

LOGISTICS MANAGEMENT DEPARTMENT COURSE CONTENTS

2024-2025

(THEORY PRACTICE CREDIT ECTS)

I. YEAR / I. SEMESTER / FALL SEMESTER

INTRODUCTION TO BUSINESS (T:3 U:0 K:3 ECTS:7)

"Basic Concepts, Management process and characteristics, Decision-making, Development of management thought, Classical and Neoclassical Management theories, Systems approach, Contingency approach, Lean organizations, Learning organizations, Leadership, Organizational culture, Coordination."

MICROECONOMICS (T:3 U:0 K:3 ECTS:6)

"Basic Principles of Economics, Scarcity and Factors of Production, Costs, Supply and Demand: Price formation and Market operation, Supply and Demand: Producer-Consumer Behavior and Market efficiency, Market Structures: From Perfect Competition to Monopoly Market, Supply and Demand: Markets and Welfare, Supply and Demand: Effects of Economic Policies and Prices."

MATHEMATICS I (T:3 U:0 K:3 ECTS:5)

"Numbers, Combination Calculations, Linear Equation Systems, Function Concept, Limit, Derivative and its Geometric Meaning, Extremum of Functions, Integral."

FINANCIAL ACCOUNTING I (T:3 U:0 K:3 ECTS:6)

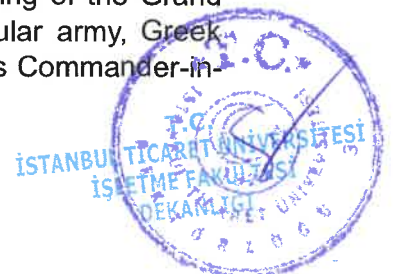
"Field and Scope of Accounting Science and Practices: Definition, Relationship with Economy and Law, Ability to Form Information System, Basic Concepts, Generally Accepted Principles, Accounting Standards, Implementation Foundations: Accounts and their Operation, Accounts and Results, Record Keeping, Access to Financial Statements."

TURKISH LANGUAGE I (T:2 U:0 K:2 ECTS:2)

"1. E-mail and petition writing techniques 2. Definition, characteristics, types of language 3. History of the Turkish Language, scripts used by Turks 4. Language and culture relationship 5. History of the Turkish Language, simplification stages of the Turkish language 6. Current problems of Turkish 7. Spelling Rules, Punctuation, Expression Disorders 8. Effective and beautiful speaking 9. Basic Diction Rules 10. Effective communication strategies and body language."

ATATÜRK'S PRINCIPLES AND HISTORY OF REVOLUTION I (T:2 U:0 K:2 ECTS:2)

"Events during the process of dissolution in the Ottoman Empire and modernization efforts; III. Selim period, II. Mahmut period, Tanzimat period, Constitutional Monarchy period, Committee of Union and Progress period, World War I, Occupations, Societies, Mustafa Kemal Pasha's activities after the Armistice of Mudros and his passage to Anatolia, Opening of the Grand National Assembly of Turkey, Treaty of Sèvres, Establishment of the regular army, Greek general offensive and battles on the Western Front, Mustafa Kemal Pasha's Commander-in-



Chief appointment, Battle of Sakarya, Great Offensive and signing of the Armistice of Mudanya, Treaty of Lausanne."

GENERAL ENGLISH I (T:2 U:0 K:2 ECTS:2)

* The verb 'to be' *singular and plural words *subject pronouns and possessive adjectives *countries and nationalities *occupations *simple present tense- affirmative structure *simple present tense- negative and question *possessive adjectives and pronouns *time prepositions 'can' *present continuous tense *distinction between present continuous and simple present tense.

I. YEAR / II. SEMESTER / SPRING SEMESTER

INTRODUCTION TO LOGISTICS (T:3 U:0 K:3 ECTS:7)

"The role of logistics in the economy and in business, Customer services, Logistics information systems, Inventory concept, Inventory management, Materials management, Transportation, Warehousing, Materials handling and packaging, Purchasing, International logistics, Logistics performance control, Supply chain management, Strategic applications in logistics."

MACROECONOMICS (T:3 U:0 K:3 ECTS:6)

"National Income Accounts and Formation: Income and Expenditure, Money, Interest and Income, Monetary and Fiscal Policies, Balance of Payments, Aggregate Demand, Supply and Growth, Behavioral Foundations: Consumption and Saving, Investment Expenditures, Demand for Money, Central Bank, Money and Credit, Stabilization Policies, Inflation, Unemployment, Budget Deficits and International Adjustment: Dynamics of Unemployment and Inflation, Money, Deficits and Inflation, Budget Deficits and Public Debts, International Adjustment."

