciences			%
Engineering			%

DEPARTMENT OF SOCIOLOGY
COURSE SYLLABUS

Engineering Design		%
Social Sciences		%100
Educational Sciences		%
Natural Sciences		%
Health Sciences		%
Expert Knowledge		%

Assessment

Activity	Count	Percentage(%)
Midterm Exam	1	40
Quiz		
Assignments		
Attendance		
Recitations		
Project		
Final Exam	1	60
Total	**2**	**100**

ECTS Points and Workload

Activity	Count	Duration	Workload (Hours)
Lectures	14	2	28
Self-Study	11	11	121
Assignments			
Presentation/Seminar Preparation			
Midterm Exam	1	2	2
Recitations	14	1	14
Laboratory			
Projects			
Final Exam	1	3	3
		Total Workload	**168**
		ECTS Points (Total Workload / Hours)	**6**

Learning Outcomes

01	Students can explain the techniques of designing a research project.
02	Students can explain and use quantitative research methods.
03	Students can use specific programs for data analysis.
04	Students can interpret available data.

Weekly Content

1	What is research?

DEPARTMENT OF SOCIOLOGY
COURSE SYLLABUS

2	Designing Quantitative Research
3	Designing Quantitative Research
4	Scale
5	Data Analysis
6	Statistics with Excel
7	Review of the Topics
8	Midterm
9	Statistics with Excel
10	Representativeness
11	Data Collection
12	Content Analysis
13	Single and Bivariate Analysis
14	Multivariate Analysis
15	Review
16	Final

Contribution of Learning Outcomes to Program Objectives (1-5)

	P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	P11	P12
1	5	4	5		4	5		5	5			
2		4	5		4	5		5	5			
3			5	4				5	5			
4			5					5	5			

Contribution Level 1: Low 2: Low-intermediate 3: Intermediate 4: High 5: Very High

https://obs.tau.edu.tr/oibs/bologna/progLearnoutcomes.aspx?lang=tr&curSunit=6048

Compiled by:	Res. Asst. Muhammed Ekinci
Date of Compilation:	28.07.2025