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:	Dr. Ögr. Üyesi SELİM TÜZÜNTÜRK
15	Course Lecturers:	
16	Contact information of the Course Coordinator:	E-Posta: selimtuzunturk@uludag.edu.tr Telefon: 224 2941152 Adres: Uludağ Üniversitesi İktisadi ve İdari Bilimler Fakültesi,Ekonometri Bölümü,Görükle,Bursa
17	Website:	
18	Objective of the Course:	The objective of this course is to teach the theory and real world applications related to social network analysis.
19	Contribution of the Course to Professional Development:	
20	Learning Outcomes:	
	1	To be able to comprehend basic concepts of Network science
	2	To be able to comprehend theoretical framework of network science
	3	To be able to use theoretical models of network science
	4	To be able to make various numerical calculations by learning structural properties of networks
	5	To be able to draw networks and to interpret their visual images
	6	To be able to comprehend social networks and social network science
	7	To be able to prepare social network analysis survey. To be able to collect social network data.
	8	To be able to perform social network analysis
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21	Course Content:		
	Course Content:		
Week	Theoretical	Practice	
1	Definition of a network, adjacency matrix and visual representations of networks		
2	Network science, it’s significance and aim		
3	The history of network science		
4	Structural properties of networks (geodesic distance, degree and degree distribution, clustering coefficient)		
5	Introduction to theoretical models of network science		
6	Random networks		
7	Small world networks		
8	Scale free and scale free networks		
9	Social networks, social network science, social network analysis		
10	History of social network analysis		
11	Applications of social network analysis in social sciences		
12	Network variable, data collection methods and ethics		

Activites	Number	Duration (hour)	Total Work Load (hour)
Theoretical	14	2.00	28.00
Practicals/Labs	0	0.00	0.00
Self study and preperation	14	2.00	28.00
Homeworks	14	1.00	14.00
Projects	0	0.00	0.00
Field Studies	0	0.00	0.00
Midterm exams	0	0.00	0.00
Others	0	0.00	0.00
Final Exams	1	20.00	20.00
Total Work Load			90.00
Total work load/ 30 hr			3.00
ECTS Credit of the Course			5.00

22 Textbooks, References and/or Other Materials:

2.Gürsakal, N., Aydın, Z.B., Gürsakal, S. ve Tüzüntürk,
Kuşadası 28-30 Mayıs 2008, s.87.
University Press, New York, 2008.
5.KOLACZYK Eric D., Statistical Analysis of Network Data:
Sage Publications, Inc., California, 2008.
Pajek, Cambridge University Press, New York, 2007.
8.CROSS Rob – Andrew PARKER, The Hidden Power of Social Networks: Understanding How Really Gets Done in Organizations, Harvard Business School Press, Boston, 2004.
9.BARABÁSI Albert László, Linked: How Everything Is Connected to Everything Else and What It Means for Business, Science, and Everyday Life, Penguin Group, New York, 2003.

23	Assesement	
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

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	4	2	1	1	3	1	1	1	1	1	1	0	0	0	0
ÖK2	4	4	4	2	3	3	3	3	4	4	4	4	0	0	0	0
ÖK3	4	4	4	2	3	3	3	3	4	4	4	4	0	0	0	0
ÖK4	1	4	2	1	1	3	1	1	1	1	1	1	0	0	0	0
ÖK5	1	4	2	1	1	3	1	1	1	1	1	1	0	0	0	0
ÖK6	4	4	4	4	3	3	3	3	4	4	4	4	0	0	0	0
ÖK7	4	4	4	3	4	4	3	3	4	4	4	4	0	0	0	0
ÖK8	4	4	4	2	3	4	3	3	4	4	4	4	0	0	0	0

LO: Learning Objectives PQ: Program Qualifications

Contribution Level:	1 very low	2 low	3 Medium	4 High	5 Very High