Study plan

Name of study plan: Master Part-Time PL from 2023/24

Faculty/Institute/Others:

Department:

Branch of study guaranteed by the department: Welcome page

Garantor of the study branch:

Program of study: Air Traffic Control and Management

Type of study: Follow-up master combined

Required credits: 120 Elective courses credits: 0 Sum of credits in the plan: 120

Note on the plan:

Name of the block: Compulsory courses Minimal number of credits of the block: 104

The role of the block: Z

Code of the group: 1S-NK-PL-22/23

Name of the group: 1st Sem. Master Part-Time PL from 2022/23

Requirement credits in the group: In this group you have to gain 28 credits

Requirement courses in the group: In this group you have to complete 7 courses

Credits in the group: 28 Note on the group:

Environmental aspects of airport operations.

Code	Name of the course / Name of the group of courses (in case of groups of courses the list of codes of their members) Tutors, authors and guarantors (gar.)	Completion	Credits	Scope	Semester	Role
11APAS	Applied Statistics Evženie Uglickich, Pavla Pecherková Pavla Pecherková	Z,ZK	4	2P+2C+12B	Z	Z
11MMJ	Mathematical Models and their Applications Evženie Uglickich, Pavla Pecherková, Ivan Nagy, Michal Matowicki, Natálie Blahitka Pavla Pecherková Evženie Uglickich (Gar.)	Z,ZK	4	2P+2C+12B	Z	Z
21BILD	Safety Engineering in Aviation Natalia Guskova, Kate ina Grötschelová, Andrej Lališ Andrej Lališ	Z,ZK	4	2P+2C+12B	Z	Z
21CNSS	CNS Systems Stanislav Pleninger, Jakub Steiner Stanislav Pleninger	Z,ZK	5	3P+2C+16B	Z	Z
21LETS	Airport Jakub Kraus, Petr Líka , Sébastien Lán, Petr Had, Ji í Volt, Slobodan Stoji Slobodan Stoji	Z,ZK	4	1P+2C+12B	Z	Z
21PEKL	Principles and Models in Air Transport Economics Peter Vittek Peter Vittek	Z,ZK	5	4P+2C+16B	Z	Z
15J2A1	Language - English 1 Jitka He manová, Dana Boušová, Lenka Monková, Peter Morpuss, Markéta Vojanová, Marie Michlová, Markéta Musilová, Jan Feit, Eva Rezlerová	Z	2	0P+2C+10B	Z	Z

Characteristics of	the courses of this group of Study Plan: Code=15-NK-PL-22/23 Name=1st Sem. Master Pa	irt-Time PL fr	om 2022/23
11APAS	Applied Statistics	Z,ZK	4
Descriptive statistics, da	ta preprocessing, discretize continuous data. Hypothesis testing - continuous and discrete variables. Regression and correlati	on analysis. Multiv	ariable methods
- multiple regression an	alysis, logistic regression analysis, ROC curve, MANOVA, PCA, Factor analysis. Power analysis, preparation, processing and	d evaluation of hte	experiment.
11MMJ	Mathematical Models and their Applications	Z,ZK	4
System. Regression, dis	screte and logistic models. Bayesian estimation of model parameters. Parameter estimation of normal regression, discrete ar	nd logistic models.	. Classification
with logistic model. One	-step and multi-step prediction with regression and discrete models. State model. State estimation. Kalman filter. Control with	n regression and o	discrete models.
21BILD	Safety Engineering in Aviation	Z,ZK	4
The course is focused of	n understanding the issue of safety, learning how to assess new systems in terms of safety and acquiring principles of safety	management. St	udents will learn
explaining accidents an	d incident causes and bridge their theoretical knowledge with practical problems of air transport.		
21CNSS	CNS Systems	Z,ZK	5
Course provides full tec	hnical informations about CNS (communication, navigation, surveilance) systems used in aviation. Systems are presented in p	perspective of futu	ire development.
21LETS	Airport	Z,ZK	4
Methods of designing n	ew airports and developing existing ones. Connection of the airport to the surrounding infrastructure. Airport economics. Deta	ailed look at the d	evelopment of
movement areas. Certif	ication of airside movement areas and procedures according to EASA CS-ADR-DSN. Development planning - design, prepa	ration and regulat	ory basis.

21PEKL	Principles and Models in Air Transport Economics	Z,ZK	5					
The course contains the	The course contains the most important and typical models on which the economics of air transport is based. It covers the principles of regulation, airline infrastructure models, marke							
structure, analyses air	structure, analyses airline costs, and looks in detail at the low-cost and charter airline model. It also focuses on airline alliances, air cargo, airline strategies and the economic principles							
of safety and security.								
15J2A1	Language - English 1	Z	2					
Presentation Skills - ex	pert technical discourse and style; Analysis of expert texts and their production; Preparation for overseas work engagement.							

Code of the group: 2S-NK-PL-22/23

Name of the group: 2nd Sem. Master Part-Time PL from 2022/23

Requirement credits in the group: In this group you have to gain 26 credits

Requirement courses in the group: In this group you have to complete 6 courses

Credits in the group: 26 Note on the group:

Code	Name of the course / Name of the group of courses (in case of groups of courses the list of codes of their members) Tutors, authors and guarantors (gar.)	Completion	Credits	Scope	Semester	Role
21AFM	Air Traffic Management Jakub Kraus, Terézia Pilmannová, Martina Hlavatá Jakub Kraus Jakub Kraus (Gar.)	Z,ZK	5	3P+2C+16B	L	Z
21MULD	Managerial Challenges in Air Transport Peter Vittek Peter Vittek (Gar.)	Z,ZK	5	3P+2C+14B	L	Z
21PLET	Airport Operations Sébastien Lán, Petr Had, Ji í Volt Slobodan Stoji Slobodan Stoji (Gar.)	Z,ZK	5	2P+2C+12B	L	Z
21SPOL	Aircraft Technology Reliability Natalia Guskova, Kate ina Grötschelová, Old ich Štumbauer, Kiyofolo Benjamin Ouattara Andrej Lališ (Gar.)	Z,ZK	4	2P+1C+12B	L	Z
21PAM1	Programming and Modelling 1 Vladimír Socha, Lenka Hanáková Vladimír Socha Vladimír Socha (Gar.)	KZ	5	2P+4C+16B	L	Z
15JBA2	Language - English 2 Jitka He manová, Dana Boušová, Lenka Monková, Peter Morpuss, Markéta Vojanová, Marie Michlová, Markéta Musilová, Jan Feit, Eva Rezlerová,	Z	2	0P+2C+10B	L	Z

