

Factsheet: Lectures at the Institute of Logistics and Aviation (IFL), TU Dresden

Lecture	semester	Winter	Summer	Module								Language of instruction	Course materials	CP ¹⁾	
Luftverkehrsanlagen, -betrieb und Flugsicherung Teil I		x						x				x	ger	ger	2
Aerodynamik und Flugeigenschaften	1st	x					x						ger	ger	6
Flugleistungen	1st	x					x						engl	engl	3
Cockpittechnologien	1st	x				x							ger	engl	3
Communication - Surveillance	3rd	x						x					engl	engl	3
Navigation	3rd	x						x					ger	engl	3
Verfahrensplanung und Verkehrsflusssteuerung	3rd	x						x					ger	ger	2
Luftverkehrsanlagen, -betrieb und Flugsicherung Teil II			x									x	ger	ger	2
Betriebsverhalten von Flugzeugtriebwerken	2nd	x				x							engl	engl	3
Luftverkehrsrecht und Luftverkehrspolitik	2nd	x						x					ger	ger	2
Flugplatzbetrieb	2nd	x						x					ger	ger	2
Flugsicherung	2nd	x						x					ger	engl	3
Airline Management	2nd	x							x				engl	engl	
Minor Project ²⁾												x	both possible	both possible	5
Flugmeteorologie und Flugplanung	2nd	x				x							ger	ger	3
Safety	2nd	x							x				ger	engl	
Security	2nd	x										x	ger	ger	
Terminalprozesse	2nd	x										x	ger	ger	
Logistik	1st	x		x									ger	ger	6
Verkehrslogistik	2nd	x										x	ger	ger	3
Luftfahrzeugauslegung	1st	x				x							ger	ger	2
Luftfahrzeuginstandhaltung	1st	x				x							ger	ger	2
Umschlag- und Lagersysteme	3rd	x											ger	ger	5
Hubschrauber Technologien (Dynamik)	3rd	x											x	ger	ger
Grundlagen der Hubschrauber Technologien (Basics)	2nd		x										x	ger	ger
Luftfahrtantriebe	2nd		x												5

Credits for Module

12	7	6	9	7	8	5	5	5	7	5
WW-VI 602: Logistik	WW-VI 643: Luftfahrzeugtechnik (aircraft design)	WW-VI 642: Flugplanung und Flugbetrieb (flight planning and operations)	WW-VI 642: Betrieblich-logistische Luftfahrzeugeigenschaften (flight operations)	Strukturen des Luftverkehrs (air traffic and air field operations)	WW-VI 645: CNS und taktisches ATM (CNS and tactical ATM)	WW-VI 690: Safety und Airline Management	WW-VI 691: Terminal Operations	Minor Project	WW-VI 110: Logistik und Luftverkehr	WW-VI 110693: Hubschrauber-Technologie

Minor project

- Title (EXAMPLE): RPAS OPERATIONAL CONCEPT
- Project topic:

The aim of the project is to identify and evaluate the potential for development of Remotely Piloted Aircraft Systems (RPAS) in the area of commercial air transportation for the coming years through comprehensive discussions and considerations of different interest groups. The minor project mainly focuses on the operational conditions under which a safe and economic operation of RPAS can be guaranteed. This includes, among others, the development of requirements for the technical equipment of unmanned aerial vehicles, for operational procedures as well as for the operational infrastructure that is able to support these operations effectively.

- Remark: The project can be easily adapted to the number of Minor students (1-20 participants); The project is only offered with aviation background

¹⁾ Credits for courses, if not absolved as a module. Some courses cannot be taken individually, these remain blank.

²⁾ The number of credit points and the character of the IFL Minor project is derived from the „Research Seminar“ (8th semester), which is mandatory for Transportation Engineering students at the Faculty of Transportation and Traffic Sciences. The overview is not legally binding. Errors are reserved.

CHAIR OF AIR TRANSPORT TECHNOLOGY AND LOGISTICS

These lectures are not in our responsibility. Please direct requests to the responsible chair.