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

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Course Unit Title** | | | | Airport and Flight Security | | | | |
| **Course Unit Code** | | | | CACS106 | | | | |
| **Type of Course Unit** | | | | Compulsory, Civil Aviation and Cabin Services | | | | |
| **Level of Course Unit** | | | | 1st Year | | | | |
| **National Credits** | | | | 3 | | | | |
| **Number of ECTS Credits Allocated** | | | | 3 ECTS | | | | |
| **Theoretical (hour/week)** | | | | 3 | | | | |
| **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 | | | | |
| **Language of Instruction** | | | | English | | | | |
| **Prerequisites and co-requisites** | | | | - | | | | |
| **Recommended Optional Programme Components** | | | | - | | | | |
| **Objectives of the Course:** | | | | | | | | |
| * Teaching the basic airport environment. * Teaching the security concepts in flight. | | | | | | | | |
| **Course Description** | | | | | | | | |
| This course will provide basic concepts in aviation security, security concept, terrorism and historical background, security threats on planes, airport and flight safety concept, behaviour analysis, passenger profiles, precautions, threat levels, international regulations and cockpit security. | | | | | | | | |
| **Course Contents** | | | | | | | | |
| Week |  | | | | | | | Exam**s** |
| 1 | Introduction to Airport Security and Safety | | | | | | |  |
| 2 | Airport security procedures & AI systems in Airport Security | | | | | | |  |
| 3 | First Line of Defence System | | | | | | |  |
| 4 | Personal Check and Last Line of Defence | | | | | | |  |
| 5 | Violence Hijacking | | | | | | |  |
| 6 | Bomb Threat Action | | | | | | |  |
| 7 | Effects & Impacts of Hijacking to Aviation | | | | | | | Midterm |
| 8 | Midterm Exam | | | | | | |  |
| 9 | Hijacking, stages of hijacking and cabin crews' course of action. Hostage syndromes and techniques to combat these syndromes. Types of passengers with the potential to hijack aircraft. | | | | | | |  |
| 10 | Air Marshal, Physical restraint and handcuffs. | | | | | | |  |
| 11 | Aircraft Security Search/Checks, Aircraft Security Search/Control, Aircraft Search Methods, which parts should be searched? Use of ASSCL Form, Communication with Cockpit crew. Searches in transit/transfer flights. Security measures for passengers who board the plane incorrectly and give up on flying. | | | | | | |  |
| 12 | Rules for transporting unclaimed items, firearms and sharps and stabs left on the plane. Identification of Prohibited/Dangerous Substances and Goods, Procedures for dangerous goods to be transported | | | | | | |  |
| 13 | Aircraft Protection and Aircraft Access Control, In-flight Safety Criteria, Cockpit Gates, Cockpit Access, Cockpit Communication, Flight Security Officers/Air Police, Acceptance of Flight Procurements, Acceptance of Aircraft Cleaning Materials and Supplies, Aircraft Security Seal Procedures. | | | | | | |  |
| 14 | Revision, Exercises and Tutorial Class | | | | | | |  |
| 15 | Final Exam | | | | | | | Final |
| **Recommended Sources** | | | | | | | | |
| **Textbook:**  **Supplementary Material(s):** | | | | | | | | |
| **Assessment** | | | | | | | | |
| Attendance | | 5% |  | | | | | |
| Assignments | | 0% |  | | | | | |
| Project-Seminar | | 0% |  | | | | | |
| Midterm Exam | | 45% | Written | | | | | |
| Quizzes | | 0% |  | | | | | |
| 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 homework | | | | | 5 | 5 | 25 | |
| Mid Term | | | | | 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 | |