Characteristics of the courses of this group of Study Plan: Code=2S-NK-PL-22/23 Name=2nd Sem. Master Part-Time PL from 2022/23

21AFM	Air Traffic Management	Z,ZK	5
Current ATM system a	d its functional blocks. View of ATM data (technical architecture and configuration, transmission systems and networks). Data	a exchange with n	eighboring ATM
systems. Monitoring sy	stems and technical supervision. ATM simulation. ATM conceptions and strategies for next years. EUROCONTROL - CFMU. FA	B. ATS's - AOC's o	ata applications.
21MULD	Managerial Challenges in Air Transport	Z,ZK	5
The course contains a	list of basic managerial tasks in aviation. The basic managerial tasks are quality assurance and operational safety, marketing	operations, mark	eting context
implementation, airline	network management, fleet management and revenue management. The core disciplines also include project management,	cost managemen	t and project
resource planning and	management.		
21PLET	Airport Operations	Z,ZK	5
Planning, design and n	odelling of airport processes in airside, landside and terminal buildings. Impact of infrastructure and equipment on airport cap	acity. Available to	ols and practices
for increasing capacity.	Operational analytics, capacity and traffic load forecasting. Purpose and development of an airport masterplan.		
21SPOL	Aircraft Technology Reliability	Z,ZK	4
Subject deals with tuition	n of separate attributes of reliability (no failure, vitality, maintainability, and so on) and main criterions of safety of production and	working of aerosp	ace engineering.
General legalities are i	n the framework of tuition demonstrated on the example of calculation of reliability of integral characteristics of materials and	they are practical	illustration of its
security in The Czech I	Police Aviation Department.		
21PAM1	Programming and Modelling 1	KZ	5
Harmonic signals, their	generation. Real signals, sampling theorem, aliasing. Signal filtering. Fourier transform (FT), discrete Fourier transform (DFT), fast Fourier trar	ısform (FFT).
Spectrum estimation, s	pectral power density. Image - basic processing methods, 2D Fourier transform, noise filtering, edge detection, linear and no	n-linear methods,	brightness
transforms, geometric	rransforms, image compression.		
15JBA2	Language - English 2	Z	2
Presentation Skills - ex	pert technical discourse and style; Analysis of expert texts and their production; Preparation for overseas work engagement.		

Code of the group: 3S-NK-PL-23/24

Name of the group: 3rd Sem. Bachelor Part-Time PL from 2023/24

Requirement credits in the group: In this group you have to gain 26 credits

Requirement courses in the group: In this group you have to complete 7 courses

Credits in the group: 26

Note on the group:

11010	, on the group	7.					
Code		Name of the course / Name of the group of courses (in case of groups of courses the list of codes of their members) Tutors, authors and guarantors (gar.)	Completion	Credits	Scope	Semester	Role
11MN		Mathematical methods for data analysis Evženie Uglickich, Pavla Pecherková Pavla Pecherková Evženie Uglickich (Gar.)	Z,ZK	4	2P+2C+12B	Z	Z

21NSR	Navigation and Flight Control Systems Milan Kameník, Ladislav Capoušek, Jakub Hospodka, Jakub Trýb Jakub Hospodka	Z,ZK	5	3P+2C+14B	Z	Z
21PLDC	Air Carrier Operations Miloš Strouhal Miloš Strouhal	Z,ZK	5	3P+2C+16B	Z	Z
21PAM2	Programming and Modelling 2 Vladimír Socha, Lenka Hanáková Vladimír Socha	KZ	5	2P+4C+16B	Z	Z
21LIA1	Aviation Engineering English 1 Jitka He manová, Dana Boušová Jitka He manová	Z	3	0P+2C+8B	Z	Z
21XNL1	Thesis seminar 1 Vladimír Socha, Lenka Hanáková Vladimír Socha	Z	2	0P+1C+4B	Z	Z
15JBA3	Language - English 3 Jitka He manová, Dana Boušová, Lenka Monková, Peter Morpuss, Markéta Vojanová, Marie Michlová, Markéta Musilová, Jan Feit, Eva Rezlerová,	Z	2	0P+2C+10B	Z	Z

	Vojanová, Marie Michlová, Markéta Musilová, Jan Feit, Eva Rezlerová,		
Characteristics of	f the courses of this group of Study Plan: Code=3S-NK-PL-23/24 Name=3rd Sem. Bachelor P	Part-Time PL fr	om 2023/24
11MMOA	Mathematical methods for data analysis	Z,ZK	4
Stocastic modelling, e	stimation, prediction, filtration, control, methods of data analysis - k-means, DBSCAN, naive Bayes, decision trees, support ve	ctor machine.	
21NSR	Navigation and Flight Control Systems	Z,ZK	5
Navigation. Radionav	gation. Satellite navigation. Flight management system. Autopilot. FMC. Practical execution of flight.	'	
21PLDC	Air Carrier Operations	Z,ZK	5
Mission and importan	e of air transport. Legislation. Airlines - structure, strategy. Performances in air transport. Cost structure. Fuel management. C	argo. Aircraft maint	enance
(organization) and ec	promics of aircraft operation. Ground handling and other services. Safety / Security / Quality and Compliance monitoring. Reve	enue management.	Air transport
and environment.			
21PAM2	Programming and Modelling 2	KZ	5
Descriptive statistics,	classical statistical analysis. Statistical hypothesis testing. Analysis of variance (ANOVA), and factor two factor ANOVA. Non a		J
rograngian Correlatio	classical statistical analysis. Statistical hypothesis testing. Analysis of variance (ANOVA), one-factor, two-factor ANOVA. Non-pa	arametric methods	•
regression. Correlatio	n, correlation coefficient. Non-linear regression models, procedure for regression analysis of a non-linear model. Basics of mac		. Linear
•			. Linear
•	n, correlation coefficient. Non-linear regression models, procedure for regression analysis of a non-linear model. Basics of mac		. Linear
nearest neighbour me	n, correlation coefficient. Non-linear regression models, procedure for regression analysis of a non-linear model. Basics of mac thod. SVM classifiers. Decision trees.	chine learning. Clas	Linear sification by
nearest neighbour me 21LIA1 Lectures include vario	n, correlation coefficient. Non-linear regression models, procedure for regression analysis of a non-linear model. Basics of machine. SVM classifiers. Decision trees. Aviation Engineering English 1	chine learning. Clas Z es and SARPs, AM	Linear sification by
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nearest neighbour me 21LIA1 Lectures include vario Civil Aviation Authorit 21XNL1	n, correlation coefficient. Non-linear regression models, procedure for regression analysis of a non-linear model. Basics of machined. SVM classifiers. Decision trees. Aviation Engineering English 1 us types of the language exercises and are focused on the following topics - EUR-Lex and European Legislation, ICAO Annexes, Accident investigation, Aircraft Airworthiness, Aircraft documentations and manuals, Medical certification, Emergency responses.	chine learning. Class Z es and SARPs, AW onse plan. Z	Linear sification by 3 ICs and GMs,

outline. Rhetorical exercises / presentation skills.

