t.ATM1 - Air Traffic Management 1

Person responsible for the course:	Urs Ryf, xryf
Responsible OU:	
ECTS:	3
Valid for:	2012/2013
Last saved:	29.05.2013 13:03

Expertise:

-

Methodological skills:

-

Social skills:

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Personal skills:

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Learning objectives:

The students:

- know and use the various publications of AIM

- know the principal processes of AIM with the pertinent regulation

- know the basic processes of ATM

- understand the strengths and weaknesses of todays ATM procedures and systems

- know the basics and processes of Air Traffic Flow and Capacity Management and of Airspace Management

- understand the complexity and interdependencies of ATM in the context of the overall aviation system

Course content:

ICAO Annex 15: Aeronautical Information Service

ICAO Annex 11: Air Traffic Services

Flightplans, AIP, NOTAM, Geographical Information Systems (GIS)

Skyguide and Swiss Air Force (Flexible Use of Airspace)

ATS (Delivery, Ground, Apron Management, Aerodrome Control, Departure & Approach, Area Control)

Aeronautical Fixed Telecommunication Service (AFTN)

CFMU and Slot Allocation (CTOT)

Previous knowledge:

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Teaching method:

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

Assessment:

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

description	type	form	scope	assessment	weighting
Performance records during school hours					
Semester end exam					

Language of instruction:

English

Instruction material:

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Additional literature:

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Comments:

Lecturer: Urs Ryf