AYDIN ADNAN MENDERES UNIVERSITY
COURSE INFORMATION FORM

Course Title	Research Methods and Statistics in Clinical Psychology						
Course Code	KPS506		Couse Level	Second Cycle (Master's Degree)			
ECTS Credit	4	Workload	95 *(Hours)*	Theory	2	Practice	0	Laboratory	0
Objectives of the Course	To know appropriate statistical analysis method for analyse data gain from clinical psychology studies, to apply this method and to interpret analysis results.						
Course Content	Descriptive and inferential statistics, hypothesis testing, correlational and multivariate statistical methods, psychometric analyses.						
Work Placement	N/A						
Planned Learning Activities and Teaching Methods	Explanation (Presentation), Discussion, Individual Study, Problem Solving						
Name of Lecturer(s)							

Assessment Methods and Criteria

Method	Quantity	Percentage (%)
Assignment	14	100

Recommended or Required Reading

1	Field, A. (2009). Discovering Statistics Using SPSS (3rd ed). SAGE
2	Tabachnick, B.G. & Fidell, L. S.(2012) Using Multivaried Statistics (6.ed). Pearson
3	Aron A, Aron E, Coups E. (2012) Statistics for Psychology (6. ed). Pearson

Week	Weekly Detailed Course Contents	
1	Theoretical	Basic Issues in Statistics
	Preparation Work	Field (2009); Chapter 1-2-3
2	Theoretical	Descriptive Statistics
3	Theoretical	Correlation
4	Theoretical	Regression
5	Theoretical	Logistic regression
6	Theoretical	Compare two means
7	Theoretical	Compare several means : ANOVA (GLM1)
8	Theoretical	Covariance anlyisis: ANCOVA (GLM2)
9	Theoretical	Factorial ANOVA (GLM3)
10	Theoretical	Repeated measures design (GLM4)
11	Theoretical	Mixed Design ANOVA (GLM5)
12	Theoretical	Non-parametric tests
13	Theoretical	Multi-varied variance analysis (MANOVA)
15	Theoretical	Multi leveled linear models

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	10	1	1	20
Lecture - Practice	15	2	1	45

Assignment	10	3	0	30
			Total Workload (Hours)	95
			[Total Workload (Hours) / 25*] = **ECTS**	4

*25 hour workload is accepted as 1 ECTS

Learning Outcomes

1	Knows ststistical methods used in clinical psychology
2	Knows which test to apply and can calculate the power of the test.
3	Can interpret the analysis results having regard to power and effect size
4	Can compute sample size having regard to effect size while planing research
5	Learns research methods, can apply statistical methods

Programme Outcomes *(Clinical Psychology Master)*

1	Use the basic concepts and theories in the field of clinical psychology when dealing with the individual.
2	Students will be able to practice prevention and evaluation of psychological problems and psychotherapy.
3	Students can look at clinical psychology from an interdisciplinary perspective.
4	Conduct scientific research about the emergence and handling of psychological problems.
5	Use objective and reflective psychology measurement tools, observation and interview techniques.
6	To be able to make psychological evaluation by using objective psychological measurement tools, observation and interview techniques and to report the findings of the evaluation.
7	Students will be able to apply psychotherapy according to the results of psychological evaluation.
8	Carry out studies on the protection of community mental health and prevention of problems.
9	Conduct interdisciplinary studies with other disciplines.
10	Has ethical sensitivity and responsibility in scientific research and application studies.
11	Meet mental health counseling needs of social institutions.
12	Develops professional identity sensitivity.

Contribution of Learning Outcomes to Programme Outcomes *1:Very Low, 2:Low, 3:Medium, 4:High, 5:Very High*

	L1	L2	L3	L4	L5
P1	3	3	3	3	3
P2	3	3	3	3	3
P3	3	3	3	3	3
P4	4	4	4	4	4
P5	3	3	3	3	3
P6	3	3	3	3	3
P7	3	3	3	3	3
P8	4	4	3	3	4
P9	5	5	5	5	5
P10	5	5	5	5	5
P11	3	3	3	3	4
P12	4	4	3	3	4