15JBA3 Language - English 3

Z 2

Presentation Skills - expert technical discourse and style; Analysis of expert texts and their production; Preparation for overseas work engagement. Optional courses for certificates

FCE, CAE.

Code of the group: 4S-NK-PL-23/24

Name of the group: 4th Sem. Bachelor Part-Time PL from 2023/24

Requirement credits in the group: In this group you have to gain 24 credits

Requirement courses in the group: In this group you have to complete 9 courses

Credits in the group: 24

Note on the group:

Code	Name of the course / Name of the group of courses (in case of groups of courses the list of codes of their members) Tutors, authors and guarantors (gar.)	Completion	Credits	Scope	Semester	Role
21ELEG	European Aviation Legislation Radoslav Zozu ák Peter Vittek (Gar.)	ZK	3	2P+0C+8B	L	Z
21KST	Space Technology Jakub Hospodka, Jakub Trýb Jakub Hospodka Jakub Hospodka (Gar.)	ZK	3	2P+0C+10B	L	Z
21LPZP	Air Traffic and the Environment Peter Vittek Lud k Be o (Gar.)	ZK	3	3P+0C+8B	L	Z
21SYMS	System Thinking Jakub Kraus Jakub Kraus (Gar.)	ZK	3	2P+0C+8B	L	Z
14PROM	Process Modeling Marek Kalika Marek Kalika (Gar.)	KZ	2	2P+0C+8B	L	Z
21LIA2	Aviation Engineering English 2 Jitka He manová, Dana Boušová	KZ	3	0P+2C+8B	L	Z
21NTLE	New Trends in Aviation Technologies Peter Vittek Peter Vittek (Gar.)	KZ	3	3P+0C+8B	L	Z
21XNL2	Thesis Seminar 2 Vladimír Socha, Lenka Hanáková, Marta Urbanová Vladimír Socha Vladimír Socha (Gar.)	Z	2	0P+2C+6B	L	Z
15JBA4	Language - English 4 Jitka He manová, Dana Boušová, Lenka Monková, Peter Morpuss, Markéta Vojanová, Marie Michlová, Markéta Musilová, Jan Feit, Eva Rezlerová,	ZK	2	0P+2C+10B	L	Z

Characteristics of the courses of this group of Study Plan: Code=4S-NK-PL-23/24 Name=4th Sem. Bachelor Part-Time PL from 2023/24

21ELEG	European Aviation Legislation	ZK	3
The content of the	subject "European Aviation Legislation" is the legal regulation of air operation, the system and structure of the national and Eur	opean legal system,	the legal effect
of EU legal acts in t	the Czech national environment and their impact on national regulation with a focus on requirements and criteria of individual r	egulations on aviation	on transport and
transportation.			
21KST	Space Technology	ZK	3
Universe and its ba	asic characteristics. Fundamentals of astrophysics. Kepler's laws. Solar system. Earth's and its atmosphere and outer space. Sp	pace transport vehic	les. Rockets an
rocket engines and	their structure and operational characteristics. Space crafts and satellites, space flight. Orbital mechanics. Application of space	e technologies for glo	obal navigation
and communication	n. Space exploration and piloted space flights and missions.		
21LPZP	Air Traffic and the Environment	ZK	3
Гhe course is abou	it ecology, sustainable development, ecological stability, environmental protection and environmental legislation. It also focuses	on air traffic with re-	spect to the
environment, curre	nt issues, threats and solutions.		
21SYMS	System Thinking	ZK	3
	re, algorithmization, complexity, emergence, mind setting, critical thinking, teamwork, feedback and communication, goal setting	n uncertainties and	arguments.
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decision making un		KZ	2
decision making un	nder uncertainty.	KZ	2
decision making un 14PROM Definition of the pro	Process Modeling	KZ d standards, SIPOC	2 . Process mode
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Name of the block: Semestrální projekt Minimal number of credits of the block: 8

The role of the block: ZP

FCE, CAE.

Code of the group: X2-NX-PL-22/23

Name of the group: Research Groups Master PL from 2022/23

Requirement credits in the group: In this group you have to gain 8 credits

Requirement courses in the group: In this group you have to complete 4 courses

Credits in the group: 8 Note on the group:

Note on the g	roup.					
Code	Name of the course / Name of the group of courses (in case of groups of courses the list of codes of their members) Tutors, authors and guarantors (gar.)	Completion	Credits	Scope	Semester	Role
11XN1	Master Project 1 Ivan Nagy	Z	2	0P+2C+4E	Z	ZP
12XN1	Master Project 1 Daniel Chlebek, Jakub Zají ek, Zuzana arská, Dagmar Ko árková, Kristýna Neubergová, Martin Jacura, Jan Kruntorád, Ond ej Trešl, David Vodák,	Z	2	0P+2C+4E	Z	ZP
14XN1	Master Project 1	Z	2	0P+2C+4E	Z	ZP
15XN1	Master Project 1	Z	2	0P+2C+4E	Z	ZP
16XN1	Master Project 1 Josef Mík, Pemysl Toman	Z	2	0P+2C+4E	Z	ZP
17XN1	Master Project 1 Václav Baroch, Michal Drábek, Alexandra Dvo á ková, Veronika Faifrová, Eliška Glaserová, Rudolf Franz Heidu, Tomáš Horák, Vít Janoš, Milan K íž,	Z	2	0P+2C+4E	Z	ZP
18XN1	Master Project 1 Daniel Kytý, Václav Rada, Nela Kr má ová	Z	2	0P+2C+4E	Z	ZP
20XN1	Master Project 1 Milan Sliacky, Ji í R ži ka	Z	2	0P+2C+4E	Z	ZP
21XN1	Master Project 1 Natalia Guskova, Andrej Lališ, Stanislav Pleninger, Jakub Steiner, Jakub Kraus, Slobodan Stoji, Peter Vittek, Terézia Pilmannová, Vladimír Socha,	Z	2	0P+2C+4E	Z	ZP
22XN1	Master Project 1 Michal Frydrýn, Karel Kocián, Luboš Nouzovský, Zden k Svatý, Jakub Nová ek	Z	2	0P+2C+4E	Z	ZP
23XN1	Master Project 1	Z	2	0P+2C+4E	8 Z	ZP

