# PROGRAMME INFORMATION

**General Description**

**History: Logistics Management** offers both Undergraduate and Graduate programmes since 2001.

**Qualification Awarded:** The Bachelor’s Degree in Lojistics Management is awarded to the graduates who have successfully completed all courses in the curriculum.

**Level of Qualification:** First Cycle

**Specific Admission Requirements:** The student wanting to register to the department is obliged to complete the processes determined by ÖSYM (SSPC) within the framework of the academic and legal legislation of the university / to succeed in the examinations. A student starting his/her education in a domestic or foreign equivalent programme can apply for undergraduate transfer. The acceptance of the students is examined before the term starts by considering the conditions of each student and the degree to which they apply and is evaluated specially. More detailed information regarding the entrance to the university is available in the Corporation Introduction Catalogue.

The students coming from abroad within the context of the student exchange programmes approved by the university and whose constraints are determined with an agreement can take the courses given in English.

**Specific Arrangements for Recognition of Prior Learning (Formal, Non-Formal and Informal):** The rules and regulations for recognition of formal prior learning are well defined. Transfer can be made among institutions, the equivalency of which is recognized by the Higher Education Council. Also, successful vocational school graduates who want to continue their education to obtain Bachelor’s degrees are admitted if they are successful in the selection and placement examination (DGS, i.e., the vertical transfer examination). The courses to be taken by these students are determined by the relevant department, on the basis of courses they have completed in the programs they have graduated from. Recognition of prior non-formal or informal learning is at its beginning stage in Turkish Higher Education Institutions. Yeditepe University and hence the Department are not exceptions to this situation.

**Qualification Requirements and Regulations:** Apart from the Mid-term exams and optional quizzes, homeworks and term projects, at the end of each term there are Final examinations, the dates of which are indicated in the Academic Calendar which is available at the University’s website. Also, for graduation, it is required that the student should submit a graduation thesis, complete 130 course credits, and should realize 2 x 30 hours of summer internship successfully. The experience is to be obtained with the internships and the required workload has been considered within the content, application and workloads of the related courses in the programme.

# Profile of the Programme

**Occupational Profiles of Graduates with Examples**

Our graduates can mainly work as senior or junior managers in Logistics companies, or in the Logistics departments of firms. Alternatively, after gaining a Master’s Degree and Ph.D. Degree, they can work as a Post-Doctoral Research Fellow, Lecturer or Assistant Professor at universities.

# Access to Further Studies

The graduates holding Bachelor’s Degree are eligible to apply to Master’s Degree programs at the national and/or international level, both in the same and in related disciplines.

# Examination Regulations, Assessment and Grading

Students are required to take a mid-term examination and/or complete other assigned projects/homework during the semester and, additionally, are required to take a final examination and/or complete a final project for course evaluation. The assessment for each course is described in detail in “Individual Course Descriptions.”

# Graduation Requirements

Graduation requirements are explained in the section “Qualification Requirements and Regulations.”

# Mode of Study (Full-Time, Part-Time, E-Learning)

Full-time

# Address, Programme Director

Prof. Dr. Erkut AKKARTAL erkut.akkartal[l@yeditepe.edu.tr](mailto:l@yeditepe.edu.tr)

# Facilities

There are two Prof. Dr., three Assoc. Prof. Dr., one Assist. Prof. Dr., five Lecturers and four Research Assistants in our Department. All classrooms and computer labs in the Faculty of Commerce building are equipped with video projectors.

# PROGRAMME LEARNING OUTPUTS

**Knowledge**

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| 3 | International relations, maintain, monitor current and emerging trends in the selected competencies to master a second foreign language. |
| 5 | On road transport with mid-level managerial knowledge and skills to be able to. |
| 6 | Air transport in the mid-level managerial knowledge and skills to be able to. |
| 7 | Mid-level management in maritime transport with the knowledge and skills to be able to |
| 10 | Logistics and transport processes, awareness of social responsibility and ethical values sufficient to carry out the faithful to have knowledge of legal and regulatory |
| 18 | To adopt professional and ethical rules, to have social sensitivity. |

**Skills/capability**

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| 1 | Business concepts and information to assess and to be able to analyze problems, identify and to propose solutions based on research. |
| 2 | Manage logistics and transport current and emerging trends in the vocational track as proof of English proficiency. |
| 4 | Producers and trade companies, supply chain processes to plan to be able to., coordinate, execute and controls |
| 8 | Processes of international combined transport plan, to coordinate, execute and controls need to be able to |
| 9 | Compatible with the team members carry out a study vocational subjects. |
| 13 | According to the project schedule deadlines to prepare and carry out appropriate work program |
| 14 | Related to the planning and management of supply chain and logistics processes to have the ability to take advantage of information technology |
| 15 | Analytical decision-making methods, quantitative methods, identifying problems and offering solutions. |
| 16 | Stages of the research process in the field of scientific research subject to perform in accordance with |

# Competence

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| 17 | To resolve the current issues related to the subject area, and produce projects that will create new opportunities, community and colleagues share information related to the profession subjects. |
| 12 | Space-related issues and share knowledge about the people and their thoughts, supported by qualitative and quantitative data solutions to problems, orally and in writing, effectively transfer. |
| 11 | Understand and manage social and professional relationships, and these ideas put into practice to produce innovative and creative ideas, |

