SIMULATION AND PLANNING										
1	Course Title:	SIMULA	JLATION AND PLANNING							
2	Course Code:	EKO6113								
3	Type of Course:	Optional								
4	Level of Course:	Third Cy	/cle							
5	Year of Study:	1								
6	Semester:	1								
7	ECTS Credits Allocated:	5.00								
8	Theoretical (hour/week):	2.00								
9	Practice (hour/week):	0.00								
10	Laboratory (hour/week):	0								
11	Prerequisites:	No								
12	Language:	Turkish								
13	Mode of Delivery:	Face to face								
14	Course Coordinator:	Doç. Dr. VESİLE SİNEM ARIKAN KARGI								
15	Course Lecturers:	Yok								
16	Contact information of the Course	vesa@uludag.edu.tr								
	Coordinator:	Bursa Uludağ Üniversitesi İktisadi ve İdari Bilimler Fakültesi A Blok 16059 Nilüfer/Bursa								
17	Website:									
18	Objective of the Course:	The objective of the course is to develop the ability of the student to create model and to analyze with simulation program MSSharp in order to analyze different type of management systems.								
19	Contribution of the Course to Professional Development:	To be able to develop the ability to construct and interpret models using the simulation technique								
20	Learning Outcomes:									
		1	To be able to understand the computer simulation in management science							
		2	To be able to understand the computer simulation approach							
		3	To be able to understand modelling applications							
		4	To be able to understand the Static Monte Carlo Simulation							
		5	To be able to understand the Discrete event simulation modelling							
			To be able to understand the Logic of discrete event simulation software							
		7	To be able to understand the Sampling methods							
		8	To be able to analyze simulation outputs							
		9								
		10								
21										
		Co	ourse Content:							
	Theoretical		Practice							
1	System Analysis									
2	Simulation Basic Concepts									

3	Statistical Information							
4	Confidence Interval and Confidence	Limits						
5	Collection of Data							
6	Probability Distributions							
7	Random Numbers							
8	Monte Carlo Simulation							
9	Setting Up the Simulation Model							
10	Queuing Theory							
11	Output Analysis							
12	Introduction of a Simulation Program							
13	Application in Simulation Program- 1							
14	Application in Simulation Program 2							
22	Textbooks, References and/or Other Materials:		1. Kenneth E. Kendall, Julie E. Kendall, Systems Analysis And Design, New Jersey: Prentice Hall, 2002. 2. Richard Bronson, Govindasami Naadimuthu, Schaum's Outline Of Thory And Problems Of Operations Research, New York, Mcgraw Hill, 1997. 3. Michael Pidd, Computer Simulation İn Management Science, 5. Edition, John Wiley&Sons,2004. 4. Roger J. Brooks, Steward Robinson, Simulation, İnventory control /Colin Lewis, New York: Palgrave, 2001. 5. Micro Saint Sharp Manuel.					
23	Assesment							
TERM L	EARNING ACTIVITIES	NUMBE R	WEIGHT					
Midtern	n Exam	0	0.00					
Quiz		0	0.00					
Home v	vork-project	0	0.00					
Final E	kam	1	100.00					
Total		1	100.00					
	ution of Term (Year) Learning Activitions S Grade	es to	0.00					
Contrib	ution of Final Exam to Success Grade	)	100.00					
Total			100.00					
Measur Course	ement and Evaluation Techniques Us	sed in the	Classic Exam					
24	ECTS / WORK LOAD TABLE							

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	5.00	70.00
Homeworks	1	20.00	20.00
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	25.00	25.00
Total Work Load			143.00
Total work load/ 30 hr			4.77
ECTS Credit of the Course			5.00

25	CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS															
	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ1 0	PQ11	PQ12	PQ1 3	PQ14	PQ15	PQ16
ÖK1	4	4	5	4	4	4	4	4	4	4	3	4	0	0	0	0
ÖK2	4	5	4	4	4	5	4	4	4	4	4	4	0	0	0	0
ÖK3	4	5	5	4	4	4	4	4	4	4	4	5	0	0	0	0
ÖK4	4	4	4	4	4	5	5	4	4	4	5	5	0	0	0	0
ÖK5	4	4	4	4	5	5	4	4	4	4	4	4	0	0	0	0
ÖK6	4	5	4	5	4	4	4	4	4	4	5	5	0	0	0	0
ÖK7	5	4	5	4	4	4	4	4	5	4	5	4	0	0	0	0
ÖK8	5	4	4	4	4	4	4	4	4	5	3	5	0	0	0	0
LO: Learning Objectives PQ: Program Qualifications																
Contrib 1 very low 2 loution Level:			2 low		3	Medi	um	4 High			5 Very High					