

EAS425 Flight Line and Hangar Management

Level: 4

Credit Units: 5 Credit Units

Language: ENGLISH

Presentation Pattern: EVERY JAN

Synopsis:

The course will provide students with an understanding how flight line and hangar operations are managed both in the civilian and military aerospace sectors. Local case studies will be used in assessments and seminar discussions.

Topics:

- Development of maintenance programmes in the hangar and flight line
- Definitions, goals and objectives of aerospace maintenance
- Aerospace industry certification requirements
- Documentation for maintenance
- Requirements for a maintenance programme
- Maintenance and engineering organization
- Production planning and control
- Importance of technical publications and technical training
- Line and hangar maintenance concepts in civil and military aerospace operations
- Logistical support for maintenance shops
- Quality assurance and control in the flight line and hangar
- Reliability and maintenance safety

Textbooks:

Harry A. Kinnison, Tariq Siddiqui: Aviation Maintenance Management (eTextbook) 2nd Edition
McGraw-Hill
ISBN-13: 9781307341751

Learning Outcome:

- Appraise general aviation maintenance practices and management
- Analyse fundamental legislative framework governing hangar design.
- Evaluate factors in the principles of hangar facilities design and flight line management.
- Design and improve hangar facilities.
- Construct flight line management system.
- Analyse case studies and apply aviation maintenance concepts and practices on actual scenarios.

Assessment Strategies (Evening Class):

Components	Description	Weightage Allocation (%)
Overall Continuous Assessment	QUIZ 1	12
	TUTOR-MARKED ASSIGNMENT 1	18
Overall Examinable Components	Written Exam	70
Total		100