11XN2	Master Project 2 Ivan Nagy	Z	2	0P+2C+8B	L	ZP
12XN2	Master Project 2 Daniel Chlebek, Jakub Zají ek, Zuzana arská, Dagmar Ko árková, Kristýna Neubergová, Martin Jacura, Jan Kruntorád, Ond ej Trešl, David Vodák,	Z	2	0P+2C+8B	L	ZP
14XN2	Master Project 2 Vit Fábera, Tomáš Brandejský, Mária Jánešová, Jan Zelenka	Z	2	0P+2C+8B	L	ZP
15XN2	Master Project 2	Z	2	0P+2C+8B	L	ZP
16XN2	Master Project 2 Josef Mik, Pemysl Toman	Z	2	0P+2C+8B	L	ZP
17XN2	Master Project 2 Václav Baroch, Michal Drábek, Alexandra Dvo á ková, Veronika Faifrová, Rudolf Franz Heidu, Tomáš Horák, Vít Janoš, Milan K íž, Olga Mertlová, Vít Janoš (Gar.)	Z	2	0P+2C+8B	L	ZP
18XN2	Master Project 2 Nela Kr má ová, Petr Koudelka Daniel Kytý	Z	2	0P+2C+8B	L	ZP
20XN2	Master Project 2 Ji í R ži ka, Patrik Horaž ovský	Z	2	0P+2C+8B	L	ZP
21XN2	Master Project 2 Natalia Guskova, Kate ina Grötschelová, Andrej Lališ, Jakub Steiner, Jakub Kraus, Slobodan Stoji , Peter Vittek, Terézia Pilmannová, Lenka Hanáková,	Z	2	0P+2C+8B	L	ZP
22XN2	Master Project 2 Michal Frydrýn, Karel Kocián, Luboš Nouzovský, Zden k Svatý, Jakub Nová ek	Z	2	0P+2C+8B	L	ZP
23XN2	Master Project 2	Z	2	0P+2C+8B	L	ZP
11XN3L	Master Project 3 Ivan Nagy, Michal Matowicki, Bohumil Ková, Jana Kuklová, Ond ej P ibyl, Jan P ikryl Jana Kuklová Bohumil Ková (Gar.)	Z	2	0P+2C+8B	Z	ZP
12XN3L	Master Project 3	Z	2	0P+2C+8B	Z	ZP
14XN3L	Master Project 3 Vit Fábera Vít Fábera (Gar.)	Z	2	0P+2C+8B	Z	ZP
15XN3L	Master Project 3	Z	2	0P+2C+8B	Z	ZP
16XN3L	Master Project 3	Z	2	0P+2C+8B	Z	ZP
17XN3L	Master Project 3	Z	2	0P+2C+8B	Z	ZP
18XN3L	Master Project 3 Nela Kr má ová	Z	2	0P+2C+8B	Z	ZP
20XN3L	Master Project 3	Z	2	0P+2C+8B	Z	ZP
21XN3L	Master Project 3 Natalia Guskova, Kate ina Grötschelová, Andrej Lališ, Stanislav Pleninger, Jakub Steiner, Jakub Kraus, Slobodan Stoji , Peter Vittek, Terézia Pilmannová,	Z	2	0P+2C+8B	Z	ZP
22XN3L	Master Project 3	Z	2	0P+2C+8B	Z	ZP
23XN3L	Master Project 3	Z	2	0P+2C+8B	Z	ZP
11XN4L	Master Project 4	Z	2	0P+5C+8B	L	ZP
12XN4L	Master Project 4	Z	2	0P+5C+8B	L	ZP
14XN4L	Master Project 4 Vít Fábera, Tomáš Brandejský, Mária Jánešová, Jan Zelenka	Z	2	0P+5C+8B	L	ZP
15XN4L	Master Project 4	Z	2	0P+5C+8B	L	ZP
16XN4L	Master Project 4	Z	2	0P+5C+8B	L	ZP
17XN4L	Master Project 4	Z	2	0P+5C+8B	L	ZP
18XN4L	Master Project 4 Nela Kr má ová	Z	2	0P+5C+8B	L	ZP
20XN4L	Master Project 4	Z	2	0P+5C+8B	L	ZP
21XN4L	Master Project 4 Natalia Guskova, Kate ina Grötschelová, Andrej Lališ, Stanislav Pleninger, Jakub Steiner, Jakub Kraus, Petr Had, Ji í Volt, Slobodan Stoji,	Z	2	0P+5C+8B	L	ZP
22XN4L	Master Project 4	Z	2	0P+5C+8B	L	ZP
23XN4L	Master Project 4	Z	2	0P+5C+8B	L	ZP

11XN1	Master Project 1	Z	2
12XN1	Master Project 1	Z	2
14XN1	Master Project 1	Z	2
15XN1	Master Project 1	Z	2
16XN1	Master Project 1	Z	2
17XN1	Master Project 1	Z	2
18XN1	Master Project 1	Z	2
20XN1	Master Project 1	Z	2
21XN1	Master Project 1	Z	2