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| **Education Methods and Techniques**  The teaching - learning methods and strategies are selected in a way that aims the individual developments of the students and that will increase the skills such as lifelong learning, teaching to others, presentation, creative and critical thinking, cooperative working, effective utilization from the technology. | | |
| **Methods Techniques** | **Characteristics aimed to be developed** | **Characteristics related to the teaching environment** |
| Lecture | Cognitive characteristics such as listening, interpretation and commenting and proficiencies specific to the affective field such as awareness development and value system formation | Standard classroom technologies, multimedia tools, projector, computer, overhead projector |
| Question – answer | Cognitive characteristics such as listening, interpretation and commenting and proficiencies specific to the affective field such as awareness development and value system formation |  |
| Discussion | Cognitive characteristics such as listening, interpretation and commenting and proficiencies specific to the affective field such as awareness development and value system formation | Standard classroom technologies, multimedia tools, projector, computer, overhead projector |
| Simulation | Cognitive characteristics such as listening, interpretation and commenting and proficiencies specific to the affective field such as awareness development and value system formation; psychomotor characteristic such as imitation and skill development. | Real or virtual area for observation |
| Case study | Cognitive characteristics such as listening, interpretation and commenting and proficiencies specific to the affective field such as awareness development and value system formation; psychomotor characteristic such as imitation and skill development. |  |
| Testing | Cognitive characteristics such as listening, interpretation and commenting and proficiencies specific to the affective field such as awareness development and value system formation; psychomotor characteristic such as imitation and skill development. |  |
| Presentation | Cognitive characteristics such as listening, interpretation and commenting and proficiencies specific to the affective field such as awareness development and value system formation; psychomotor characteristic such as imitation and skill development. |  |
| Homework | Cognitive characteristics such as listening, interpretation and commenting and proficiencies specific to the affective field such as awareness development and value system formation; psychomotor characteristic such as imitation and skill development. | Internet and library databases, e- mails |
| Project | Cognitive characteristics such as listening, interpretation and commenting and proficiencies specific to the affective field such as awareness development and value system formation; psychomotor characteristic such as imitation and skill development. | Internet and library databases, e- mails, discussion forums |
| Laboratory | Cognitive characteristics such as listening, interpretation and commenting and proficiencies specific to the affective field such as awareness development and value system formation; psychomotor characteristic such as imitation and skill development. |  |

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| **Course Category List ECTS** | |
| **Support Courses** | |
| CALCULUS FOR BUSINESS & ECONOMICS I/II | 12 |
| ACADEMIC READING WRITING, CREATIVE THINKING I/II | 6 |
| INTRODUCTION TO ECONOMICS I/II | 12 |
| BUSINESS STATISTICS 1/2 | 12 |
| Managerial Accounting 1 | 6 |
| Financial Accounting 1 | 6 |
| Foreign Language1/2/3 | 12 |
| **Total** | **66** |
| **Basic Vocational Courses** | |
| Introduction to SCM & Logistics 1/2 | 12 |
| Logistics and marketing management | 6 |
| Integrated global logistics | 6 |
| Internship 1/2 | 12 |
| Supply chain ınformation systems 1/2 | 12 |
| Legislation on logistics & transportation 1/2 | 12 |
| Logistics modeling and & optimization Techniques. | 6 |
| Graduation project & thesis | 12 |
| Legislation | 12 |
| **Total** | **90** |
| **Expertise / Field Courses** | |
| Purchasing, warehousing & distribution | 6 |
| Transportation management 1/2 | 12 |
| Maritime logistics 1/2 | 12 |
| Transportation markets & business development | 12 |

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| Ports and terminals | 6 |
| Logistics & transport service marketing | 6 |
| Cargo management | 6 |
| Operations management in logistics | 6 |
| Security & risk management in logistics | 6 |
| Transportation Economics | 6 |
| TQM and Six Sigma | 6 |
| Warehouse management | 6 |
| Logistics planning & SCM | 6 |
| Logistics & transportation of special materials | 6 |
| Maritime &ports operations management 1/2 | 6 |
| Rail transportation 1/2 | 6 |
| Urban logistics | 6 |
| Contemporary ıssues for ıntl. logistics & transportation | 6 |
| Urban Logistics | 6 |
| **Total** | **132** |
| **Human, Communication and Management Skills Courses** | |
| HISTORY OF TURKISH REVOLUTION I/II | 4 |
| HUMANITIES I/II | 6 |
| TURKISH LANGUAGE AND LITERATURE I/II | 4 |
| **Total** | **14** |
| **ECTS Total of all courses** | **302** |

