

## t.MRO - Maintenance, Repair & Overhaul

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**Person responsible for the course:** Patrick Scherrer, td15

**Credits:** 4

**Valid for:** 2009/2010

**Last saved:** 06.07.2010 12:00

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### Learning objectives:

The students

- are 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

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### 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	
1	Exam during the semester	
1	Further assessments	

**Language of instruction:**

English

**Instruction material:**

script

**Comments:**

Lecturer: Patrick Scherrer, SR Technics