22XN1	Master Project 1	Z	2
23XN1	Master Project 1	Z	2
11XN2	Master Project 2	Z	2
12XN2	Master Project 2	Z	2
14XN2	Master Project 2	Z	2
15XN2	Master Project 2	Z	2
16XN2	Master Project 2	Z	2
17XN2	Master Project 2	Z	2
18XN2	Master Project 2	Z	2
20XN2	Master Project 2	Z	2
21XN2	Master Project 2	Z	2
22XN2	Master Project 2	Z	2
23XN2	Master Project 2	Z	2
11XN3L	Master Project 3	Z	2
12XN3L	Master Project 3	Z	2
14XN3L	Master Project 3	Z	2
15XN3L	Master Project 3	Z	2
16XN3L	Master Project 3	Z	2
17XN3L	Master Project 3	Z	2
18XN3L	Master Project 3	Z	2
20XN3L	Master Project 3	Z	2
21XN3L	Master Project 3	Z	2
22XN3L	Master Project 3	Z	2
23XN3L	Master Project 3	Z	2
11XN4L	Master Project 4	Z	2
12XN4L	Master Project 4	Z	2
14XN4L	Master Project 4	Z	2
15XN4L	Master Project 4	Z	2
16XN4L	Master Project 4	Z	2
17XN4L	Master Project 4	Z	2
18XN4L	Master Project 4	Z	2
20XN4L	Master Project 4	Z	2
21XN4L	Master Project 4	Z	2
22XN4L	Master Project 4	Z	2
23XN4L	Master Project 4	Z	2

Name of the block: Compulsory elective courses

Minimal number of credits of the block: 8

The role of the block: PV

Code of the group: Y2-NK-PL-23/24

Name of the group: Comp. Sel. Courses Master Part-Time PL from 2023/24 Requirement credits in the group: In this group you have to gain 8 credits

Requirement courses in the group: In this group you have to complete 4 courses

Credits in the group: 8 Note on the group:

Code	Name of the course / Name of the group of courses (in case of groups of courses the list of codes of their members) Tutors, authors and guarantors (gar.)	Completion	Credits	Scope	Semester	Role
21Y2BS	Unmanned aircraft systems 2 Tomáš Tlu ho, Michal erný Tomáš Tlu ho	KZ	2	2P+0C+8B	Z	PV
21Y2CR	CRM Ladislav Capoušek	KZ	2	2P+0C+8B	L	PV
21Y2FM	Aviation Company Financial Management Radoslav Zozu ák Radoslav Zozu ák	KZ	2	2P+0C+8B	Z	PV
21Y2MQ	Quality Management Luboš Socha	KZ	2	2P+0C+8B	L	PV
21Y2MK	Marketing of Air Transport Peter Vittek Peter Vittek	KZ	2	2P+0C+8B	Z	PV
22Y2MN	Methods and Procedures of Aircraft Accident Investigation Michal Frydrýn, Karel Mündel Karel Mündel (Gar.)	KZ	2	2P+0C	L	PV
21Y2MC	CNS Systems Modelling Stanislav Pleninger Stanislav Pleninger	KZ	2	2P+0C+8B	Z	PV

21Y2PP	Law and Operation in Air Transport Radoslav Zozu ák	KZ	2	2P+0C+8B	L	PV
21Y2UL	Aircraft Maintenance Kate ina Stuchliková	KZ	2	2P+0C+8B	L	PV
14Y2UI	Artificial Intelligence	KZ	2	2P+0C+8B	Z,L	PV

Characteristics of the courses of this group of Study Plan: Code=Y2-NK-PL-23/24 Name=Comp. Sel. Courses Master Part-Time PL from 2023/24

