

t.MRO - Maintenance, Repair & Overhaul

Person responsible for the course: Patrick Scherrer, td15

Credits: 4

Valid for: 2010/2011

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Learning objectives:

The students shall:

- be able to understand the set up of an maintenance & repair organisation
 - know the regulations set up by EASA (PART M, PART 21, PART 145) and the differences to the US system (FAA, FAR)
 - know the specific tasks of a maintenance quality system
 - get to know and comment on an actual maintenance organisation
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Course content:

Maintenance Organisation

EASA PART 145 References

Maintenance Procedures:

- Supplier Evaluation and Subcontract Control Procedure
- Calibration of tools and equipment
- Airworthiness Directives Procedures
- Maintenance Documentation in use and its completion
- Release to service procedure

Quality System Procedures

- Quality Audit of aircraft
- Certifying staff and supporting staff

Design Organisation

EASA PART 21

- Design, modification design and repair design
- Continuing Airworthiness
- Design Assurance system (DAS)

Analysis of a Maintenance organisation

Previous knowledge:

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Teaching method:

Type of lesson:	Number of lessons per week:
Lecture	14*(2L+2L)
Tutorial/Practicum	
Group teaching	
Block instruction	
Seminar	

Assessment:

According to the table or as specified in writing by the lecture at the beginning of the semester!

Number	Type	Weighting
1	End of term exam	100%
	Exam during the semester	
	Further assessments	

Language of instruction:

Deutsch

Instruction material:

script and handouts

Comments:

Lecturer: Patrick Scherrer, Swiss iNt. Engineering