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| **RELATION OF PROGRAMME OUTPUTS WITH THE COURSE OUTPUTS** | | | | | | | | | | |  |  |  |  |  |  |  |  |
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| **Lecture** | *PO1* | *PO2* | *PO3* | *PO4* | *PO5* | *PO6* | *PO7* | *PO8* | *PO9* | *PO10* | *PO11* | *PO12* | *PO13* | *PO14* | *PO15* | *PO16* | *PO17* | *PO18* |
| Introduction to SCM &Logistics 1 | 0 | 4 | 3 | 5 | 3 | 3 | 3 | 5 | 3 | 5 | 4 | 3 | 5 | 3 | 3 | 1 | 5 | 0 |
| Introduction to SCM &Logistics 2 | 2 | 4 | 5 | 5 | 3 | 1 | 1 | 1 | 3 | 5 | 5 | 2 | 4 | 1 | 5 | 2 | 3 | 3 |
| Introduction to production systems | 4 | 3 | 2 | 3 | 1 | 1 | 1 | 1 | 1 | 4 | 3 | 3 | 3 | 1 | 1 | 1 | 1 | 1 |
| Logistics and marketing management | 4 | 5 | 5 | 5 | 2 | 2 | 1 | 3 | 4 | 4 | 4 | 4 | 3 | 4 | 3 | 3 | 5 | 3 |
| Internship 1 | 5 | 5 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| Purchasing, warehousing & Distribution | 1 | 4 | 5 | 4 | 5 | 5 | 5 | 5 | 2 | 5 | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 4 |
| Supply chain information systems 1 | 1 | 2 | 3 | 4 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 2 | 3 | 3 | 4 | 1 | 3 | 2 |
| Supply chain information systems 2 | 5 | 2 | 5 | 1 | 1 | 2 | 2 | 1 | 5 | 5 | 3 | 4 | 5 | 2 | 1 | 1 | 3 | 5 |
| Legislation on logistics & Transportation 1 | 1 | 4 | 5 | 4 | 5 | 5 | 5 | 5 | 2 | 5 | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 4 |
| Legislation on logistics & Transportation 2 | 3 | 5 | 5 | 2 | 5 | 5 | 5 | 5 | 3 | 4 | 2 | 3 | 2 | 4 | 2 | 0 | 4 | 4 |
| Internship 2 | 5 | 5 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| Transportation management1 | 3 | 5 | 5 | 3 | 5 | 5 | 5 | 5 | 4 | 5 | 3 | 3 | 1 | 1 | 1 | 1 | 1 | 4 |
| Transportation management2 | 2 | 5 | 4 | 4 | 5 | 5 | 5 | 5 | 3 | 5 | 4 | 3 | 3 | 3 | 3 | 2 | 2 | 4 |
| Maritime Lojistics1 | 5 | 4 | 5 | 4 | 3 | 3 | 3 | 5 | 5 | 5 | 4 | 5 | 3 | 5 | 4 | 5 | 4 | 4 |
| Maritime Logistics 2 | 4 | 4 | 5 | 4 | 5 | 4 | 5 | 3 | 4 | 5 | 2 | 5 | 2 | 3 | 2 | 2 | 4 | 2 |
| Transportation markets & business development | 5 | 5 | 4 | 5 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 0 |
| Ports & terminals | 4 | 4 | 4 | 3 | 1 | 1 | 4 | 3 | 4 | 3 | 4 | 3 | 5 | 4 | 4 | 3 | 4 | 5 |
| Logistics &Transport services marketing | 5 | 4 | 3 | 5 | 3 | 3 | 3 | 5 | 3 | 5 | 4 | 3 | 5 | 3 | 3 | 4 | 3 | 5 |
| Cargo management | 5 | 4 | 4 | 4 | 3 | 4 | 2 | 3 | 4 | 3 | 4 | 3 | 3 | 5 | 4 | 3 | 4 | 4 |
| Logistics Modeling &optimization  techniques | 5 | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 2 | 2 | 3 | 2 | 0 | 4 | 3 | 4 | 1 |
| Graduation Project & thesis | 5 | 4 | 3 | 4 | 5 | 3 | 2 | 2 | 3 | 5 | 3 | 3 | 2 | 5 | 2 | 5 | 2 | 4 |
| Operations management in logistics | 5 | 5 | 5 | 5 | 3 | 3 | 3 | 3 | 2 | 5 | 3 | 2 | 2 | 2 | 1 | 1 | 1 | 3 |
| Security & risk management in logistics | 1 | 2 | 3 | 4 | 3 | 3 | 5 | 4 | 4 | 4 | 4 | 2 | 3 | 4 | 4 | 4 | 4 | 5 |
| Transportation economics | 5 | 5 | 1 | 5 | 5 | 5 | 5 | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 3 |
| TQM and six sigma | 5 | 4 | 5 | 4 | 2 | 2 | 2 | 2 | 4 | 5 | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 4 |

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| Warehouse management | 5 | 5 | 5 | 5 | 3 | 1 | 1 | 1 | 3 | 4 | 5 | 4 | 4 | 5 | 5 | 4 | 3 | 5 |
| Logistics planning & SCM | 5 | 5 | 4 | 5 | 1 | 1 | 1 | 3 | 5 | 3 | 4 | 5 | 3 | 5 | 5 | 5 | 4 | 2 |
| Logistics &transportation of  special materials | 5 | 4 | 5 | 4 | 3 | 3 | 3 | 5 | 5 | 5 | 4 | 5 | 0 | 2 | 4 | 4 | 3 | 3 |
| Maritime & ports operations management  1 | 3 | 5 | 5 | 3 | 5 | 5 | 5 | 5 | 3 | 4 | 5 | 3 | 2 | 2 | 5 | 3 | 3 | 4 |
| Maritime & ports operations management 2 | 5 | 5 | 3 | 2 | 5 | 5 | 5 | 4 | 5 | 3 | 2 | 4 | 2 | 3 | 2 | 2 | 2 | 4 |
| Rail transportaion1 | 5 | 2 | 5 | 1 | 1 | 1 | 2 | 1 | 5 | 5 | 3 | 5 | 5 | 2 | 1 | 1 | 4 | 5 |
| Rail transportation 2 | 3 | 5 | 5 | 5 | 5 | 5 | 2 | 5 | 3 | 5 | 2 | 2 | 5 | 1 | 1 | 1 | 1 | 5 |
| Urban logistics | 5 | 4 | 1 | 1 | 3 | 1 | 1 | 1 | 1 | 3 | 3 | 1 | 1 | 1 | 1 | 1 | 4 | 4 |
| Contemporary issues in Transportation | 4 | 3 | 2 | 3 | 2 | 2 | 2 | 2 | 2 | 4 | 3 | 3 | 2 | 1 | 1 | 1 | 4 | 4 |