21Y2BS	Unmanned aircraft systems 2	KZ	2
	inmanned aircraft development. Use of unmanned aircraft. Managerial activities related to the operation of unmanned aircraft. Flig		_
21Y2CR	CRM	KZ	2
_	M. Analysis of air accidents. Human factor. Error. Historical development of CRM. Health and fitness. Stress and its effect on the	e human body. Fatigi	ue Sleep &
	tion Processing. Situational Awareness. Workload Management. Decision Making. Communication. Leadership & Decision Making. Communication & Decision & Decis	, ,	
21Y2FM	Aviation Company Financial Management	KZ	2
Theories of corpor	ate finance - financial statements, budget, forecast. Financial policy of the company. Financial resources - long-term financial re	esources, depreciation	on, retained
earnings, shares, I	bonds, loans, leasing, capital. Financial and economic analysis of the company - structure and content.		
21Y2MQ	Quality Management	KZ	2
History, basic defir	nition. Pioneers in the field of quality. International quality organisations and quality promotion in the Czech Republic. Quality ma	anagement system. I	Environmental
management syste	ems. Integrated management systems. Risk management in the context of the requirements of ISO standards. Sectoral quality ma	anagement systems	. Comprehensive
quality manageme	ent, excellence models and corporate social responsibility. Quality audits.		
21Y2MK	Marketing of Air Transport	KZ	2
The content of the	course "Marketing in air transport" is the management of activities and processes using available marketing tools and processes	es for analysis, strate	eav developmen
	on of sales of goods and services in the aviation industry. In addition to the theoretical foundations of marketing, the lectures pre	•	
and implementatio		•	
and implementatio	on of sales of goods and services in the aviation industry. In addition to the theoretical foundations of marketing, the lectures pre	•	
and implementatio and product analys 22Y2MN	on of sales of goods and services in the aviation industry. In addition to the theoretical foundations of marketing, the lectures presis, creation of marketing strategies and planning.	esent systems of ma	rket, competition
and implementatio and product analys 22Y2MN Expanding knowle	on of sales of goods and services in the aviation industry. In addition to the theoretical foundations of marketing, the lectures presis, creation of marketing strategies and planning. Methods and Procedures of Aircraft Accident Investigation	ksent systems of ma	rket, competition
and implementatio and product analys 22Y2MN Expanding knowle	on of sales of goods and services in the aviation industry. In addition to the theoretical foundations of marketing, the lectures press, creation of marketing strategies and planning. Methods and Procedures of Aircraft Accident Investigation dge of practical procedures in aircraft accident investigation. Equipment and organisation of the investigation team. Examples or	ksent systems of ma	rket, competition
and implementatio and product analys 22Y2MN Expanding knowle the Czech Republi 21Y2MC	on of sales of goods and services in the aviation industry. In addition to the theoretical foundations of marketing, the lectures presis, creation of marketing strategies and planning. Methods and Procedures of Aircraft Accident Investigation does not consider the investigation team. Examples of cand abroad and analysis of published final reports. Examples of the preparation of the final report of an air accident investigation.	KZ of aircraft accident in tion.	2 vestigations in
and implementation and product analyst 22Y2MN Expanding knowle the Czech Republicative 21Y2MC The course is designed and produced the course is designed to the co	on of sales of goods and services in the aviation industry. In addition to the theoretical foundations of marketing, the lectures presis, creation of marketing strategies and planning. Methods and Procedures of Aircraft Accident Investigation does not consider the investigation does not procedure in aircraft accident investigation. Equipment and organisation of the investigation team. Examples of an abroad and analysis of published final reports. Examples of the preparation of the final report of an air accident investigation. CNS Systems Modelling	KZ of aircraft accident in tion.	2 vestigations in
and implementation and product analyst 22Y2MN Expanding knowle the Czech Republicative 21Y2MC The course is desitools. A large part	on of sales of goods and services in the aviation industry. In addition to the theoretical foundations of marketing, the lectures presis, creation of marketing strategies and planning. Methods and Procedures of Aircraft Accident Investigation dge of practical procedures in aircraft accident investigation. Equipment and organisation of the investigation team. Examples of a cand abroad and analysis of published final reports. Examples of the preparation of the final report of an air accident investigation. CNS Systems Modelling gned as a set of model tasks in the field of communication navigation and surveillance systems in aviation, addressed using mais devoted to air targets tracking, measurement-to-track association, track filtering and multisensor tracking.	KZ of aircraft accident in tion.	2 vestigations in
and implementation and product analyst 22Y2MN Expanding knowlethe Czech Republicative	on of sales of goods and services in the aviation industry. In addition to the theoretical foundations of marketing, the lectures presis, creation of marketing strategies and planning. Methods and Procedures of Aircraft Accident Investigation does of practical procedures in aircraft accident investigation. Equipment and organisation of the investigation team. Examples of an abroad and analysis of published final reports. Examples of the preparation of the final report of an air accident investigation. CNS Systems Modelling gned as a set of model tasks in the field of communication navigation and surveillance systems in aviation, addressed using materials.	KZ of aircraft accident in tion. KZ thematical approach	rket, competition 2 vestigations in 2 nes and software
and implementation and product analyst 22Y2MN Expanding knowle the Czech Republication and the Czech Republication	on of sales of goods and services in the aviation industry. In addition to the theoretical foundations of marketing, the lectures presis, creation of marketing strategies and planning. Methods and Procedures of Aircraft Accident Investigation dge of practical procedures in aircraft accident investigation. Equipment and organisation of the investigation team. Examples of the and abroad and analysis of published final reports. Examples of the preparation of the final report of an air accident investigation. CNS Systems Modelling gned as a set of model tasks in the field of communication navigation and surveillance systems in aviation, addressed using mais devoted to air targets tracking, measurement-to-track association, track filtering and multisensor tracking. Law and Operation in Air Transport	KZ of aircraft accident in tion. KZ thematical approach KZ organisations. EU leg	2 vestigations in 2 nes and software 2 pislation and civi
and implementation and product analyst 22Y2MN Expanding knowle the Czech Republication and the course is desitools. A large part 21Y2PP Development of avaivation. Execution	on of sales of goods and services in the aviation industry. In addition to the theoretical foundations of marketing, the lectures presis, creation of marketing strategies and planning. Methods and Procedures of Aircraft Accident Investigation dge of practical procedures in aircraft accident investigation. Equipment and organisation of the investigation team. Examples of the air and abroad and analysis of published final reports. Examples of the preparation of the final report of an air accident investigation. CNS Systems Modelling gned as a set of model tasks in the field of communication navigation and surveillance systems in aviation, addressed using mais devoted to air targets tracking, measurement-to-track association, track filtering and multisensor tracking. Law and Operation in Air Transport viation law. International conventions on civil aviation. International organisations and including of the Czech Republic in these or	KZ of aircraft accident in tion. KZ thematical approach KZ organisations. EU leg	2 vestigations in 2 nes and software 2 pislation and civil
and implementation and product analyst 22Y2MN Expanding knowle the Czech Republi 21Y2MC The course is desitools. A large part 21Y2PP Development of avaviation. Execution passengers, lugga	on of sales of goods and services in the aviation industry. In addition to the theoretical foundations of marketing, the lectures presis, creation of marketing strategies and planning. Methods and Procedures of Aircraft Accident Investigation dge of practical procedures in aircraft accident investigation. Equipment and organisation of the investigation team. Examples of the air additional and analysis of published final reports. Examples of the preparation of the final report of an air accident investigation. CNS Systems Modelling gned as a set of model tasks in the field of communication navigation and surveillance systems in aviation, addressed using mais devoted to air targets tracking, measurement-to-track association, track filtering and multisensor tracking. Law and Operation in Air Transport viation law. International conventions on civil aviation. International organisations and including of the Czech Republic in these of of state administration and state supervision in matters of civil aviation, in accordance with Act No. 49/1997 Col. Facilitation. R	KZ of aircraft accident in tion. KZ thematical approach KZ organisations. EU leg	2 vestigations in 2 nes and software 2 pislation and civil
and implementation and product analyst 22Y2MN Expanding knowle the Czech Republi 21Y2MC The course is desitools. A large part 21Y2PP Development of avaivation. Execution passengers, luggar 21Y2UL	In of sales of goods and services in the aviation industry. In addition to the theoretical foundations of marketing, the lectures presis, creation of marketing strategies and planning. Methods and Procedures of Aircraft Accident Investigation dge of practical procedures in aircraft accident investigation. Equipment and organisation of the investigation team. Examples of an abroad and analysis of published final reports. Examples of the preparation of the final report of an air accident investigation. CNS Systems Modelling gned as a set of model tasks in the field of communication navigation and surveillance systems in aviation, addressed using mais devoted to air targets tracking, measurement-to-track association, track filtering and multisensor tracking. Law and Operation in Air Transport viation law. International conventions on civil aviation. International organisations and including of the Czech Republic in these on of state administration and state supervision in matters of civil aviation, in accordance with Act No. 49/1997 Col. Facilitation. Rige and cargo. The safe transport of dangerous goods.	KZ of aircraft accident in tion. KZ thematical approach KZ organisations. EU legesponsibilities of air	2 vestigations in 2 nes and software 2 gislation and civil carriers for
and implementation and product analyst 22Y2MN Expanding knowle the Czech Republi 21Y2MC The course is desitools. A large part 21Y2PP Development of avaivation. Execution passengers, lugga 21Y2UL Approved Mainten	In of sales of goods and services in the aviation industry. In addition to the theoretical foundations of marketing, the lectures presis, creation of marketing strategies and planning. Methods and Procedures of Aircraft Accident Investigation dge of practical procedures in aircraft accident investigation. Equipment and organisation of the investigation team. Examples of an abroad and analysis of published final reports. Examples of the preparation of the final report of an air accident investigation. CNS Systems Modelling gned as a set of model tasks in the field of communication navigation and surveillance systems in aviation, addressed using mais devoted to air targets tracking, measurement-to-track association, track filtering and multisensor tracking. Law and Operation in Air Transport viation law. International conventions on civil aviation. International organisations and including of the Czech Republic in these on of state administration and state supervision in matters of civil aviation, in accordance with Act No. 49/1997 Col. Facilitation. Rige and cargo. The safe transport of dangerous goods. Aircraft Maintenance	KZ of aircraft accident in tion. KZ thematical approach KZ organisations. EU leg esponsibilities of air KZ ons (MTOs), technica	2 vestigations in 2 nes and software 2 gislation and civil carriers for 2 al documentation
and implementation and product analyst 22Y2MN Expanding knowle the Czech Republi 21Y2MC The course is desitools. A large part 21Y2PP Development of avaivation. Execution passengers, lugga 21Y2UL Approved Maintenand additional ICA	In of sales of goods and services in the aviation industry. In addition to the theoretical foundations of marketing, the lectures presis, creation of marketing strategies and planning. Methods and Procedures of Aircraft Accident Investigation dge of practical procedures in aircraft accident investigation. Equipment and organisation of the investigation team. Examples of an abroad and analysis of published final reports. Examples of the preparation of the final report of an air accident investigation. CNS Systems Modelling gned as a set of model tasks in the field of communication navigation and surveillance systems in aviation, addressed using mais devoted to air targets tracking, measurement-to-track association, track filtering and multisensor tracking. Law and Operation in Air Transport viation law. International conventions on civil aviation. International organisations and including of the Czech Republic in these or of state administration and state supervision in matters of civil aviation, in accordance with Act No. 49/1997 Col. Facilitation. Rige and cargo. The safe transport of dangerous goods. Aircraft Maintenance ance Organisations (AMOs), Continuing Airworthiness Management Organisations (CAMOs), Maintenance Training Organisations	KZ of aircraft accident in tion. KZ thematical approach KZ organisations. EU leg esponsibilities of air KZ ons (MTOs), technica	2 vestigations in 2 nes and software 2 gislation and civil carriers for 2 al documentation
and implementation and product analyst 22Y2MN Expanding knowle the Czech Republi 21Y2MC The course is desitools. A large part 21Y2PP Development of avaviation. Execution passengers, lugga 21Y2UL Approved Maintenand additional ICA	In of sales of goods and services in the aviation industry. In addition to the theoretical foundations of marketing, the lectures presis, creation of marketing strategies and planning. Methods and Procedures of Aircraft Accident Investigation dogs of practical procedures in aircraft accident investigation. Equipment and organisation of the investigation team. Examples of an abroad and analysis of published final reports. Examples of the preparation of the final report of an air accident investigation. CNS Systems Modelling gned as a set of model tasks in the field of communication navigation and surveillance systems in aviation, addressed using mais devoted to air targets tracking, measurement-to-track association, track filtering and multisensor tracking. Law and Operation in Air Transport viation law. International conventions on civil aviation. International organisations and including of the Czech Republic in these or of state administration and state supervision in matters of civil aviation, in accordance with Act No. 49/1997 Col. Facilitation. Rige and cargo. The safe transport of dangerous goods. Aircraft Maintenance ance Organisations (AMOs), Continuing Airworthiness Management Organisations (CAMOs), Maintenance Training Organisation (Instructions for Continued Airworthiness) instructions, aircraft release to service procedure, maintenance programmes and so	KZ of aircraft accident in tion. KZ thematical approach KZ organisations. EU leg esponsibilities of air KZ ons (MTOs), technica	2 vestigations in 2 nes and software 2 gislation and civil carriers for 2 al documentation

