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Module Code:1AAD0016

Title of Module

Full Title: Aerospace Technology & Industry

Short Title: Aero Tech & Industry

MODULE

1AAD0016 (A 05/6)

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Version: 1

Credit Points: 15

Level / ECTS Level: 1

First Offered: 1/9/2004 00-00-00

6. Home Department:

AAD

7. Departments(s) contributing to teaching:

9. Module Aims:

- * gain a basic understanding of the design & performance of an aircraft and its components.
- * acquire a basic understanding of civil & military aircraft operations.
- * gain an understanding of the Aerospace Industry

10a. Learning Outcomes: Knowledge and Understanding:

- * be able to understand the basic design of an aircraft to achieve its functional and performance aims.
- * have an appreciation of the history and current structure of the Aerospace Industry.
- * have an understanding of Aircraft civil and military operations

10b. Learning Outcomes: Skills and Attributes:

- * investigate, collate and present technical information on aspects of aircraft design.

11. Module Content

11a Module Content:

This module introduces students to the basic design of an aircraft to achieve its functional and performance aims, civil and military aircraft operations. This module includes elements required for PPL Ground School Training.

11b. Further details on how the learning outcomes of the module will be achieved:

The basic design of an aircraft to achieve its functional and performance aims. This includes the design of the

airframe, flight control systems, cockpit, undercarriage and hydraulic, fuel, cabin air, electrical and weapons systems.

Civil and military aircraft operations covering missions, flight plans, air traffic control , airport operations and maintenance. Student group projects to investigate and present particular aspects of the aerospace industry.

12. Language of Delivery:

English

13. Language of Assessment:

English

14. Assessment Details (Academic):

Coursework: 100

Exam: 0

Other: Typically assessment will consist of-

2 Phase Tests - 20% each

Studyskills - 10%

Aerospace Industry Group Assignment - 50% (peer assessed)

Assessment Notes:

15. Locations(s):

UH HATFIELD

16. Pre and Co-Requisite:

Pre-Requisite

Co-Req

Prohibited

17. Subject Board of Examiner/s:

AERO/CIVIL/MECH L1 COMMON

18. Comments

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