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| **LECTURE INFORMATION** | | | | | |
| **Lecture** | *Code* | *Semester* | *T+P Hours* | *Credit* | *ECTS* |
| Introduction to Supply Chain Management & Logistics II | ATR 102 | 2 | 3 + 0 | 3 | 6 |

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| **Prerequisites** Introduction to Supply Chain Management & Logistics I |

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| **Language of the Course** | English |
| **Level of the Course** | Undergraduate |
| **Course Type** | Compulsory |
| **Course Coordinator** | Prof. Dr. Erkut Akkartal |
| **Instructor** | Prof. Dr. Erdal Nebol |
| **Course Assistants -** | |
| **The Aim of the Course** | The main purpose of this course is to emphasize the scope of logistics operations and management and the goals of the IT system; to ensure the integration of logistics and supply chain. |
| **Course Content** | In this course; logistics operations and storage, packaging, product handling, information technology theory, global supply chain, network integration, planning problems example, integration operations, logistics design & operational planning will be covered. |

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| **Outputs of the Course** | **Program Learning Outcomes** | **Methods of Learning** | **Methods of Performance Measurement** |
| 1. In this course, students can solve the problems of logistics operations. | 2, 13, 14 | 1, 2, 3 | A, C |
| 2. In this course, students learn logistics operations, packaging and handling activities. | 2, 13, 14 | 1, 3, 4 | A, C |
| 3. In this course, students learn IT technologies. | 2, 7, 13, 14 | 1, 3 | A |
| 4. In this course, students manage global logistics operations. | 2, 13, 14 | 1, 2, 3 | A |
| 5. In this course, students learn about logistics and operational integration. | 2, 13, 14 | 1, 2, 4 | A |

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| **Teaching Methods** | 1: Lecture, 2: Question-Answer, 3: Discussion, 4: Simulation, 5: Case Study |
| **Assessment Methods** | A: Exam, B: Presentation, C: Homework, D: Project, E: Laboratory |

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| **TOPICS TO BE COVERED** | | |
| **Week** | **Topics** | **Preparations** |
| 1 | Repeating ATR 101 Course | 1 Hour |
| 2 | Logistics Operations and Storage | 1 Hour |
| 3 | Logistics Operations, Product Handling and Packaging | 1 Hour |
| 4 | Information Technology Theory | 1 Hour |
| 5 | Information Technology Theory | 1 Hour |
| 6 | Global Supply Chain | 1 Hour |
| 7 | Network Integration | 1 Hour |
| 8 | Sample Planning Problem | 1 Hour |
| 9 | Midterm Exam | 1 Hour |
| 10 | Operation Integration | 1 Hour |
| 11 | Operation Integration | 1 Hour |
| 12 | Logistics Design and Operational Planning | 1 Hour |
| 13 | Business | 1 Hour |
| 14 | General Overview | 1 Hour |
| 15 | Final Exam | 2 Hours |

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| **SOURCES** |
| **Textbook** Bowersox, Closs, Copper, (Supply Chain Logistics Management), McGraw Hill 3rd or 2nd edition. |
| **Other Sources** - |

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| **MATERIALS** | |
| **Documents** | - |
| **Homeworks** | - |
| **Exams** | Midterm Exam, Quiz, Final Exam |

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| **EVALUATION SYSTEM** | | |
| **SEMESTER STUDIES** | **NR** | **SHARE (%)** |
| Midterm | 1 | 40 |
| Quiz | 1 | 20 |
| Homework | 1 | 40 |
| **Total** |  | **100** |
| **Contribution of Final Exam** |  | 60 |
| **Contribution of Midterm Exam** |  | 40 |
| **Total** |  | **100** |

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| **COURSE TYPE** | CORE |

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| **CONTRIBUTION OF THE COURSE TO PROGRAM OUTCOMES** | | | | | | |
| No | Program Learning Outcomes | Contribution | | | | |
| 1 | 2 | 3 | 4 | 5 |
| 1 | To have sufficient knowledge in basic courses such as mathematics, economics, statistics, Turkish language and history of revolution; to gain the ability to apply the knowledge learned in the logistics businesses | X |  |  |  |  |
| 2 | To know what to do about supply chain operations, storage and distribution management in domestic and multinational enterprises, to make the organization and necessary analysis, and to propose plans and strategies. |  |  |  |  | X |
| 3 | To have a command of a chosen second foreign language with the competence to maintain international relations and to follow current and developing trends |  |  | X |  |  |
| 4 | To have sufficient level of legal and legislative knowledge in order to carry out logistics and transportation processes with social responsibility awareness and ethical values |  | X |  |  |  |
| 5 | To manage logistics processes in accordance with professional and ethical values, and in a socially sensitive way |  |  |  | X |  |
| 6 | To have knowledge about financial management by organizing the flow of goods and services in the supply chain |  | X |  |  |  |
| 7 | To use information systems and technologies used in supply chain management by using basic information technologies |  | X |  |  |  |
| 8 | To have knowledge about smart systems and industry 4.0 management in supply chain management |  |  | X |  |  |