List of courses of this pass:

Code	Name of the course	Completion	Credits
11APAS	Applied Statistics	Z,ZK	4
•	is, data preprocessing, discretize continuous data. Hypothesis testing - continuous and discrete variables. Regression and correlation a sion analysis, logistic regression analysis, ROC curve, MANOVA, PCA, Factor analysis. Power analysis, preparation, processing and experience of the significant o	•	
11MMJ	Mathematical Models and their Applications	Z,ZK	4
, ,	on, discrete and logistic models. Bayesian estimation of model parameters. Parameter estimation of normal regression, discrete and . One-step and multi-step prediction with regression and discrete models. State model. State estimation. Kalman filter. Control with re	•	
11MMOA	Mathematical methods for data analysis	Z,ZK	4
Stocastic	modelling, estimation, prediction, filtration, control, methods of data analysis - k-means, DBSCAN, naive Bayes, decision trees, supply	oort vector machine	а.
11XN1	Master Project 1	Z	2
11XN2	Master Project 2	Z	2
11XN3L	Master Project 3	Z	2
11XN4L	Master Project 4	Z	2
12XN1	Master Project 1	Z	2
12XN2	Master Project 2	Z	2
12XN3L	Master Project 3	Z	2
12XN4L	Master Project 4	Z	2
14PROM	Process Modeling	KZ	2
Definition of the pro	ocess, role, KPI's, areas of interest. Process Map, definition, purpose, clear examples and demonstrations, recommendations and stan	dards, SIPOC. Pro	cess model,
definition, purpos	se, procedures and tools, static and dynamic models. BPMN language, syntax and semantics, process flows. Implementation of pract optimization and evaluation.	tical examples, As-	ls, To-Be,
14XN1	Master Project 1	Z	2

