

# ORGANIZATIONAL NETWORK ANALYSIS

1	Course Title:	ORGANIZATIONAL NETWORK ANALYSIS
2	Course Code:	EKO4214
3	Type of Course:	Optional
4	Level of Course:	First Cycle
5	Year of Study:	4
6	Semester:	8
7	ECTS Credits Allocated:	5.00
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:	Doç. Dr. SELİM TÜZÜNTÜRK
15	Course Lecturers:	
16	Contact information of the Course Coordinator:	Doç. Dr. Üyesi Selim TÜZÜNTÜRK E-posta : selimtuzunturk@uludag.edu.tr Telefon: 0 224 29 41152 Adres: Bursa Uludağ Üniversitesi, İktisadi ve İdari Bilimler Fakültesi, Ekonometri Bölümü, 16059, Görükle/Bursa.
17	Website:	
18	Objective of the Course:	The aim of the course is to inform how to perform an Organizational Network Analysis step by step, how to analyze and interpret network data by using package programs.
19	Contribution of the Course to Professional Development:	The course gives students the ability to bring analytical solutions to problems in the organizational field.
20	Learning Outcomes:	
	1	To be able to comprehend the nature of the Organizational Network Analysis.
	2	To be able to design required a research plan for the Organizational Network Analysis.
	3	To be able to prepare Organizational Network Analysis questionnaire form and to gather network data.
	4	To be able to enter data to social network package programs and to arrange data files.
	5	To be able to command and control social network package programs' tools.
	6	To be able to draw and interpret various graphs of social network data with package programs.
	7	To be able to calculate and interpret various numerical values of social network data with package programs.
	8	To be able to make inference beneficial to organization and to develop strategic suggestions by using Organizational Network Analysis Methods.
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21	Course Content:	
	Course Content:	

Week	Theoretical	Practice		
1	Organization, Formal Chart and Informal Chart			
2	Analysis of Informal Networks, Network forms of Organizations and definitions of Organizational Network Analysis.			
3	Organizational Networks and types. Brief History and Sample Applications			
4	Network Science			
5	Social Networks, Social Network Analysis and its applications on social sciences.			
6	Steps of Organizational Network Analysis.			
7	Network variable, data types, various data gathering methods, important topics in organizational network analysis and preparation of their questionnaire forms.			
8	Data gathering and ethical issues.			
9	Introduction to social network analysis package programs, data entry and arranging data files.			
10	Basic visual analysis methods and their computer applications.			
11	Basic numerical analysis methods.			
12	Computer applications of basic numerical analysis methods.			
Activites		Number	Duration (hour)	Total Work Load (hour)
Theoretical	with package programs.	14	3.00	42.00
Practicals/Labs		0	0.00	0.00
Self study and preparation	Materials: Kitapevi, 2. Basım, Bursa, 2022. 2. Selim TÜZÜNTÜRK, Ad Bilimi, Dora Kitabevi, 3. Basım	2	2.00	28.00
Homeworks		0	0.00	0.00
Projects	3. Selim TÜZÜNTÜRK, Sosyal Bilimlerde Patek Uygulamalı Yapısal Analiz, Aktüel 16. Bursa, 2018.	3	3.00	30.00
Field Studies		0	0.00	0.00
Midterm exams	4. Mine Uygulamalı, Dora, Bursa, 2009. 5. Gürsakal, N., Aydın, Z. B., Gürsakal, S. ve Tüzüntürk,	5	30.00	30.00
Others		1	20.00	20.00
Final Exams	1. İstatistik Sempozyumu, 2008, Eylül Üniversitesi, İzmir, Kuşadası, 28-30 Mayıs 2008.	1	30.00	30.00
Total Work Load				150.00
Total work load/ 30 hr		Connected to Everything Else and what it means for Business, Science, and Everyday Life, Penguin Group,		5.00
ECTS Credit of the Course				5.00
		7. CROSS ROB – Andrew PARKER, The Hidden Power of Social Networks: Understanding How Really Gets Done in Organizations, Harvard Business School Press, Boston, 2004. 8. ANKLAM Patti, Net Work A Practical Guide to Creating and Sustaining Networks at Work and in the World, Butterworth-Heinemann Publisher, Burlington, USA, 2007. 9. BORGATTI S. P. – José Luis MOLINA, “Ethical and Strategical Issues in Organizational Social Network Analysis”, The Journal of Applied Behavioral Science, Vol. 39, No. 3, 2003, pp. 337–349.		
23	Assesment			
TERM LEARNING ACTIVITIES		NUMBE R	WEIGHT	
Midterm Exam		1	40.00	
Quiz		0	0.00	

Home work-project	0	0.00
Final Exam	1	60.00
Total	2	100.00
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	Test exams are held in midterm and final exams.	

## 24 ECTS / WORK LOAD TABLE

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	4	4	3	4	3	4	3	4	4	3	4	3	0	0	0	0
ÖK2	4	3	4	3	3	3	4	3	4	3	4	4	0	0	0	0
ÖK3	3	3	4	4	3	4	4	3	4	4	3	3	0	0	0	0
ÖK4	3	4	3	4	3	3	3	3	4	4	3	3	0	0	0	0
ÖK5	3	4	4	3	4	3	3	4	4	4	3	3	0	0	0	0
ÖK6	3	4	4	4	3	4	4	3	4	3	3	4	0	0	0	0
ÖK7	3	3	3	4	4	3	3	4	4	4	3	4	0	0	0	0
ÖK8	3	3	4	3	3	3	3	4	3	3	3	3	0	0	0	0
LO: Learning Objectives    PQ: Program Qualifications																
Contribution Level:	1 very low		2 low		3 Medium		4 High		5 Very High							