MATHEMATICS II (T:3 U:0 K:3 ECTS:5)

"Numbers, Combination Calculations, Linear Equation Systems, Function Concept, Limit, Derivative and its Geometric Meaning, Extremum of Functions, Integral."

FINANCIAL ACCOUNTING II (T:3 U:0 K:3 ECTS:6)

"Accounting Standards, Generally Accepted Principles and Implementation Foundations: Accounts and their Operation, Accounts and Results, Record Keeping, Access to Financial Statements."

TURKISH LANGUAGE II (T:2 U:0 K:2 ECTS:2)

"The Turkish Language 2 course covers the subjects necessary for the student to be able to make successful written and oral applications in both literary and academic subjects. Information on written expression rules, types of writing, forms of expression, written expression applications to improve written expression skills, studies on written texts for success in written and oral expression, rules and types of oral expression will be given, and expression studies and applications will be carried out."

GENERAL ENGLISH II (T:2 U:0 K:2 ECTS:2)

"Covers A1-A2 reading, listening, writing, speaking, grammar, and vocabulary skills."



ATATÜRK'S PRINCIPLES AND HISTORY OF REVOLUTION II (T:2 U:0 K:2 ECTS:2)

"Mustafa Kemal Pasha's passage to Anatolia and his launching of the Turkish War of Independence, the period of circulars and congresses, Ankara being chosen as the center, the last gathering of the Ottoman Chamber of Deputies, Misak-ı Milli decisions, the official occupation of Istanbul, the opening of the Grand National Assembly of Turkey, the Treaty of Sèvres, Eastern and Southern Fronts. Establishment of the regular army and the Western Front; Greek general offensive and battles on the Western Front, Mustafa Kemal Pasha's Commander-in-Chief appointment, Battle of Sakarya, Great Offensive and signing of the Armistice of Mudanya, Treaty of Lausanne, proclamation of the Republic, Atatürk's principles and revolutions and Turkish modernization, foreign policy during the Atatürk period, Turkey after Atatürk; World War II, domestic and foreign policy in Turkey during the war years, domestic and foreign developments in Turkey after World War II. The World and Turkey in the 70s, 80s, 90s, and 2000s."

II. YEAR / III. SEMESTER / FALL SEMESTER

TRANSPORTATION MANAGEMENT I (T:3 U:0 K:3 ECTS:4)

"Stages of logistics management as a whole. Importance of official documents used in international road transport. What are Incoterms (delivery terms)? Benefits of effective tracking of delivery terms. How to stow a TIR truck in international road transport. Techniques for stowing goods in accordance with customs regulations, related concepts. LDM and CBM calculation techniques. Concepts related to freight price calculation. Potential costs in international road transport. Concepts related to cost calculation techniques. Points to consider when making a freight agreement. What does the FOT- FOT basis mean in freight price calculation? Why is it important, related concepts. Critical points in international agency relations management. Agency efficiency calculation. Points to consider in tariffs and contracts, related concepts. How is customer relationship management done in international road transport, related concepts. What are the periodic reporting techniques in international road transport? How is customer efficiency calculated in International Road Transport (IRT)? Why are TIR drivers important in IRT? Points to consider in subcontractor management. What should be the threshold for using rental vehicles? How is routing done in IRT, what are the points to consider in the dispatch report? Important points in warehouse and inventory management in IRT, how is warehouse efficiency calculated? What are the new trends in IRT, under what conditions will the truckers of tomorrow work?"

INTRODUCTION TO STATISTICS (T:3 U:0 K:3 ECTS:4)

"Definition, Subject, and Application Areas of Statistics, Basic Statistical Concepts (Population, Sample, Census, Sampling), Data Collection Methods, Organization of Data (Series), Benefits of Graphical Representation and Expression of Series with Graphs, Measures of Central Tendency (Arithmetic, Quadratic, Geometric, Harmonic Means, Mode, Median, Quartile, Decile, Centile), Measures of Variability (Standard Deviation, Variance, Range of Variation, Coefficient of Variation), Measures of Asymmetry (Characteristics Method, Pearson Coefficients Method, Moments Method), Concentration Ratio, Simple Regression and Correlation Analysis, Indices."



