



Module Specification

Management of Aircraft Maintenance [TSI]

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Contents

| | |
|--|----------|
| Module Specification | 1 |
| Part 1: Information | 2 |
| Part 2: Description | 2 |
| Part 3: Teaching and learning methods | 3 |
| Part 4: Assessment..... | 4 |
| Part 5: Contributes towards | 6 |

Part 1: Information

Module title: Management of Aircraft Maintenance [TSI]

Module code: UFME11-12-M

Level: Level 7

For implementation from: 2023-24

UWE credit rating: 12

ECTS credit rating: 6

Faculty: Faculty of Environment & Technology

Department: FET Dept of Engineering Design & Mathematics

Partner institutions: Transport and Telecommunication Institute

Field: Engineering, Design and Mathematics

Module type: Module

Pre-requisites: None

Excluded combinations: None

Co-requisites: None

Continuing professional development: No

Professional, statutory or regulatory body requirements: None

Part 2: Description

Overview: This module explores aircraft maintenance organisation approval and provides a regulatory and industry perspective for all those who participate in maintenance activities. The content of this module is based on the regulatory framework for maintenance and continuing airworthiness management.

Features: Not applicable

Educational aims: This module aims to provide students with detailed information on the structure of maintenance organisations and its responsibilities. Students will learn the corporate and individual responsibilities to ensure organisations meet regulatory requirements.

Outline syllabus:

1. Management of Aircraft Technical Maintenance
2. Continuing Airworthiness Management Organization (CAMO), Continuing Airworthiness Management Exposition (CAME)
3. Comparative analysis CAME to Maintenance Management Exposition (MME)
4. Instruction for Continuing Airworthiness (ICA) (AD, SB, STC, EO, ATL, AMP, etc.)
5. Part 2 (J0 & Part 21 (G) main duties and relationship with CAMO
6. Aircraft Maintenance record management and control; Aircraft technical documentation
7. Contracting and Subcontracting within CAMO and Part M
8. Planning of aircraft maintenance
9. Engineering Principles of CAMO

Part 3: Teaching and learning methods

Teaching and learning methods: Teaching will be provided through traditional lectures as well as student discussion panels.. Discussion panels will be used to analyse and review the data and information provided to the students during the lectures.

Module Learning outcomes: On successful completion of this module students will achieve the following learning outcomes.

MO1 Main structure of the Maintenance Management Organizations;

MO2 The guidance materials required to control the Continuing Airworthiness Organization (EASA Part CAMO, Part M, Part 21, ICAO SMM Doc 9858))

MO3 How to insure the actuality of technical documentation and records;

MO4 General data about technical maintenance classification, provision and steering of maintenance processes

MO5 Introduction to engineering and planning functions in the CAMO, Part M Organizations

MO6 General Knowledge on Maintenance Steering Group (MSG2 and MSG3)

Hours to be allocated: 120

Contact hours:

Independent study/self-guided study = 112 hours

Face-to-face learning = 48 hours

Total = 160

Reading list: The reading list for this module can be accessed at readinglists.uwe.ac.uk via the following link

<https://rl.talis.com/3/uwe/lists/5BCCDFC5-F13E-78B6-7EBA-D7F29D1FCF63.html?lang=en-GB&login=1>

Part 4: Assessment

Assessment strategy: Written examination;

In-Class Test: In-class, individual MCQ test targeted on testing theoretical knowledge;

Individual Presentation: The topic will be provided by teaching staff.

Assessment tasks:

Examination (First Sit)

Description: Exam (2 hours)

Weighting: 50 %

Final assessment: Yes

Group work: No

Learning outcomes tested: MO1, MO2, MO6

In-class test (First Sit)

Description: Individual MCQ test

Weighting: 15 %

Final assessment: No

Group work: No

Learning outcomes tested: MO3, MO4, MO5

Presentation (First Sit)

Description: Individual Presentation

Weighting: 35 %

Final assessment: No

Group work: No

Learning outcomes tested: MO1, MO2, MO6

Examination (Resit)

Description: Exam (2 hours)

Weighting: 50 %

Final assessment: No

Group work: No

Learning outcomes tested:

In-class test (Resit)

Description: Individual MCQ test

Weighting: 15 %

Final assessment: No

Group work: No

Learning outcomes tested:

Presentation (Resit)

Description: Individual presentation

Weighting: 35 %

Final assessment: No

Group work: No

Learning outcomes tested:

Part 5: Contributes towards

This module contributes towards the following programmes of study:

Aviation Management and Sustainability {Double Degree} [TSI] MSc 2023-24

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