

SINGLE SUBJECT EXPERIMENTAL DESIGN

1	Course Title:	SINGLE SUBJECT EXPERIMENTAL DESIGN	
2	Course Code:	ZEE5101	
3	Type of Course:	Compulsory	
4	Level of Course:	Second Cycle	
5	Year of Study:	1	
6	Semester:	1	
7	ECTS Credits Allocated:	8.00	
8	Theoretical (hour/week):	3.00	
9	Practice (hour/week):	0.00	
10	Laboratory (hour/week):	0	
11	Prerequisites:	There is no prerequisite for this course.	
12	Language:	Turkish	
13	Mode of Delivery:	Face to face	
14	Course Coordinator:	Doç. Dr. ÖZLEM TOPER	
15	Course Lecturers:		
16	Contact information of the Course Coordinator:	ozlemtoper@uludag.edu.tr	
17	Website:		
18	Objective of the Course:	Explain single-subject research models and plan research using single-subject research designs.	
19	Contribution of the Course to Professional Development:	Planning research using single-subject research designs and interpreting studies conducted with single-subject research designs	
20	Learning Outcomes:		
		1	Define the research and teaching process
		2	Explain the basic concepts involved in single subject research.
		3	Explain single subject research models and their properties.
		4	Explains the concept of validity and ways of providing validity in single-subject studies.
		5	Explain the concept of reliability and ways of providing reliability in single-subject research.
		6	Visually analyzes and interprets data in single-subject studies.
		7	Explain single-subject effectiveness research models.
		8	Explain single-subject comparative research models.
		9	Interpret studies conducted with single subject research models
		10	Prepare a research proposal using single subject research models
21	Course Content:		
		Course Content:	
Week	Theoretical	Practice	
1	Differences and similarities between research and teaching		
2	Single subject studies and their characteristics		

3	Validity	
4	Reliability	
5	Chart types and visual analysis of data	
6	AB Models (AB, ABA VE ABAB)	
7	Multiple baseline models	
8	Multiple probe models	
9	Changing criteria model	
10	Comparison models and ABC model	
11	Alternating treatment design	
12	Alternating treatment design	
13	Parallel treatment design	
14	Writing the research proposal	

22	Textbooks, References and/or Other Materials:	Single Subject Research in Education and Behavioral Sciences Editor: Prof. Dr. Elif Tekin Iftar
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23	Assesment
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TERM LEARNING ACTIVITIES	NUMBER	WEIGHT
Midterm Exam	0	0.00
Quiz	8	30.00

Activites	Number	Duration (hour)	Total Work Load (hour)
Theoretical	14	3.00	42.00
Contribution of Term (Year) Learning Activities to	50.00		
Practicals/Labs	0	0.00	0.00
Self study and preparation	14	3.00	42.00
Contribution of Final Exam to Success Grade	50.00		
Homeworks	1	14.00	14.00
Projects	0	0.00	0.00
Measurement and Evaluation Techniques Used in the	Final exam with mini quizzes consisting of open-ended		
Field Studies	8	18.00	144.00
Midterm exams	0	0.00	0.00
Others	0	0.00	0.00
Final Exams	1	3.00	3.00
Total Work Load			245.00
Total work load/ 30 hr			8.17
ECTS Credit of the Course			8.00

[illegible]

ÖK5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
ÖK6	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
ÖK7	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
ÖK8	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
ÖK9	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
ÖK10	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
LO: Learning Objectives PQ: Program Qualifications																
Contribution Level:	1 very low			2 low			3 Medium			4 High			5 Very High			