GAU, School of Aviation, Aviation Management

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| **Course Unit Title** | | | | Introduction to Aviation | |
| **Course Unit Code** | | | | AVM201 | |
| **Type of Course Unit** | | | | Compulsory, Aviation Management and Cabin Services  Students | |
| **Level of Course Unit** | | | | 2nd Year BSc | |
| **National Credits** | | | | 3 | |
| **Number of ECTS Credits Allocated** | | | | 6 ECTS | |
| **Theoretical (hour/week)** | | | | 3 | |
| **Practice (hour/week)** | | | | - | |
| **Laboratory (hour/week)** | | | | - | |
| **Year of Study** | | | | 2 | |
| **Semester when the course unit is delivered** | | | | 3 | |
| **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 Program 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. Some basic knowledge about the principles of flying will also be discussed. | | | | | |
| **Course Contents** | | | | | |
| Week |  | | | | Exams |
| 1 | Introduction to Aviation (Overview of Aviation industries and regulation bodies) | | | |  |
| 2 | History of Aviation | | | |  |
| 3 | History of Turkish Aviation | | | |  |
| 4 | Aviation Terminology/Key Aviation Concepts, Aircraft Types and Classifications | | | |  |
| 5 | Principals of Flight/Aerodynamics, Lift-Weight-Thrust-Drag | | | |  |
| 6 | Aircraft Structure, Systems and Components | | | |  |
| 7 | Airport Design and Operations/ATC, Airspace Structure and Management | | | |  |
| 8 | Midterm Exam | | | | Midterm |
| 9 | Navigation and Communication/Navaids, Communication Procedures and Equipment | | | |  |
| 10 | Aviation Safety and Security | | | |  |
| 11 | Regularity Framework/ICAO, FAA, EASA | | | |  |
| 12 | Meteorology for Aviation, Weather Phenomenon affecting Flight | | | |  |
| 13 | Airline and Airport Operations / Sustainable Aviation | | | |  |
| 14 | Human Factors in Aviation/CRM | | | |  |
| 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% |  | | |

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| 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 |