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| No | Program Learning Outcomes | Contribution | | | | |
| 1 | 2 | 3 | 4 | 5 |
| 9 | To identify the problems with quantitative methods and to find solutions with analytical decision making methods |  | X |  |  |  |
| 10 | To carry out a research in the field of logistics in accordance with the stages of the scientific research process |  |  | X |  |  |
| 11 | To work in harmony with team members on professional issues, to find solutions to problems, to take responsibility |  | X |  |  |  |
| 12 | To prepare and to carry out a project or study according to project deadlines | X |  |  |  |  |
| 13 | To produce projects to solve current problems in logistics or to create new opportunities; sharing information with the community and colleagues on issues related to the profession |  |  |  | X |  |
| 14 | To inform the relevant people and institutions on logistics-related issues, to support their thoughts with qualitative and quantitative data, and to present their solutions to problems verbally and in writing |  |  | X |  |  |
| 15 | To manage social and professional relationships; to produce innovative and creative ideas and to put these ideas into practice |  |  | X |  |  |

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| **ECTS / WORK LOAD TABLE** | | | |
| Activities | Quantity | Duration (Hour) | Total Workload (Hour) |
| Course Duration (Including the exam weeks: 15 x Total Course Hours) | 15 | 4 | 60 |
| Out-of-Class Study Time (Pre-Study, Practice) | 15 | 3 | 45 |
| Midterm Exam | 1 | 10 | 10 |
| Quiz | 1 | 8 | 8 |
| Homework | 1 | 10 | 10 |
| Final Exam | 1 | 10 | 10 |
| **Total Work Load** |  |  | 143 |
| **Total Work Load / 25 (h)** |  |  | 5.72 |
| **ECTS of the Course** |  |  | 6 |

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| **LECTURE INFORMATION** | | | | | |
| **Lecture** | *Code* | *Semester* | *T+P Hours* | *Credit* | *ECTS* |
| Transport Management I | ATR 311 | 5 | 3 + 0 | 3 | 7 |

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| **Prerequisites -** |

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| **Language of the Course** | English |
| **Level of the Course** | Undergraduate |
| **Course Type** | Area Elective |
| **Course Coordinator** | Prof. Dr. Erkut Akkartal |
| **Instructor** | Assist. Prof. Dr. Özlem Sanrı |
| **Course Assistants -** | |
| **The Aim of the Course** | To emphasize the importance of the transportation sector in today's international trade conditions from a managerial point of view. |
| **Course Content** | The general business environment of the transport sector, transport types, the use of technology in the transport sector, the duties of the parties operating in the transport sector and the role of the state in the transport sector. |

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| **Outputs of the Course** | **Program Learning Outcomes** | **Methods of Learning** | **Methods of Performance Measurement** |
| 1. Students learn the types of transportation. | 2, 13, 14, 15 | 1, 2, 3 | A |
| 2. Students will have a good grasp of all parties operating in the transportation industry and the business environment. | 2, 13, 14, 15 | 1, 2, 3 | A |
| 3. Students learn to see the transportation industry from a managerial perspective. | 2, 13, 14, 15 | 1, 2, 3 | B, D |

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| **Teaching Methods** | 1: Lecture, 2: Question-Answer, 3: Discussion, 4: Simulation, 5: Case Study |
| **Assessment Methods** | A: Exam, B: Presentation, C: Homework, D: Project, E: Laboratory |

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| **TOPICS TO BE COVERED** | | |
| **Week** | **Topics** | **Preparations** |
| 1 | Transport and Geography | Textbook |
| 2 | Transport Infrastructures | Textbook |
| 3 | Transport Types I | Textbook |
| 4 | Transport Types II | Textbook |
| 5 | Terminals | Textbook |
| 6 | International Trade and Goods Transport I | Textbook |
| 7 | International Trade and Goods Transport II | Textbook |
| 8 | Transport Economics I | Textbook |
| 9 | Transport Economics II | Textbook |
| 10 | Transport, Energy and Environment | Textbook |
| 11 | Local Transportation | Textbook |
| 12 | Transport Planning and Policies | Textbook |
| 13 | Graduation Group Project Presentations | Textbook |
| 14 | General Overview | Textbook |
| 15 | Final Exam | Textbook |

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| **SOURCES** |
| **Textbook** The Geography of Transport Systems, 3rd edition, Jean-Paul Rodrigue (2013), New York: Routledge, 416 pages. ISBN 978-0-415-82254-1. |
| **Other Sources** - |

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| **MATERIALS** | |
| **Documents** | Lecture Notes, Textbook |
| **Homeworks** | Graduation Group Project |
| **Exams** | Midterm Exam, Final Exam |

