

# DANGEROUS GOODS IN AIR TRANSPORT

|      |   |   |   |
|------|---|---|---|
| 1    | Course Title:   | DANGEROUS GOODS IN AIR TRANSPORT  |   |
| 2    | Course Code:  | SHUZ211   |   |
| 3    | Type of Course:   | Compulsory  |   |
| 4    | Level of Course:  | Short Cycle   |   |
| 5    | Year of Study:  | 2   |   |
| 6    | Semester:   | 3   |   |
| 7    | ECTS Credits Allocated:   | 3.00  |   |
| 8    | Theoretical (hour/week):  | 2.00  |   |
| 9    | Practice (hour/week):   | 0.00  |   |
| 10   | Laboratory (hour/week):   | 0   |   |
| 11   | Prerequisites:  |   |   |
| 12   | Language:   | Turkish   |   |
| 13   | Mode of Delivery:   | Face to face  |   |
| 14   | Course Coordinator:   | Öğr. Gör. AHMET Y. ÖZTÜRK   |   |
| 15   | Course Lecturers:   |   |   |
| 16   | Contact information of the Course Coordinator:  | ozturkahmet@uludag.edu.tr   |   |
| 17   | Website:  |   |   |
| 18   | Objective of the Course:  | The aim of this course is to raise awareness in students about dangerous goods that are frequently transported in air transport, to give basic information about dangerous goods and to inform students about procedures related to matters such as transportation, storage and loading of dangerous goods. |   |
| 19   | Contribution of the Course to Professional Development:   | Upon successful completion of this course, students will have information about dangerous substances and various procedures related to these substances.  |   |
| 20   | Learning Outcomes:  |   |   |
|      |   | 1   | Learn the basic concepts of air cargo.  |
|      |   | 2   | Learn the basic concepts of hazardous materials.                                  |
|      |   | 3   | Learn the classification, transportation, and storage of hazardous materials.     |
|      |   | 4   | Learn the forms, calculations, and other elements related to hazardous materials. |
|      |   | 5   |   |
|      |   | 6   |   |
|      |   | 7   |   |
|      |   | 8   |   |
|      |   | 9   |   |
|      |   | 10  |   |
| 21   | Course Content:   |   |   |
|      |   | <b>Course Content:</b>  |   |
| Week | Theoretical   | Practice  |   |
| 1    | Cargo transportation in air transportation and related basic concepts, Companies in air cargo transportation, airplanes used in air cargo |   |   |

| 2  | Cargo transportation in air transportation and related basic concepts, Companies in air cargo transportation, airplanes used in air cargo                               |   |
|--|---|---|
| 3  | Definition of Dangerous Goods, General philosophy of dangerous goods, Basis of rules, Shipper and carrier responsibilities  |   |
| 4  | Training requirements and safety of hazardous materials   |   |
| 5  | Dangerous goods limits, Dangerous goods prohibited to be transported by air, Hidden dangerous goods, Dangerous goods allowed to be transported with passengers and crew |   |
| 6  | Dangerous goods that can be transported by mail Dangerous goods in the possession of the carrier.   |   |
| 7  | Hazardous substance classification and general principles   |   |
| 8  | Visa exam, classification of dangerous goods and general principles   |   |
| 9  | Identification of dangerous goods and use of lists, marking rules of dangerous goods packages.  |   |
| 10   | Application of risk and handling labels of Dangerous Goods packages   |   |
| 11   | Storage and loading rules of Dangerous Goods  |   |
| 12   | Special cargo loading and storage rules and requirements,   |   |
| 13   | Informing the captain about Special Cargo and special provisions, Emergency Procedures for Dangerous Goods  |   |
| 14   | Handling examples of dangerous goods in the context of load control and balance   |   |
| 22   | Textbooks, References and/or Other Materials:   | THY Hazardous Substances Awareness Textbook, Air Cargo and Hazardous Substances (Anadolu University Aöf Publications)                                       |
| 23   | Assesment   |   |
| TERM LEARNING ACTIVITIES   |   | NUMBER  |
| Midterm Exam   |   | 1   |
| Quiz   |   | 0   |
| Home work-project  |   | 0   |
| Final Exam   |   | 1   |
| Total  |   | 2   |
| 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         |   | Measurement and evaluation are carried out according to the principles of Bursa Uludağ University Associate Degree and Undergraduate Education Regulations. |
| 24   | ECTS / WORK LOAD TABLE  |   |

| Activites                  | Number | Duration (hour) | Total Work Load (hour) |
|----------------------------|--------|-----------------|------------------------|
| Theoretical                | 14     | 2.00            | 28.00                  |
| Practicals/Labs            | 0      | 0.00            | 0.00                   |
| Self study and preperation | 14     | 1.00            | 14.00                  |
| Homeworks                  | 0      | 0.00            | 0.00                   |
| Projects                   | 0      | 0.00            | 0.00                   |
| Field Studies              | 0      | 0.00            | 0.00                   |
| Midterm exams              | 1      | 14.00           | 14.00                  |
| Others                     | 0      | 0.00            | 0.00                   |
| Final Exams                | 1      | 30.00           | 30.00                  |
| Total Work Load            |        |                 | 86.00                  |
| Total work load/ 30 hr     |        |                 | 2.87                   |
| ECTS Credit of the Course  |        |                 | 3.00                   |

| 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   | 0      | 0   | 0           | 0    | 5    | 4    | 0    | 0    | 0    | 0    |
| ÖK2   | 4   | 0   | 0     | 0   | 0        | 0   | 0      | 0   | 0           | 0    | 3    | 2    | 0    | 0    | 0    | 0    |
| ÖK3   | 2   | 0   | 0     | 0   | 0        | 0   | 0      | 0   | 0           | 0    | 4    | 4    | 0    | 0    | 0    | 0    |
| ÖK4   | 4   | 0   | 0     | 0   | 0        | 0   | 0      | 0   | 0           | 0    | 4    | 3    | 0    | 0    | 0    | 0    |
| LO: Learning Objectives    PQ: Program Qualifications |   |     |       |     |          |     |        |     |             |      |      |      |      |      |      |      |
| Contrib ution Level:                                  | 1 very low  |     | 2 low |     | 3 Medium |     | 4 High |     | 5 Very High |      |      |      |      |      |      |      |