INTERNATIONAL TRADE (T:3 U:0 K:3 ECTS:4)

"Short Economic History and definitions of the Multilateral Trading System (MTS) with different approaches, Economy and Trade Relationship, Foreign Trade and Indices for a Country, Need for such a system like MTS to understand HDI and its parameters, Different International Trade Theories with examples, International Trade Policy and its objectives, Implementation tools of the MTS, MTS Institutions and the WTO, GATT Structure and its Function in the MTS, Continuation of WTO Operation, Negotiations addressed during the WTO Period and their processes, DOHA Negotiations and current effects, Evaluation of DOHA Negotiations and the agricultural sector, Pre-DOHA Negotiations and results of their implementation, Comparison of the rounds for their results and implementations, a brief revision of the course."

VOCATIONAL ENGLISH I (T:3 U:0 K:3 ECTS:4)

"Focuses on developing basic English terminology and communication skills used in the field of logistics and supply chain management. The course covers logistics processes, modes of transport, warehousing, inventory management, customs procedures, and fundamental concepts related to international trade. Students are provided with opportunities to practice professional writing (e-mail), report preparation, and oral communication skills, in addition to sectoral terms."

ACADEMIC SKILLS, METHOD, AND ETHICS (T:3 U:0 K:3 ECTS:2)

"Science and research, Types of research, analysis techniques, Quantitative research, Validity, reliability, Findings, information filtering, Report reading, Sampling, Ethics and plagiarism, Drafting, Editing, Presenting."

II. YEAR / IV. SEMESTER / SPRING SEMESTER

PRODUCTION MANAGEMENT (T:3 U:0 K:3 ECTS:4)

"Focuses on the effective and efficient planning, management, and control of goods and services production processes. The course covers topics such as production strategies, facility location selection, capacity planning, inventory management, quality control, lean manufacturing, supply chain management, and the impact of technological innovations on production processes. Students are provided with theoretical knowledge and practical examples on how to use resources most efficiently, how to optimize costs, and how to achieve productivity increases in production processes."

SERVICES MANAGEMENT AND MARKETING (T:3 U:0 K:3 ECTS:4)

"Focuses on understanding the dynamics of the service sector and developing effective management and marketing strategies for businesses to gain a competitive advantage. The course covers topics such as characteristics of services, service design and delivery, customer relationship management, service quality, pricing strategies, distribution channels, digital service marketing, and customer experience management. Students gain skills in strategic thinking, developing customer-centric approaches, and applying innovative marketing techniques to succeed in the service sector."

VOCATIONAL ENGLISH II (T:3 U:0 K:3 ECTS:5)

"Aims to provide advanced English language skills in the field of logistics and supply chain management. The course covers topics such as supply chain management strategies,



sustainable logistics, risk management, digitalization, and global logistics trends. Students acquire the skills to conduct professional correspondence, communicate effectively in negotiations, prepare technical reports, and use language efficiently in international logistics processes."

BUSINESS LAW (T:3 U:0 K:3 ECTS:4)

"Commercial enterprise, Establishment of an enterprise, Merchant status, Special provisions applicable to merchants, Trade name and business name, Organization of a commercial enterprise, Commercial books, Current account contract, Unfair competition, Pledge and transfer of a commercial enterprise."

LOGISTICS INTERNSHIP 1 (T:0 U:0 K:0 ECTS:6)

Includes application and practical work at a workplace to be determined in accordance with the Internship Regulation.

III. YEAR / V. SEMESTER / FALL SEMESTER

COST ACCOUNTING (T:3 U:0 K:3 ECTS:5)

"Covers the processes of determining, analyzing, and controlling costs in the production and service processes of businesses. The course covers topics such as types of costs, cost calculation methods, activity-based costing, variable and fixed costs, cost analysis techniques, and the use of cost information in decision-making processes. Students are provided with the skills to effectively use cost accounting systems to increase business profitability and ensure efficiency."

TRANSPORTATION MANAGEMENT 2 (T:3 U:0 K:3 ECTS:5)

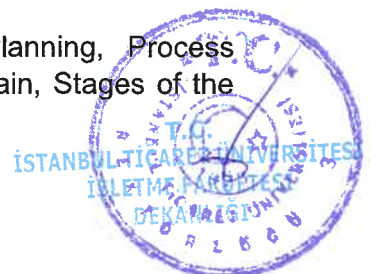
"Deals with national and international transportation processes at a more advanced level, focusing on effective management of transport modes, cooperation with logistics service providers, supply chain integration, and digitalization. The course detailedly examines topics such as multimodal transport, logistics network design, route optimization, environmental sustainability, and regulations in transportation. Students gain the skills to make strategic decisions and optimize operational processes in transportation management."