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| **EVALUATION SYSTEM** | | |
| **SEMESTER STUDIES** | **NR** | **SHARE (%)** |
| Midterm | 1 | 60 |
| Quiz | - | - |
| Homework | 1 | 40 |
| **Total** |  | **100** |
| **Contribution of Final Exam** |  | 60 |
| **Contribution of Midterm Exam** |  | 40 |
| **Total** |  | **100** |

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| **COURSE TYPE** | SPECIALITY / AREA COURSES |

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| **CONTRIBUTION OF THE COURSE TO PROGRAM OUTCOMES** | | | | | | |
| No | Program Learning Outcomes | Contribution | | | | |
| 1 | 2 | 3 | 4 | 5 |
| 1 | To have sufficient knowledge in basic courses such as mathematics, economics, statistics, Turkish language and history of revolution; to gain the ability to apply the knowledge learned in the logistics businesses | X |  |  |  |  |
| 2 | To know what to do about supply chain operations, storage and distribution management in domestic and multinational enterprises, to make the organization and necessary analysis, and to propose plans and strategies. |  |  |  | X |  |
| 3 | To have a command of a chosen second foreign language with the competence to maintain international relations and to follow current and developing trends |  | X |  |  |  |
| 4 | To have sufficient level of legal and legislative knowledge in order to carry out logistics and transportation processes with social responsibility awareness and ethical values | X |  |  |  |  |
| 5 | To manage logistics processes in accordance with professional and ethical values, and in a socially sensitive way |  |  |  | X |  |
| 6 | To have knowledge about financial management by organizing the flow of goods and services in the supply chain | X |  |  |  |  |
| 7 | To use information systems and technologies used in supply chain management by using basic information technologies |  | X |  |  |  |
| 8 | To have knowledge about smart systems and industry 4.0 management in supply chain management |  |  | X |  |  |

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| No | Program Learning Outcomes | Contribution | | | | |
| 1 | 2 | 3 | 4 | 5 |
| 9 | To identify the problems with quantitative methods and to find solutions with analytical decision making methods |  | X |  |  |  |
| 10 | To carry out a research in the field of logistics in accordance with the stages of the scientific research process |  | X |  |  |  |
| 11 | To work in harmony with team members on professional issues, to find solutions to problems, to take responsibility |  |  | X |  |  |
| 12 | To prepare and to carry out a project or study according to project deadlines |  | X |  |  |  |
| 13 | To produce projects to solve current problems in logistics or to create new opportunities; sharing information with the community and colleagues on issues related to the profession |  |  | X |  |  |
| 14 | To inform the relevant people and institutions on logistics-related issues, to support their thoughts with qualitative and quantitative data, and to present their solutions to problems verbally and in writing |  |  |  | X |  |
| 15 | To manage social and professional relationships; to produce innovative and creative ideas and to put these ideas into practice |  |  |  | X |  |

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| **ECTS / WORK LOAD TABLE** | | | |
| Activities | Quantity | Duration (Hour) | Total Workload (Hour) |
| Course Duration (Including the exam weeks: 15 x Total Course Hours) | 15 | 3 | 45 |
| Out-of-Class Study Time (Pre-Study, Practice) | 15 | 5 | 75 |
| Midterm Exam | 2 | 15 | 30 |
| Quiz | - | - | - |
| Homework | 1 | 10 | 10 |
| Final Exam | 1 | 15 | 15 |
| **Total Work Load** |  |  | 175 |
| **Total Work Load / 25 (h)** |  |  | 7 |
| **ECTS of the Course** |  |  | 7 |

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| **LECTURE INFORMATION** | | | | | |
| **Lecture** | *Code* | *Semester* | *T+P Hours* | *Credit* | *ECTS* |
| Internship II | ATR 392 | 6 | 0 + 6 | 3 | 4 |

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| **Prerequisites**  Internship I |

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| **Language of the Course** | English |
| **Level of the Course** | Undergraduate |
| **Course Type** | Compulsory |
| **Course Coordinator** | Prof. Dr. Erkut Akkartal |
| **Instructor** | Prof. Dr. Erdal Nebol |
| **Course Assistants -** | |
| **The Aim of the Course** | The main purpose of this course is to teach students how to apply the theoretical knowledge they have learned in practical life. |
| **Course Content** | 30 working days of actual work in the logistics department of a company. |

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| **Outputs of the Course** | **Program Learning Outcomes** | **Methods of Learning** | **Methods of Performance Measurement** |
| 1. Students learn real applications on site. | 2, 5, 13, 14, 15 | - | - |
| 2. Students acquire knowledge of corporate culture. | 11, 15 | - | - |
| 3. Students learn the technical details of the industry. | 2, 5, 13, 14, 15 | - | - |

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| **Teaching Methods** | 1: Lecture, 2: Question-Answer, 3: Discussion, 4: Simulation, 5: Case Study |
| **Assessment Methods** | A: Exam, B: Presentation, C: Homework, D: Project, E: Laboratory |

