STRUCTURAL EQUATION MODELING

1	Course Title:	STRUCTURAL EQUATION MODELING
2	Course Code:	PSI6102
3	Type of Course:	Compulsory
4	Level of Course:	Third Cycle
5	Year of Study:	1
6	Semester:	2
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:	None
12	Language:	Turkish
13	Mode of Delivery:	Face to face
14	Course Coordinator:	Prof. Dr. M.ERSİN KUŞDİL
15	Course Lecturers:	Prof. Dr. Nuran Bayram Doç. Dr. Leman Pınar TOSUN
16	Contact information of the Course Coordinator:	Prof. Dr. M. ERSİN KUŞDİL Psikoloji Bölümü, Fen-Edebiyat Fakültesi, Sosyal Bölümler Binası, Görükle, 16059 Bursa E-posta: mekusdil@uludag.edu.tr Telefon: 0 224 2941872
17	Website:	
18	Objective of the Course:	The aim of the course is to have students able to construct, analyze, modify, and test the adequacy of variety of structural equation models.
19	Contribution of the Course to Professional Development:	
20	Learning Outcomes:	
		1	To be able to learn observed and latent variables.
		2	To be able to learn basic concepts of Structural equation Models.
		3	To be able to apply Confirmatory factor analysis.
		4	To be able to apply path analysis with observed variables.
		5	To be able learn, apply, evaluate and analyze Structural Equation Models
		6	To be able generate and compare Structural Equation Models.
		7	To be able to use AMOS.
		8	To be able to generate the model
		9	To be able to model evaluation of the results,
		10	
21	Course Content:	

Course Content:	
Week	**Theoretical**	**Practice**
1	Observed and Latent Variables	

2	Exogenous and Endogenous variables	
3	Mediator, Moderator variables	
4	Variance, covariance and correlation	
5	Recursive and Nonrecursive Models	
6	Introduction to AMOS	
7	Structural Equation Modelling	
8	Assumptions and steps of Structural Equation Modelling	
9	Evaluation of model fit	
10	Application of measurement models with AMOS	
11	Application of Path analysis with observed variables	
12	Application of Confirmatory Factor Analysis	
13	Application of Structural Equation Modelling I	
14	Application of Structural Equation Modelling II	
22	Textbooks, References and/or Other Materials:	Bayram N. (2010). Yapısal Eşitlik Modellemesine Giriş AMOS Uygulamaları. Bursa. Ezgi Kitabevi Kline, R. B. (2005). Principles and practice of structural equation modeling (2nd ed). New York: Guilford Press. Kaplan D., (2000), Structural Equation Modeling: Foundations and extensions, Sage Publications Schumacker R. E., Richard G. (2004), A beginner's guide to structural equation modeling Rick H., Thousand O.,(1995), Structural equation modeling : concepts, issues, and applications, Sage Publications.
23	Assesment	

TERM LEARNING ACTIVITIES	NUMBER	WEIGHT
Midterm Exam	0	0.00
Quiz	0	0.00
Home work-project	0	0.00
Final Exam	1	100.00
Total	1	100.00
Contribution of Term (Year) Learning Activities to Success Grade		0.00
Contribution of Final Exam to Success Grade		100.00
Total		100.00
Measurement and Evaluation Techniques Used in the Course		

24	**ECTS / WORK LOAD TABLE**

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			
Homeworks			
Projects			
Field Studies			
Midterm exams	0		
Others			
Final Exams	1		
Total Work Load			
Total work load/ 30 hr			
ECTS Credit of the Course			8.00

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	1	0	2	1	5	5	5	4	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
ÖK4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

LO: Learning Objectives	PQ: Program Qualifications			
Contribution Level:	1 very low	2 low	3 Medium	4 High	5 Very High