SUPPLY CHAIN MANAGEMENT

1	Course Title:	SUPPLY CHAIN MANAGEMENT
2	Course Code:	END6113
3	Type of Course:	Optional
4	Level of Course:	Third Cycle
5	Year of Study:	1
6	Semester:	1
7	ECTS Credits Allocated:	7.50
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 MEHMET AKANSEL
15	Course Lecturers:	Doç.Dr. İlker Küçükoğlu
16	Contact information of the Course Coordinator:	Bursa Uludağ Üniversitesi Mühendislik Fakültesi Endüstri Mühendisliği Bölümü Görükle Kampüsü 16059 Nilüfer BURSA akansel@uludag.edu.tr 294 20 84
17	Website:	
18	Objective of the Course:	Introducing the necessary approaches to satisfy the recent expectations in the supply chain management and determine the research possibilities in the area
19	Contribution of the Course to Professional Development:	Potential research areas in supply chain management and application skills on common methods
20	Learning Outcomes:	

	1	Defining the supply chain concepts and principles
	2	Building and solving the mathematical models which concentrates on the performance factors such as cost and profit in order to determine the best supply chain approach
	3	Being aware of the recent supply chain practices
	4	Building a framework for the future supply chain practices
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21	Course Content:	

Course Content:

Week	Theoretical	Practice
1	Introduction to supply chain	
2	Supply network design	
3	Supply network design	
4	Supplier selection problems	

5	Routing problems	
6	Routing problems	
7	Transportation management	
8	Warehouse systems	
9	Production and inventory planning problems in supply chain	
10	Coordinated location and inventory decisions	
11	Vendor-managed inventory routing problems	
12	Coordination in supply chain management	
13	Information technology and decision support systems in supply chain	
14	Term project presentations	

22	Textbooks, References and/or Other Materials:	1. Langevin, A., Riopel, D., Logistics Systems: Design and Optimization, Springer, 2005. 2. Ghiani, G., Laporte, G., Musmanno, R., Introduction to Logistics Systems Management, Wiley, 2013. 3. Simchi-Levi, D., Chen, X., Bramel, J., The Logic of Logistics: Theory, Algorithms, and Applications for Logistics Management and Supply Chain Management, 2nd ed., Springer, 2005. 4. Chopra, S. and Meindl, P., Supply Chain Management: Strategy, Planning, and Operations, 4th edition, Pearson, 2010. 5. Goetschalckx, M., Supply Chain Engineering, Springer, 2011.

Activites	Number	Duration (hour)	Total Work Load (hour)
Theoretical	14	3.00	42.00
Practicals/Labs	0	0.00	0.00
Self study and preparation		6.00	84.00
Homeworks	4	8.00	32.00
Projects	1	60.00	60.00
Field Studies	0	0.00	0.00
Midterm exams	0	0.00	0.00
Others	0	0.00	0.00
Final Exams	1	7.00	7.00
Total Work Load			225.00
Total work load/ 30 hr			7.50
ECTS Credit of the Course			7.50

TERM LEARNING ACTIVITIES	NUMBE	WEIGHT
Midterm Exam	0	0.00
Quiz	0	0.00
Home work-project	1	40.00
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	Term project and final exam

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	5	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0
ÖK2	0	5	5	0	0	0	0	0	5	5	5	5	0	0	0	0

ÖK3	0	5	5	5	0	0	0	5	5	5	5	5	0	0	0	0
ÖK4	0	4	0	0	5	0	0	5	0	0	0	5	0	0	5	0

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