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| **TOPICS TO BE COVERED** | | |
| **Week** | **Topics** | **Preparations** |
| 1 | Internship Orientation Training | Internship Forms |
| 2 | Observing Workplace | Internship Forms |
| 3 | Workplace Work (30 Days) + Daily Reports | Internship Forms |
| 4 | Workplace Analysis (SWOT Analysis) | Internship Forms |
| 5 | Workplace Analysis (SWOT Analysis) | Internship Forms |
| 6 | Approval of the Internship Report by the Employer | Internship Forms |
| 7 | Receiving Employer Evaluation Report | Internship Forms |
| 8 | Completing the Internship Report | Internship Forms |
| 9 | Presentation of Internship Reports | Internship Forms |
| 10 | Presentation of Internship Reports | Internship Forms |
| 11 | Presentation of Internship Reports | Internship Forms |
| 12 | Presentation of Internship Reports | Internship Forms |
| 13 | Presentation of Internship Reports | Internship Forms |
| 14 | Presentation of Internship Reports | Internship Forms |
| 15 | Presentation of Internship Reports | Internship Forms |

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| **SOURCES** |
| **Textbook** - |
| **Other Sources** - |

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| **MATERIALS** | |
| **Documents** | Internship Reports, Workplace Sample Document |
| **Homeworks** | - |
| **Exams** | Presentation of Internship Reports |

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| **EVALUATION SYSTEM** | | |
| **SEMESTER STUDIES** | **NR** | **SHARE (%)** |
| Midterm |  | - |
| Quiz |  | - |
| Homework |  | 100 |
| **Total** |  | **100** |
| **Contribution of Final Exam** |  | - |
| **Contribution of Midterm Exam** |  | 100 |
| **Total** |  | **100** |

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| **COURSE TYPE** | CORE |

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| **CONTRIBUTION OF THE COURSE TO PROGRAM OUTCOMES** | | | | | | |
| No | Program Learning Outcomes | Contribution | | | | |
| 1 | 2 | 3 | 4 | 5 |
| 1 | To have sufficient knowledge in basic courses such as mathematics, economics, statistics, Turkish language and history of revolution; to gain the ability to apply the knowledge learned in the logistics businesses | X |  |  |  |  |
| 2 | To know what to do about supply chain operations, storage and distribution management in domestic and multinational enterprises, to make the organization and necessary analysis, and to propose plans and strategies. |  |  |  |  | X |
| 3 | To have a command of a chosen second foreign language with the competence to maintain international relations and to follow current and developing trends |  |  |  | X |  |
| 4 | To have sufficient level of legal and legislative knowledge in order to carry out logistics and transportation processes with social responsibility awareness and ethical values |  |  |  | X |  |
| 5 | To manage logistics processes in accordance with professional and ethical values, and in a socially sensitive way |  |  |  |  | X |
| 6 | To have knowledge about financial management by organizing the flow of goods and services in the supply chain |  |  |  | X |  |
| 7 | To use information systems and technologies used in supply chain management by using basic information technologies |  |  |  |  | X |
| 8 | To have knowledge about smart systems and industry 4.0 management in supply chain management |  |  |  |  | X |

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| No | Program Learning Outcomes | Contribution | | | | |
| 1 | 2 | 3 | 4 | 5 |
| 9 | To identify the problems with quantitative methods and to find solutions with analytical decision making methods |  |  | X |  |  |
| 10 | To carry out a research in the field of logistics in accordance with the stages of the scientific research process |  | X |  |  |  |
| 11 | To work in harmony with team members on professional issues, to find solutions to problems, to take responsibility |  |  |  |  | X |
| 12 | To prepare and to carry out a project or study according to project deadlines |  |  |  |  | X |
| 13 | To produce projects to solve current problems in logistics or to create new opportunities; sharing information with the community and colleagues on issues related to the profession |  |  |  |  | X |
| 14 | To inform the relevant people and institutions on logistics-related issues, to support their thoughts with qualitative and quantitative data, and to present their solutions to problems verbally and in writing |  |  |  |  | X |
| 15 | To manage social and professional relationships; to produce innovative and creative ideas and to put these ideas into practice |  |  |  |  | X |

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| **ECTS / WORK LOAD TABLE** | | | |
| Activities | Quantity | Duration (Hour) | Total Workload (Hour) |
| Course Duration (Including the exam weeks: 15 x Total Course Hours) | 15 | 7 | 105 |
| Out-of-Class Study Time (Pre-Study, Practice) | - | - | - |
| Midterm Exam | - | - | - |
| Quiz | - | - | - |
| Homework | - | - | - |
| Final Exam | - | - | - |
| **Total Work Load** |  |  | 105 |
| **Total Work Load / 25 (h)** |  |  | 4.2 |
| **ECTS of the Course** |  |  | 4 |

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| **LECTURE INFORMATION** | | | | | |
| **Lecture** | *Code* | *Semester* | *T+P Hours* | *Credit* | *ECTS* |
| Innovation Project | ATR 498 | 8 | 2 + 2 | 3 | 7 |

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| **Prerequisites** Internship II |

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| **Language of the Course** | English |
| **Level of the Course** | Undergraduate |
| **Course Type** | Compulsory |
| **Course Coordinator** | Prof. Dr. Erkut Akkartal |
| **Instructor** | Prof. Dr. Erdal Nebol |
| **Course Assistants -** | |
| **The Aim of the Course** | The aim of the course is to enable students to synthesize the knowledge they have acquired throughout the curriculum under a team spirit and to design and implement a research project. |
| **Course Content** | Course description, literature research, project planning report, second project planning report, final project report. |

