

# METHOD AND STATISTICS IN CORRELATIONAL RESEARCH

1	Course Title:	METHOD AND STATISTICS IN CORRELATIONAL RESEARCH	
2	Course Code:	PSI5101	
3	Type of Course:	Compulsory	
4	Level of Course:	Second Cycle	
5	Year of Study:	1	
6	Semester:	1	
7	ECTS Credits Allocated:	15.00	
8	Theoretical (hour/week):	3.00	
9	Practice (hour/week):	0.00	
10	Laboratory (hour/week):	0	
11	Prerequisites:	-	
12	Language:	Turkish	
13	Mode of Delivery:	Face to face	
14	Course Coordinator:	Doç.Dr. Leman Pınar TOSUN	
15	Course Lecturers:		
16	Contact information of the Course Coordinator:	e-posta: pinart@uludag.edu.tr telefon: 2941874 adres: U.Ü. Fen-Edebiyat Fakültesi Psikoloji Bölümü Oda No: E-030	
17	Website:		
18	Objective of the Course:	Provide students with the statistical information necessary to have the ability to conduct independent research on the area they will specialize	
19	Contribution of the Course to Professional Development:		
20	Learning Outcomes:		
		1	being able to distinguish different types of research (experimental, relational, descriptive) and to being able to recognize the importance of each one in the scientific research process, to be able to evaluate the positive and negative characteristics
		2	being able to read research reports in which relational research techniques were applied, and evaluate their findings correctly
		3	being able to design relational research, and being able to analyze the data obtained from such research by the use of appropriate statistical analyses
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21	Course Content:		
		<b>Course Content:</b>	
Week	Theoretical	Practice	

<b>1</b>	Course introduction	
<b>2</b>	Scientific research processes	
<b>3</b>	Experimental research designs	
<b>4</b>	Relational research designs	
<b>5</b>	Data entry: SPSS applications and data coding	
<b>6</b>	t-test	
<b>7</b>	Correlation	
<b>8</b>	Explanatory factor analysis	
<b>9</b>	Chi-square test, reliability	
<b>10</b>	Regression-I	
<b>11</b>	Regression-II	
<b>12</b>	Structural equation modeling	
<b>13</b>	Confirmatory factor analysis	
<b>14</b>	Last evaluations	
<b>22</b>	Textbooks, References and/or Other Materials:	
<b>23</b>	Assesment	
<b>TERM LEARNING ACTIVITIES</b>		<b>NUMBER</b>
		<b>WEIGHT</b>
Midterm Exam		0
Quiz		0
Home work-project		3
Final Exam		1
Total		4
Contribution of Term (Year) Learning Activities to Success Grade		40.00
Contribution of Final Exam to Success Grade		60.00
Total		100.00
Measurement and Evaluation Techniques Used in the Course		
<b>24</b>	<b>ECTS / WORK LOAD TABLE</b>	

Activites	Number	Duration (hour)	Total Work Load (hour)
Theoretical	14	3.00	42.00
Practicals/Labs	0	0.00	0.00
Self study and preperation	14	21.00	294.00
Homeworks	3	25.00	75.00
Projects	0	0.00	0.00
Field Studies	0	0.00	0.00
Midterm exams	0	0.00	0.00
Others	3	10.00	30.00
Final Exams	1	4.00	4.00
Total Work Load			445.00
Total work load/ 30 hr			14.83
ECTS Credit of the Course			15.00

25	CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS															
	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ10	PQ11	PQ12	PQ13	PQ14	PQ15	PQ16
ÖK1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LO: Learning Objectives    PQ: Program Qualifications																
Contrib ution Level:	1 very low			2 low			3 Medium			4 High			5 Very High			