

DEPARTMENT OF SOCIOLOGY
COURSE SYLLABUS

Course Details

Code SOZ 216		Academic Year 2		Semester Spring
Title Quantitative Research Methods in Social Sciences		T 2	A 1	L 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	The course introduces students to the philosophy of scientific research and to quantitative research methods used by social scientists. The course prepares students both for advanced courses and their careers.			
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			

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		%
Engineering Design		%

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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?
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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

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