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| **Outputs of the Course** | **Program Learning Outcomes** | **Methods of Learning** | **Methods of Performance Measurement** |
| 1. Students learn how to form a team for the project. | 11, 15 | 1, 2 | A, B, D |
| 2. Students learn to establish a cargo company. | 2, 9, 13, 14, 15 | 1, 2, 3, 4 | A, B, D |
| 3. Students learn the applications in the service industry. | 2, 13, 14, 15 | 1, 2, 3, 4 | A, B, D |

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| **Teaching Methods** | 1: Lecture, 2: Question-Answer, 3: Discussion, 4: Simulation, 5: Case Study |
| **Assessment Methods** | A: Exam, B: Presentation, C: Homework, D: Project, E: Laboratory |

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| **TOPICS TO BE COVERED** | | |
| **Week** | **Topics** | **Preparations** |
| 1 | Course Description and Creating Project Teams |  |
| 2 | Course Description and Creating Project Teams |  |
| 3 | Literature Research |  |
| 4 | Literature Research |  |
| 5 | Designing Project Plans |  |
| 6 | Designing Project Plans |  |
| 7 | 1st Term Project |  |
| 8 | 1st Term Project |  |
| 9 | 2nd Term Project |  |
| 10 | 2nd Term Project |  |
| 11 | Report Presentations |  |
| 12 | Report Presentations |  |
| 13 | Report Presentations |  |
| 14 | Report Presentations |  |
| 15 | Final Projects |  |

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| **SOURCES** |
| **Textbook** - |
| **Other Sources** - |

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| **MATERIALS** | |
| **Documents** | - |
| **Homeworks** | - |
| **Exams** | Group Project |

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| **EVALUATION SYSTEM** | | |
| **SEMESTER STUDIES** | **NR** | **SHARE (%)** |
| Midterm | - | - |
| Quiz | - | - |
| Homework | - | 100 |
| **Total** |  | **100** |
| **Contribution of Final Exam** |  | - |
| **Contribution of Midterm Exam** |  | 100 |
| **Total** |  | **100** |

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| **COURSE TYPE** | CORE |

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| **CONTRIBUTION OF THE COURSE TO PROGRAM OUTCOMES** | | | | | | |
| No | Program Learning Outcomes | Contribution | | | | |
| 1 | 2 | 3 | 4 | 5 |
| 1 | To have sufficient knowledge in basic courses such as mathematics, economics, statistics, Turkish language and history of revolution; to gain the ability to apply the knowledge learned in the logistics businesses |  | X |  |  |  |
| 2 | To know what to do about supply chain operations, storage and distribution management in domestic and multinational enterprises, to make the organization and necessary analysis, and to propose plans and strategies. |  |  |  | X |  |
| 3 | To have a command of a chosen second foreign language with the competence to maintain international relations and to follow current and developing trends | X |  |  |  |  |
| 4 | To have sufficient level of legal and legislative knowledge in order to carry out logistics and transportation processes with social responsibility awareness and ethical values |  | X |  |  |  |
| 5 | To manage logistics processes in accordance with professional and ethical values, and in a socially sensitive way |  |  | X |  |  |
| 6 | To have knowledge about financial management by organizing the flow of goods and services in the supply chain |  |  | X |  |  |
| 7 | To use information systems and technologies used in supply chain management by using basic information technologies |  |  |  | X |  |
| 8 | To have knowledge about smart systems and industry 4.0 management in supply chain management |  |  |  | X |  |

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| --- | --- | --- | --- | --- | --- | --- |
| No | Program Learning Outcomes | Contribution | | | | |
| 1 | 2 | 3 | 4 | 5 |
| 9 | To identify the problems with quantitative methods and to find solutions with analytical decision making methods |  |  |  |  | X |
| 10 | To carry out a research in the field of logistics in accordance with the stages of the scientific research process |  |  |  |  | X |
| 11 | To work in harmony with team members on professional issues, to find solutions to problems, to take responsibility |  |  |  |  | X |
| 12 | To prepare and to carry out a project or study according to project deadlines |  |  |  |  | X |
| 13 | To produce projects to solve current problems in logistics or to create new opportunities; sharing information with the community and colleagues on issues related to the profession |  |  |  | X |  |
| 14 | To inform the relevant people and institutions on logistics-related issues, to support their thoughts with qualitative and quantitative data, and to present their solutions to problems verbally and in writing |  |  |  | X |  |
| 15 | To manage social and professional relationships; to produce innovative and creative ideas and to put these ideas into practice |  |  |  |  | X |

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| **ECTS / WORK LOAD TABLE** | | | |
| Activities | Quantity | Duration (Hour) | Total Workload (Hour) |
| Course Duration (Including the exam weeks: 15 x Total Course Hours) | 15 | 3 | 45 |
| Out-of-Class Study Time (Pre-Study, Practice) | 15 | 8 | 120 |
| Midterm Exam | - | - | - |
| Quiz | - | - | - |
| Homework | 1 | 10 | 10 |
| Final Exam | - | - | - |
| **Total Work Load** |  |  | 175 |
| **Total Work Load / 25 (h)** |  |  | 7 |
| **ECTS of the Course** |  |  | 7 |