

## t.GOP - Ground Operations / Airport Processes

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**Person responsible for the course:** Andrea Norbert Muggli, muga

**Credits:** 4

**Valid for:** 2009/2010

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### Learning objectives:

This course is closely linked to the course Airport Systems (FHSY) in the Technics & Engineering specialisation.

The course essentially deals with the planning aspects of airports and highlights the operational issues that need to be considered.

The students:

- are able to understand project orders in the field of airport operations in an overall context and thus to provide sustainable solutions,
- understand the importance of aviation as a public transport system for the national economy and the importance of civil airports for regional development,
- have an overview of the situation of airports in Europe, know the growth dynamics of airports and identify airports as structural bottlenecks,
- understand the models Hub&Spoke and O&D traffic,
- understand airports as complex industrial systems and recognise the interrelation with their environment,
- know the various forms of airport management and the distribution of duties and responsibilities at airports,
- understand the distinction between major and regional airports.

In terms of operations, the students:

- know the essential processes - they understand about awarding concessions and access rights,
  - know the challenges of flight safety,
  - know the challenges of security (Schengen, customs)
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### Course content:

Introduction airport:

- general model
- operational model (MIL / CIV)
- overview of a process model
- handling processes (airside / landside)
- ATS
- airport authority
- production planning and steering

Airport operations:

- logistics processes
  - support processes
  - production planning and steering (routine operations, operational disruption)
  - airport slot management
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- safety & risk management (LRST)
- security management (Schengen, risk level)
- excursion to the airport - practical work: e.g. finding solutions for deviations from Annex 14 at various airfields.

**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:**

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**Instruction material:**

Script

ICAO Annex 9 (Facilitation), 14 (Aerodromes) und 17 (Security)

**Comments:**

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