# AYDIN ADNAN MENDERES UNIVERSITY
# COURSE INFORMATION FORM

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|---|---|---|---|---|---|---|---|---|---|
| Course Title | | Logistics of Dangerous Goods | | | | | | | |
| Course Code | | LYM529 | | Couse Level | | Second Cycle (Master's Degree) | | | |
| ECTS Credit | 5 | Workload | 127 *(Hours)* | Theory | 3 | Practice | 0 | Laboratory | 0 |
| Objectives of the Course | | Enrich the students' knowledge about the transportation, packaging, storage, ADR, RID, IMDG, ADNR, IATA (DGR) regulations of the dangerous goods and to guide the student who wants to specialize in this subject. | | | | | | | |
| Course Content | | This lesson; Identification and General Properties of Hazardous Substance Classes, Identification and General Properties of Hazardous Substance Classes, Identification and General Features of Hazardous Substance Classes, Labeling of Hazardous Substances Labeling, Vehicles Used in Hazardous Material Transportation, Hazardous Material Transportation, Parties, Responsibilities and Legal Arrangements, Hazardous Materials International Convention on the Transport of Goods on the Road-ADR, International Agreement on the Transport of Dangerous Goods on the Sea-IMDG, International Contract on the Transport of Dangerous Goods on the Railroad-RID, International Agreement on the Transport of Dangerous Goods in the Inland Waterways-ADNR, the Rules for the Carriage of Dangerous Goods on the Airways-International Rules for the Carriage of Dangerous Goods Dangerous Goods Transport Documents; Dangerous Goods Transport Documents; Includes topics. | | | | | | | |
| Work Placement | | N/A | | | | | | | |
| Planned Learning Activities and Teaching Methods | | | | Explanation (Presentation), Discussion, Individual Study | | | | | |
| Name of Lecturer(s) | | | | | | | | | |

| Assessment Methods and Criteria | | |
|---|---|---|
| Method | Quantity | Percentage (%) |
| Midterm Examination | 1 | 40 |
| Final Examination | 1 | 60 |

| Recommended or Required Reading | |
|---|---|
| 1 | ADR Basic Course Book |

| Week | Weekly Detailed Course Contents | |
|---|---|---|
| 1 | Theoretical | Introduction |
| 2 | Theoretical | International regulations for transportation of dangerous goods |
| 3 | Theoretical | National regulations for transportation of dangerous goods |
| 4 | Theoretical | Classification of dangerous goods |
| 5 | Theoretical | Classification of dangerous goods |
| 6 | Theoretical | Documentations for transportation of dangerous goods |
| 7 | Theoretical | Types of equipments and transportation |
| 8 | Theoretical | Packaging of dangerous goods / Labelling and marking of dangerous goods |
| 9 | Intermediate Exam | Midterms |
| 10 | Intermediate Exam | Midterms |
| 11 | Theoretical | Parties, Responsibilities and Legal Regulations |
| 12 | Theoretical | International Convention on the Transport of Dangerous Goods by Road-ADR |
| 13 | Theoretical | Term Paper Presentations |
| 14 | Theoretical | International Convention on the Transport of Dangerous Goods by Sea-IMDG |
| 15 | Theoretical | International Rules for the Carriage of Dangerous Goods by Air-DGS |
| 16 | Final Exam | Finals |

| Workload Calculation | | | | |
|---|---|---|---|---|
| Activity | Quantity | Preparation | Duration | Total Workload |
| Lecture - Theory | 13 | 0 | 3 | 39 |
| Reading | 13 | 0 | 2 | 26 |
| Midterm Examination | 1 | 25 | 1 | 26 |

| | | | | |
|---|---|---|---|---|
| Final Examination | 1 | 35 | 1 | 36 |
| | | | Total Workload (Hours) | 127 |
| | | | [Total Workload (Hours) / 25*] = **ECTS** | 5 |
| **25 hour workload is accepted as 1 ECTS* | | | | |

| **Learning Outcomes** | |
|---|---|
| 1 | To have a general information about national and international legal regulations on transportation of dangerous goods |
| 2 | To have an information about classification of dangerous goods |
| 3 | To have an information about package, labelling of dangerous goods |
| 4 | To have an information about documentation for transportation of dangerous goods |
| 5 | To have an information about equipments, transporting the dangerous goods |

| **Programme Outcomes** *(Logistics Management Interdisciplinary Master)* | |
|---|---|
| 1 | Being able to contribute to the institution the participant works for and the logistics sector by the use of the knowledge and abilities gained during the education period; and manage change in the institution and the sector; |
| 2 | Reaching a competency about contemporary business and technology applications in the area of logistics and supply chain management and analysis and strategy development methods; |
| 3 | Being able to create opportunities by combining supply chain management with information technologies and innovative processes by the use of the interdisciplinary courses the participants take; |
| 4 | Having the ability to develop creative solutions by working on global logistics and supply chain subjects and realizing these by the use of their project management knowledge; |
| 5 | Having the knowledge, abilities and capabilities required for effective logistics and supply chain management by the use of a problem and case analysis based learning; |
| 6 | Being able to examine logistics and supply chain processes with the management science viewpoint, analyze related concepts and ideas by scientific methods; |
| 7 | If continuing to work in the academia, having the necessary information on logistics applications; if continuing to work in the sector, having the necessary knowledge on conceptual subjects; |
| 8 | Being able to specify appropriate research questions about his/her research area, conduct an effective research with the use of necessary methods and apply the research outcomes in the sector or the academia; |
| 9 | Being able to follow the changes and developments in the sector the participant works in, in order to keep his/her personal and professional competence updated and develop himself/herself when necessary; |
| 10 | Have the necessary capabilities to pursue doctoral studies in national and foreign institutions |

**Contribution of Learning Outcomes to Programme Outcomes** *1:Very Low, 2:Low, 3:Medium, 4:High, 5:Very High*

| | L1 | L2 | L3 | L4 | L5 |
|---|---|---|---|---|---|
| P1 | 5 | 5 | 5 | 4 | 4 |
| P2 | 3 | 4 | 4 | 2 | 3 |
| P3 | 4 | 4 | 2 | 3 | 3 |
| P4 | 4 | 3 | 5 | 3 | 3 |
| P5 | 3 | 4 | 3 | 5 | 3 |
| P6 | 1 | 5 | 2 | 3 | 5 |
| P7 | 3 | 3 | 5 | 4 | 3 |
| P8 | 3 | 3 | 3 | 4 | 5 |
| P9 | 4 | 4 | 5 | 4 | 5 |
| P10 | 5 | 5 | 4 | 3 | 5 |