**GAU, School of Aviation, Civil Aviation and Cabin Services**

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| **Course Unit Title** | Hazardous Materials Training |
| **Course Unit Code** | CACS108 |
| **Type of Course Unit**  | Compulsory, Civil Aviation and Cabin Services Students  |
| **Level of Course Unit**  | 1rd Year  |
| **National Credits** | 2 |
| **Number of ECTS Credits Allocated** | 0 ECTS |
| **Theoretical (hour/week)** | 2 |
| **Practice (hour/week)** | - |
| **Laboratory (hour/week)** | - |
| **Year of Study** | 1 |
| **Semester when the course unit is delivered** | 2 |
| **Course Coordinator** |  |
| **Name of Lecturer (s)** |  |
| **Name of Assistant (s)** |  |
| **Mode of Delivery**  | Face to Face and E-learning activities |
| **Language of Instruction**  | English |
| **Prerequisities and co-requisities**  | - |
| **Recommended Optional Programme Components**  | Basic background of Fundamentals of Aviation |
| **Objectives of the Course:** |
| * Methods to be used in emergency cases and development in student knowledge and skill level in both theoretical and practical topics regarding hazardous material.
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| **Course Description** |  |
| This course aims to provide flight safety by training personnel and applying correct rules for passengers handling hazardous materials. |
| **Course Contents** |
| Week |  | Exam**s** |
| 1 | General philosophy of hazardous material rules |  |
| 2 | Applying hazardous material rules,  |  |
| 3 | Definition of hazardous material |  |
| 4 | General handling requirements |  |
| 5 | Responsibilities of hazardous material handling | Quiz #1 |
| 6 | Responsibilities of addresser, Responsibilities of transporter |  |
| 7 | Hazardous material limits, Restricted hazardous material on flight, Confidential hazardous materials |  |
| 8 | Midterm Exam | Midterm |
| 9 | Legal to handle hazardous material, Transportation of hazardous material in air-post |  |
| 10 | Hazardous material under transporter handling, |  |
| 11 | Permitted air cargo hazardous material, Limited hazardous material |  |
| 12 | Exceptional amount of hazardous material, SHGM Liquid limitations, | Quiz #2 |
| 13 | Hazardous material categories |  |
| 14 | Exercise and Tutorial Class |  |
| 15 | Final Exam | Final |
| **Recommended Sources** |
| **Textbook:** **Supplementary Material(s):**  |
| **Assessment** |
| Attendance | 5% |  |
| Assignments | 10% |  |
| Project-Seminar | 10% |  |
| Midterm Exam | 30% | Written |
| Quizzes | 5% |  |
| Final Exam | 50% | Written  |
| Total | 100% |  |
| **ECTS Allocated Based on the Student Workload** |
| Activities | Number  | Duration (hour)  | Total Workload(hour) |
| Hours per week (Theoretical) | 15 | 3 | 45 |
| Presenting of observations and tutorials as report | 5 | 5 | 25 |
| Preparation of the homeworks | 5 | 5 | 25 |
| Quizzes | 2 | 11 | 22 |
| Supervision  | 1 | 17 | 17 |
| Final Exam | 1 | 22 | 22 |
| Total Workload  | 156 |
| Total Workload/30 (h) | 5.2 |
| ECTS Credit of the Course | 5 |