CUSTOMS LEGISLATION AND PRACTICES (T:3 U:0 K:3 ECTS:5)

"The Customs Legislation and Practices course comprehensively covers the functioning of customs regimes in foreign trade processes, import-export procedures, tariff and non-tariff barriers, compliance requirements with national legislation, and declaration-documentation processes. The course also examines key topics such as customs duties, free zones, bonded warehouse applications, risk analysis, and anti-smuggling policies, developing students' skills to correctly interpret legislation, conduct practical transactions, and effectively use digital customs systems. This comprehensive structure enables students to achieve competence in conducting efficient and reliable process management in international trade operations in compliance with legal requirements."

PURCHASING AND SUPPLY PLANNING (T:3 U:0 K:3 ECTS:5)

"Includes topics such as Introduction to Purchasing and Supply Planning, Process Management, System Concept, Concepts of Supply, Supplier, Supply Chain, Stages of the



Supply Chain, Logistics Processes within the Scope of Supply Planning, Supply Chain Examples, Uncertainties in the Supply Chain and Solution Methods, Flexibility and Efficiency, Supplier Relationship Management, Supplier Selection, Supplier Evaluation and Development, etc."

CAREER PLANNING (T:2 U:0 K:2 ECTS:0)

A course that supports the formation of a structure to build a bridge between the university and business world representatives. The aim of this course is to bring together business world representatives who have high educational capacity and are influential in their sectors with students to share experiences.

III. YEAR / VI. SEMESTER / SPRING SEMESTER

WAREHOUSE AND INVENTORY MANAGEMENT (T:3 U:0 K:3 ECTS:4)

"The Warehouse and Inventory Management course covers the basic principles and practices necessary for planning warehouse operations, arranging material flow, and effective control of stock levels in the supply chain processes of businesses. The course covers topics such as warehouse design, racking and layout systems, goods receipt-putaway-picking-shipping processes, inventory control techniques, ABC analysis, safety stock calculations, and counting methods. It also focuses on the use of automation, barcode/RFID systems, and warehouse management software, developing students' skills to manage modern warehouse operations efficiently, accurately, and cost-effectively. This comprehensive structure allows students to gain analytical and operational competencies that will increase warehouse performance."

HAZARDOUS MATERIALS (T:3 U:0 K:3 ECTS:4)

"Classification of Hazardous Materials, Packaging and Wrapping of Hazardous Materials, Vehicles Used in the Transport of Hazardous Materials, Duties, authorities, and responsibilities in Hazardous Materials transport, Rules to be followed in loading and unloading Hazardous Materials, Use of special handling equipment, Documents used in Hazardous Materials transport, Transport and storage of Hazardous Materials, Logistics of Paint and Derivatives, Total occupational safety and Risk management."

E-COMMERCE (T:3 U:0 K:3 ECTS:4)

"Objectives and tools of electronic commerce, general information, legal regulations, document system and possible accounting records according to different sales methods, electronic sales sites, problems encountered in electronic commerce and solution suggestions."

LOGISTICS PLANNING AND MODELLING (T:3 U:0 K:3 ECTS:5)

"Focuses on the analytical planning and modelling of logistics processes. The course covers topics such as logistics network design, demand forecasting, inventory management, route optimization, simulation techniques, and mathematical modelling approaches. Students gain the skills to perform data analysis, problem-solve, and use decision support systems to make logistics systems more efficient."

LOGISTICS INTERNSHIP 2 (T:0 U:0 K:0 ECTS:6)

Includes application and practical work at a workplace to be determined in accordance with the Internship Regulation.



IV. YEAR / VII. SEMESTER / FALL SEMESTER

ENTREPRENEURSHIP AND PROJECT DESIGN (T:3 U:0 K:3 ECTS:8)

"The role of entrepreneurs in business life, problems encountered in project management, effects of government policies on small and medium-sized enterprises (SMEs), technical and functional skills required for SME businesses, personal qualities of entrepreneurs, development of business plans. The aim is to develop entrepreneurship knowledge and characteristics and equip students with the necessary tools to start their own businesses. Project Design aims to provide technical knowledge and skills in the field of project management. It aims to provide theoretical and practical knowledge accumulation on evaluating the stages of the project preparation and project management process."

