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

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| **Course Unit Title** | Safety Management System |
| **Course Unit Code** | CACS217 |
| **Type of Course Unit**  | Elective, Civil Aviation and Cabin Services  |
| **Level of Course Unit**  | 2nd Year |
| **National Credits** | 2 |
| **Number of ECTS Credits Allocated** | 3 ECTS |
| **Theoretical (hour/week)** | 2 |
| **Practice (hour/week)** | - |
| **Laboratory (hour/week)** | - |
| **Year of Study** | 2 |
| **Semester when the course unit is delivered** | 4 |
| **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**  | Basic background of Aircraft Safety and Security |
| **Objectives of the Course:** |
| * Teaching an introduction to safety in aviation.
* Teaching the basic components of safety management.
* Teaching the fundamental safety concept in ATC, aircraft and etc.
* Teaching the air crash investigation principles and the probability and/or statistics.
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| **Course Description** |
| This course is a complete, fully updated guide to commercial aviation safety. Presenting the latest procedures and standards in general and international air traffic and regulatory agencies, this extensively revised resource covers the entire commercial aviation safety system—from human factors to accident investigation. |
| **Course Contents** |
| Week |  | Exams |
| 1 | Introduction to SMS |  |
| 2 | History and Evolution of SMS |  |
| 3 | ICAO, FAA, EASA, IATA and other Regulatory Bodies  |  |
| 4 | ICAO, FAA, EASA, IATA and other Regulatory Bodies |  |
| 5 | Components of SMS |  |
| 6 | Safety Policy and Objectives |  |
| 7 | Management Commitment |  |
| 8 | Midterm Exam | Midterm |
| 9 | Regulatory Framework and Compliance |  |
| 10 | National Regulations and Industry Standards |  |
| 11 | Data Collection and Analysis  |  |
| 12 | Human Factor |  |
| 13 | Emergency Response Planning |  |
| 14 | Revision, Exercises and Tutorial Class |  |
| 15 | Final Exam | Final |
| **Recommended Sources** |
| **Textbook:** Safety Management Systems in Aviation Authors: Alan J. Stolzer, Carl D. Halford, John J. Goglia**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 | 2 | 30 |
| Presenting of observations and tutorials as report | 5 | 3 | 15 |
| Preparation of the homework | 5 | 3 | 15 |
| Mid Term | 1 | 11 | 11 |
| Supervision  | 1 | 14 | 14 |
| Final Exam | 1 | 11 | 11 |
| Total Workload  | 96 |
| Total Workload/30 (h) | 3.2 |
| ECTS Credit of the Course | 3 |