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

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| **Course Unit Title** | Contemporary Aviation Issues |
| **Course Unit Code** | AVM404 |
| **Type of Course Unit** | Compulsory, Aviation Management |
| **Level of Course Unit** | 4rd 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** | 4 |
| **Semester when the course unit is delivered** | 8 |
| **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 Aviation Issues |
| **Objectives of the Course:** |

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| * Describe some of the key factors and manpower issues in the airline industry;
* Discuss the application of developing technology to aspects of the aviation sector;
* Discuss the some ethical issues surrounding the industry;
* Explain the different roles and responsibilities of staff in the airline industry.
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| **Course Description** |
| The aim of this course is to help students develop an applicable understanding of current contemporary issues in aviation, and their importance in aviation sector. The course provides students to examine of contemporary issues in the worldwide aviation industry such as administration, training programs, computerisation and equipment development. |
| **Course Contents** |
| Week |  | Exam**s** |
| 1 | Introduction to Contemporary Aviation Issues |  |
| 2 | Understanding the term Contemporary Issues in Aviation Describethe scope and Defining aviation world critical issues in aviation and environment |  |
| 3 | Critical Issues in Aviation |  |
| 4 | Ethical considerations in the aviation industry. |  |
| 5 | Roles, goals and challenges in the airline industry. | Quiz #1 |
| 6 | Contemporary issues in Aviation technology and Solution: GreenAviation and Green Transportation |  |
| 7 | New applications of old technology, Exercises, Tutorials and Revision Class |  |
| 8 | Midterm Exam | Midterm |
| 9 | Case Studies group works |  |
| 10 | Contemporary issues in Aviation Security and Safety |  |
| 11 | Contemporary issues in Human Resource Management |  |
| 12 | International developments to the aviation industry. | Quiz #2 |
| 13 | CRM issues |  |
| 14 | Revision, Exercises and Tutorial Class |  |
| 15 | Final Exam | Final |
| **Recommended Sources** |
| **Textbook:** Ashford, N. J. (1997). Airport operations. New York: Mcgraw-Hill.**Supplementary Material(s):**De Neufville, (2002). Airport sytems: planning, design and management. New York: Higher Education. |
| **Assessment** |
| Attendance | 5% |  |  |  |  |  |
| Assignments | 5% |  |  |  |  |  |
| Project-Seminar | 10% |  |  |  |  |  |
| Midterm Exam | 25% | Written |  |  |  |  |
| Quizzes | 5% |  |  |  |  |  |
| 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 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 |