STRATEGIC MANAGEMENT IN LOGISTICS (T:3 U:0 K:3 ECTS:7)

"Concepts of Logistics and Strategic Management, Basic Concepts of Strategic Management, General Objectives, Vision, Mission and Other Business Objectives, Developments necessitating strategic management in the logistics sector, External Environment Analysis - Determination of Opportunities and Threats, Internal Analysis - Strengths and Weaknesses, Distinguishing Features, Measurement of Environmental Factors and Situation Determination Matrices, Business Management (Business Level) Strategies: Competitive Strategies, Top Management Strategies: Corporate Strategies, Portfolio development, Comprehensive Competitive Strategies and the Logistics Sector, Case Analyses in the Logistics Sector."

SUPPLY CHAIN MANAGEMENT (T:3 U:0 K:3 ECTS:5)

"Supply chain process and Information systems, Principles of materials management, Place and importance of supply chain management in logistics; Supply chain organization, Performance evaluation in the supply chain, Function of the supply chain and risk sharing in international trade."

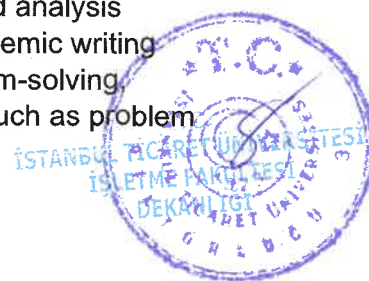
IV. YEAR / VIII. SEMESTER / SPRING SEMESTER

WORKPLACE EDUCATION (T:0 U:6 K:0 ECTS:30)

"Includes the stages of determining the institution or organization where the training will take place in accordance with the principles regarding workplace education practices, conducting applied training on determined subjects at the workplace in accordance with the relevant academic calendar, supervision of students during and after the training, and full implementation of the rules of the Directive to be prepared on this subject."

TERM PROJECT (T:3 U:0 K:3 ECTS:15)

"The Term Project course is a project-based course aimed at bringing together the theoretical and practical knowledge students have acquired throughout their undergraduate studies into a holistic work. Under the guidance of an advisor, students conduct literature review on a topic they determine, apply research methods, carry out data collection and analysis processes, and compile their findings into a report in accordance with academic writing principles. The course aims to develop students' analytical thinking, problem-solving, academic expression, and project management skills by covering stages such as problem



definition, project planning, research design, ethical principles, presentation preparation, and finalization. In this way, students gain a comprehensive project experience that will prepare them for real-life professional and academic work."

ELECTIVE COURSES / FALL SEMESTER

TURKISH ECONOMY (T:3 U:0 K:3 ECTS:5)

"Analytical Framework and Method of the Course, Macroeconomic Structure and System of Relations, Performance and Stability Indicators, Theoretical Analysis and Application Models of the Turkish Economy, Structure of Economic Management and Basic Policy Documents, Components of Gross Domestic Product, Real Sector Indicators, Domestic and External Balance Indicators, Debt Stock Indicators, Market Indicators, Cash and Payment Indicators, Confidence Indices and Expectations, Global Indicators, Macroeconomic Performance and Stability, Economic Management and Coordination Model for Emerging Market Economies."

LOGISTICS INFORMATION SYSTEMS (T:3 U:0 K:3 ECTS:5)

"What is the level of Logistics Information Systems today? How do Logistics Businesses Use Information Systems? What are Ethics, Moral Rules, and Social Issues in Information Systems? How is Information Technology Infrastructure established? What are Database, Normalization, and Information Management, and how are they ensured? What are Communication, Internet, and Wireless Technology? Why is Information System Security so important, and how is it ensured? Examples from Corporate Applications, E-Commerce, Examples from Corporate Applications, Supply Chain, How is Information Management done? Presentations."

URBAN LOGISTICS (T:3 U:0 K:3 ECTS:5)

"Focuses on the planning and management of urban logistics processes. Innovative strategies for effective logistics management in urban areas are aimed for by addressing issues such as traffic congestion, environmental impacts, the rise of e-commerce, and smart logistics solutions."

