

t.KSYE - Communication Systems - Operation

Person responsible for the course: Hanspeter Säuberli, td09

Credits: 4

Valid for: 2009/2010

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Learning objectives:

The students

- develop an understanding of the basic principles and get an overview,
- know about Data-Link Communication (DLK), Onboard Information System (OIS) and Flight Data Monitoring (FDM)
- understand the interrelation of concepts and strategies with regulatory requirements, international organisations and competition related aspects.

Course content:

- functionalities, technologies and media,
- architectures and systems,
- aircraft- and ground infrastructures and interfaces,
- applications,
- system networks and service providers,
- requirements to reach regulatory compliance.

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	
	Exam during the semester	
	Further assessments	

Language of instruction:

German

Instruction material:

Airbus Industrie, Getting to Grips with Datalink

Seamless Sky, H.V. Sudarshan, Ashgate publishing Ltd., Dez. 03

Joint Aviation Authority, Temporary Guidance Leaflet, TGL-36; Approval of electronic flight Bag

Airbus Industrie, Getting to Grips with flight Operations Monitoring

UK Civil Aviation Authority Publication, CAP 739 FDM - A Guide to Good Practice

Comments:

Guest speakers (English)