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

|  |  |
| --- | --- |
| **Course Unit Title** | Introduction to Aviation |
| **Course Unit Code** | CACS101 |
| **Type of Course Unit**  | Compulsory, Aviation Management and Cabin Services Students |
| **Level of Course Unit**  | 1st Year  |
| **National Credits** | 3 |
| **Number of ECTS Credits Allocated** | 0 ECTS |
| **Theoretical (hour/week)** | 3 |
| **Practice (hour/week)** | - |
| **Laboratory (hour/week)** | - |
| **Year of Study** | 1 |
| **Semester when the course unit is delivered** | 1 |
| **Course Coordinator** |  |
| **Name of Lecturer (s)** |  |
| **Name of Assistant (s)** |  |
| **Mode of Delivery**  | Face to Face and E-learning activities |
| **Language of Instruction**  | English |
| **Prerequisites and co-requisites**  | - |
| **Recommended Optional Programme Components**  | Basic background of Fundamentals of Aviation |
| **Objectives of the Course:** |
| * Teaching the basic history of aviation
* Teaching the main developments and challenges in Aviation
* Teaching basic knowledge of principle of flying
 |
| **Course Description** |  |
| The course provides an overview about the aviation and its history together with main developments and challenges that the major group of activities in aviation faces. |
| **Course Contents** |
| Week |  | Exam**s** |
| 1 | Introduction to Aviation(Overview of Aviation industries and regulation bodies) |  |
| 2 | History of Aviation. |  |
| 3 | Aircraft Categories and Classifications |  |
| 4 | Aircraft Categories and Classifications: In class exercises |  |
| 5 | The Airliners, Major Group of Activities in Aviation |  |
| 6 | Regulation of civil aviation activities (international civil aviation organizations, civil aviation regulations in Turkey) |  |
| 7 | Airline businesses (management and organization of airline companies, income and expenses of airline companies) |  |
| 8 | Midterm Exam | Midterm |
| 9 | Aircraft Structure and basic components |  |
| 10 | Air law, regulations and ATC services |  |
| 11 | Airports (entrance to airports, airport identification codes) |  |
| 12 | Airports (airport elements, visual aids for navigation, our country's airports) |  |
| 13 | airport ground service activities |  |
| 14 | Revision |  |
| 15 | Final Exam | Final |
| **Recommended Sources** |
| **Textbook:** Fred Mabonga, “Introduction to Aviation”, 1th edition, Author house, 2015.**Supplementary Material(s):** John Anderson, “Introduction to Flight”, 6th edition, Mc Graw Hill Education, 2016. |
| **Assessment** |
| Attendance | 5% |  |
| Assignments | 10% |  |
| Project-Seminar | 10% |  |
| Midterm Exam | 25% | Written |
| Quizzes | 10% |  |
| Final Exam | 40% | 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 | 7 | 35 |
| Preparation of the homework | 5 | 7 | 35 |
| Quizzes | 2 | 11 | 22 |
| Supervision  | 1 | 17 | 17 |
| Final Exam | 1 | 22 | 22 |
| Total Workload  | 176 |
| Total Workload/30 (h) | 5.9 |
| ECTS Credit of the Course | 6 |