HUMANITARIAN LOGISTICS (T:3 U:0 K:3 ECTS:5)

"How to carry out fast and effective logistics operations in emergencies and disasters is the main subject of this course. Disaster management, supply chain organization, logistics planning in times of crisis, and efficiency in humanitarian aid operations are covered."

FLEET MANAGEMENT (T:3 U:0 K:3 ECTS:5)

"The course focuses on the effective management of vehicle fleets used in logistics operations. Topics such as vehicle tracking systems, maintenance planning, fuel management, driver performance, and fleet optimization are covered."

LOGISTICS SIMULATION (T:3 U:0 K:3 ECTS:5)

"This course, which provides students with the necessary skills to analyze, model, and test logistics systems with simulation techniques, includes applications for improving supply chain processes."



FOOD AND COLD CHAIN LOGISTICS (T:3 U:0 K:3 ECTS:5)

"The course covers temperature-controlled logistics processes, food safety management, and the critical role of the cold chain in logistics. Information is provided on the transportation and storage of perishable products."

HALAL FOOD LOGISTICS (T:3 U:0 K:3 ECTS:5)

This course examines the logistics processes of halal-certified food products and the compliance requirements with international halal standards. Supply chain management and auditing processes in halal logistics are covered.

RISK MANAGEMENT AND INSURANCE IN LOGISTICS (T:3 U:0 K:3 ECTS:5)

"Risks that may be encountered in logistics processes, uncertainty management, and logistics insurance practices are the main subjects of this course. Risk analysis methods and crisis management strategies are emphasized."

ORGANIZATIONAL BEHAVIOR (T:3 U:0 K:3 ECTS:5)

"This course examines the behavior of individuals and groups within the organization. It aims to provide effective management skills by focusing on topics such as motivation, leadership, organizational communication, and culture."

ELECTIVE COURSES / SPRING SEMESTER**TRANSPORTATION LEGISLATION (T:3 U:0 K:3 ECTS:5)**

"National and international transportation regulations, customs procedures, legal regulations for the logistics sector, and contracts are the main subjects of this course."

CURRENT ISSUES IN LOGISTICS (T:3 U:0 K:3 ECTS:5)

"The latest developments in the logistics sector, new technologies, sustainability studies, and changing market dynamics are covered in this course to increase students' sectoral awareness."

INNOVATION MANAGEMENT (T:3 U:0 K:3 ECTS:5)

"This course focuses on the management of innovation processes in businesses, innovation strategies, and adaptation to technological changes, teaching methods to gain a competitive advantage."

MANAGEMENT AND ORGANIZATION (T:3 U:0 K:3 ECTS:5)

"This course, which focuses on the effective management of businesses and the establishment of organizational structures, covers decision-making processes, strategic management, and organizational structure issues."

REVERSE AND GREEN LOGISTICS (T:3 U:0 K:3 ECTS:5)

"Sustainable logistics practices, recycling, waste management, carbon footprint reduction, and environmentally friendly logistics operations are the main subjects of this course."



PORT AND TERMINAL MANAGEMENT (T:3 U:0 K:3 ECTS:5)

"Topics such as the effective management of ports and terminals, their importance in logistics networks, and the optimization of operational processes are covered in this course."

RESEARCH METHODS AND BASIC COMPUTING (T:3 U:0 K:3 ECTS:5)

"Scientific research processes, data analysis, academic writing techniques, and basic computer skills are transferred to students within the scope of this course."

GLOBAL LOGISTICS (T:3 U:0 K:3 ECTS:5)

"International logistics processes, global supply chains, international trade agreements, and multinational logistics operations are the focus of this course."

QUALITY MANAGEMENT IN LOGISTICS (T:3 U:0 K:3 ECTS:5)

"This course focuses on ensuring quality standards in logistics processes, increasing customer satisfaction, and total quality management practices."

HUMAN RESOURCES MANAGEMENT (T:3 U:0 K:3 ECTS:5)

"Topics such as the efficient management of human resources in businesses, recruitment processes, performance evaluation, and employee motivation are covered."

TEXTILE AND APPAREL LOGISTICS (T:3 U:0 K:3 ECTS:5)

"Logistics processes specific to the textile sector, supply chain management, inventory control, and global textile logistics issues are covered."

INTEGRATED LOGISTICS (T:3 U:0 K:3 ECTS:5)

"The integrated management of logistics processes such as supply chain management, transportation, warehousing, and inventory management within a unified system is the main subject of this course."

