

# SUPPLY CHAIN MANAGEMENT

<b>1</b>	Course Title:	SUPPLY CHAIN MANAGEMENT	
<b>2</b>	Course Code:	END5554	
<b>3</b>	Type of Course:	Optional	
<b>4</b>	Level of Course:	Second Cycle	
<b>5</b>	Year of Study:	1	
<b>6</b>	Semester:	2	
<b>7</b>	ECTS Credits Allocated:	7.50	
<b>8</b>	Theoretical (hour/week):	3.00	
<b>9</b>	Practice (hour/week):	0.00	
<b>10</b>	Laboratory (hour/week):	0	
<b>11</b>	Prerequisites:	None	
<b>12</b>	Language:	Turkish	
<b>13</b>	Mode of Delivery:	Face to face	
<b>14</b>	Course Coordinator:	Yrd.Doç.Dr. MEHMET AKANSEL	
<b>15</b>	Course Lecturers:		
<b>16</b>	Contact information of the Course Coordinator:	Uludağ Üniversitesi Mühendislik-Mimarlık Fakültesi Endüstri Mühendisliği Bölümü Görükle Kampüsü 16059 Nilüfer BURSA akansel@uludag.edu.tr 294 20 84	
<b>17</b>	Website:		
<b>18</b>	Objective of the Course:	Providing the basic concepts and principles of supply chain management, gaining the skills to use required methods and approaches to effectively manage supply chains	
<b>19</b>	Contribution of the Course to Professional Development:		
<b>20</b>	Learning Outcomes:		
		1	Adopting the basic concepts and principles of supply chain management
		2	Being able to apply quantitative and qualitative approaches in the design of supply chains
		3	Being able to define facility location and transportation problems and to apply basic solution methods
		4	Being able to define aggregate planning problems and to apply related solution methods
		5	Adopting basic concepts and principles of inventory management and being able to apply related methods
		6	Learning basic principles and approaches for collaboration and outsourcing
		7	Being informed on customer relationships management, product pricing and revenue management
		8	Studying applications of information technology in supply chains and being able to evaluate solution alternatives
		9	
		10	
<b>21</b>	Course Content:		
		<b>Course Content:</b>	
Week	Theoretical	Practice	

1	Basic concept and decision processes in supply chain	
2	Evaluation of supply chain performance and components of supply chain management	
3	Design of supply chain	
4	Global supply chains	
5	Demand forecasting in supply chain	
6	Aggregate planning in supply chain, sales and operations planning	
7	Exploiting economies of scale in supply chains: Management of cycle inventory	
8	Repeating courses and midterm exam	
9	Managing uncertainty in supply chain: Safety stock	
10	Determining the suitable product availability ratio	
11	Tedarik zincirinde ulaştırma problemleri	
12	Outsourcing in supply chains, collaboration and coordination with suppliers	
13	Pricing and revenue management	
14	Information technology in supply chain	
22	Textbooks, References and/or Other Materials:	<p>1. Chopra, S. and Meindl, P., Supply Chain Management: Strategy, Planning, and Operations, 4th ed., Pearson, 2010.</p> <p>2. Bozarth, C.C., Handfield, R.B., Introduction to Operations and Supply Chain Management, 2nd ed., Pearson, 2008.</p> <p>3. Mangan, J., Lalwani, C., Butcher, T., Global Logistics and Supply Chain Management, Wiley, 2008.</p> <p>4. Shapiro, J.F., Modeling the Supply Chain, 2nd ed., Thomson, 2007.</p>
23	Assesment	
<b>TERM LEARNING ACTIVITIES</b>		<b>NUMBER</b>
Midterm Exam		1
Quiz		0
Home work-project		5
Final Exam		1
Total		7
Contribution of Term (Year) Learning Activities to Success Grade		65.00
Contribution of Final Exam to Success Grade		35.00
Total		100.00
Measurement and Evaluation Techniques Used in the Course		
24	<b>ECTS / WORK LOAD TABLE</b>	

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	14	6.00	84.00
Homeworks	5	9.00	45.00
Projects	1	50.00	50.00
Field Studies	0	0.00	0.00
Midterm exams	1	2.00	2.00
Others	0	0.00	0.00
Final Exams	1	2.00	2.00
Total Work Load			225.00
Total work load/ 30 hr			7.50
ECTS Credit of the Course			7.50

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