**GAU, School of Aviation, Aviation Management**

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| **Course Unit Title** | | | | **Airport Management** | | | | |
| **Course Unit Code** | | | | **AVM302** | | | | |
| **Type of Course Unit** | | | | **Compulsory, Aviation Management** | | | | |
| **Level of Course Unit** | | | | **3rd Year BSc** | | | | |
| **National Credits** | | | | **3** | | | | |
| **Number of ECTS Credits Allocated** | | | | **5 ECTS** | | | | |
| **Theoretical (hour/week)** | | | | **3** | | | | |
| **Practice (hour/week)** | | | | **-** | | | | |
| **Laboratory (hour/week)** | | | | **-** | | | | |
| **Year of Study** | | | | **3** | | | | |
| **Semester when the course unit is delivered** | | | | **6** | | | | |
| **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 Airports** | | | | |
| **Objectives of the Course:**   * **Teaching the Airport environments and basic components.** * **Teaching the main developments of airports.** * **Teaching the airport management concepts and strategies** * **Teaching the fundamental principles of ATC, runway, taxiway, apron and terminal planning.** | | | | | | | | |
| **Course Description** | | | | | | | | |
| **This course is typically focused on building knowledge of airport and airfield systems, communication abilities and business skills.** | | | | | | | | |
| **Course Contents** | | | | | | | | |
| Week |  | | | | | | | Exam**s** |
| 1 | Introduction to Airports | | | | | | |  |
| 2 | Airports and airport systems: A historical and legislative perspective | | | | | | |  |
| 3 | Details of Airside and Landside areas | | | | | | |  |
| 4 | Airport Operations, Airspace and air traffic Management | | | | | | |  |
| 5 | Airport Lighting System (Runway, Taxiway, beacons…) | | | | | | | Quiz #1 |
| 6 | Airport Financial Management, gate management | | | | | | |  |
| 7 | Exercises, Tutorials and Revision Class | | | | | | |  |
| 8 | Midterm Exam | | | | | | | Midterm |
| 9 | Introduction to Airport safety | | | | | | |  |
| 10 | Air cargo management system and perspectives | | | | | | |  |
| 11 | Airport capacity and delay management, economical perspectives | | | | | | |  |
| 12 | Introduction to Runway systems, ATC and capacity planning | | | | | | | Quiz #2 |
| 13 | Runway Length Calculation | | | | | | |  |
| 14 | Revision, Exercises and Tutorial Class | | | | | | |  |
| 15 | Final Exam | | | | | | | Final |
| **Recommended Sources** | | | | | | | | |
| **Textbook:** Seth B. Young & Alexander T Wells, “Airport Planning and Management”, 6th edition, Mc Graw Hill, 2011.  **Supplementary Material(s):** S. Schai FIES, “The Design, Installation and Maintenance of Airport Lighting”, 1th  edition, Jaquith Industries, 1986. | | | | | | | | |
| **Assessment** | | | | | | | | |
| Attendance | | 5% |  | |  |  |  |  |
| Assignments | | 10% |  | |  |  |  |  |
| Project-Seminar | | 15% |  | |  |  |  |  |
| Midterm Exam | | 25% | Written | |  |  |  |  |
| Quizzes | | 10% |  | |  |  |  |  |
| Final Exam | | 35% | 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 | |