			1
14XN2	Master Project 2	Z	2
14XN3L	Master Project 3	Z	2
14XN4L	Master Project 4	Z	2
14Y2UI	Artificial Intelligence	KZ	2
	story of artificial intelligence, knowledge, its representation including frames, state space search, constraints, genetic algorithms, made		1
15J2A1	Language - English 1	Z	2
	resentation Skills - expert technical discourse and style; Analysis of expert texts and their production; Preparation for overseas work		
15JBA2	Language - English 2 resentation Skills - expert technical discourse and style; Analysis of expert texts and their production; Preparation for overseas work	Z	2
15JBA3	Language - English 3	Z	2
	Language - English 3 s - expert technical discourse and style; Analysis of expert texts and their production; Preparation for overseas work engagement.Op	_	1
1 resentation on	FCE, CAE.	dional courses for	Scrimoatos
15JBA4	Language - English 4	ZK	2
	s - expert technical discourse and style; Analysis of expert texts and their production; Preparation for overseas work engagement.Op		1
	FCE, CAE.		
15XN1	Master Project 1	Z	2
15XN2	Master Project 2	Z	2
15XN3L	Master Project 3	Z	2
15XN4L	Master Project 4	Z	2
16XN1	Master Project 1	Z	2
16XN2	Master Project 2	Z	2
16XN3L	Master Project 3	Z	2
16XN4L		Z	2
	Master Project 4	Z	
17XN1	Master Project 1		2
17XN2	Master Project 2	Z	2
17XN3L	Master Project 3	Z	2
17XN4L	Master Project 4	Z	2
18XN1	Master Project 1	Z	2
18XN2	Master Project 2	Z	2
18XN3L	Master Project 3	Z	2
18XN4L	Master Project 4	Z	2
20XN1	Master Project 1	Z	2
20XN2	Master Project 2	Z	2
20XN3L	Master Project 3	Z	2
20XN4L	Master Project 4	Z	2
21AFM	Air Traffic Management	Z,ZK	5
Current ATM syste	m and its functional blocks. View of ATM data (technical architecture and configuration, transmission systems and networks). Data ex	change with neigh	boring ATM
systems. Monitorin	g systems and technical supervision. ATM simulation. ATM conceptions and strategies for next years. EUROCONTROL - CFMU. FAB. A	TS's - AOC's data	applications.
21BILD	Safety Engineering in Aviation	Z,ZK	4
The course is focus	sed on understanding the issue of safety, learning how to assess new systems in terms of safety and acquiring principles of safety may	anagement. Stude	nts will learn
	explaining accidents and incident causes and bridge their theoretical knowledge with practical problems of air transport.		
21CNSS	CNS Systems	Z,ZK	5
	Il technical informations about CNS (communication, navigation, surveilance) systems used in aviation. Systems are presented in pers	i	
21ELEG	European Aviation Legislation	ZK	3
	subject "European Aviation Legislation" is the legal regulation of air operation, the system and structure of the national and European		_
or Lo legal acts in	the Czech national environment and their impact on national regulation with a focus on requirements and criteria of individual regula transportation.	uona on aviation tr	anspur and
21KST	Space Technology	ZK	3
	Space Technology asic characteristics. Fundamentals of astrophysics. Kepler's laws. Solar system. Earth's and its atmosphere and outer space. Space t	l .	I .
	d their structure and operational characteristics. Space crafts and satellites, space flight. Orbital mechanics. Application of space tech	•	
	and communication. Space exploration and piloted space flights and missions.		
21LETS	Airport	Z,ZK	4
Methods of desig	ning new airports and developing existing ones. Connection of the airport to the surrounding infrastructure. Airport economics. Details	ed look at the deve	lopment of
movement area	s. Certification of airside movement areas and procedures according to EASA CS-ADR-DSN. Development planning - design, prepa	ration and regulate	ry basis.
	Environmental aspects of airport operations.	T -	_
21LIA1	Aviation Engineering English 1	Z	3
	arious types of the language exercises and are focused on the following topics - EUR-Lex and European Legislation, ICAO Annexes		
21LIA2	viation Authorities, Accident investigation, Aircraft Airworthiness, Aircraft documentations and manuals, Medical certification, Emerge	KZ	3
	Aviation Engineering English 2 le various types of the language exercises and are focused on the following topics - Aviation associations, ISAGO and IGOM, EURO	I	-
Looiuros moluc	International, International Air Transport Association, Airport Engineering, Airline business, Future development in civil aviati		Journal
21LPZP	Air Traffic and the Environment	ZK	3
	out ecology, sustainable development, ecological stability, environmental protection and environmental legislation. It also focuses on	1	_
	environment, current issues, threats and solutions.		-
21MULD	Managerial Challenges in Air Transport	Z,ZK	5
	ains a list of basic managerial tasks in aviation. The basic managerial tasks are quality assurance and operational safety, marketing c	I control of	
implementation,	airline network management, fleet management and revenue management. The core disciplines also include project management, c	ost management a	nd project
	resource planning and management.		

21NSR	Navigation and Flight Control Systems	Z,ZK	5
OANTI E	Navigation. Radionavigation. Satellite navigation. Flight management system. Autopilot. FMC. Practical execution of flight.	V7	
21NTLE The course include	New Trends in Aviation Technologies les an introduction to all the technologies that are currently important to aviation, such as new aircraft design concepts, new types of	propulsion, and ne	3 w types of
	course also covers new types of urban mobility, virtual reality systems, biomechanical analysis. ATM technologies are another compoi		
	at smart airports, the use of blockchain, and airport simulations.		
21PAM1	Programming and Modelling 1	KZ	5
_	, their generation. Real signals, sampling theorem, aliasing. Signal filtering. Fourier transform (FT), discrete Fourier transform (DFT),		
Spectrum estima	ation, spectral power density. Image - basic processing methods, 2D Fourier transform, noise filtering, edge detection, linear and nor	-linear methods, b	rightness
21PAM2	transforms, geometric transforms, image compression. Programming and Modelling 2	KZ	5
	istics, classical statistical analysis. Statistical hypothesis testing. Analysis of variance (ANOVA), one-factor, two-factor ANOVA. Non-p	1	
•	lation, correlation coefficient. Non-linear regression models, procedure for regression analysis of a non-linear model. Basics of mach		
	nearest neighbour method. SVM classifiers. Decision trees.		
21PEKL	Principles and Models in Air Transport Economics	Z,ZK	5
	s the most important and typical models on which the economics of air transport is based. It covers the principles of regulation, airling		
structure, analyses	airline costs, and looks in detail at the low-cost and charter airline model. It also focuses on airline alliances, air cargo, airline strategion of safety and security.	es and the econom	lic principles
21PLDC	Air Carrier Operations	Z,ZK	5
	portance of air transport. Legislation. Airlines - structure, strategy. Performances in air transport. Cost structure. Fuel management. C		
	l economics of aircraft operation. Ground handling and other services. Safety / Security / Quality and Compliance monitoring. Revenue		
	and environment.		
21PLET	Airport Operations	Z,ZK	5
Planning, design ar	nd modelling of airport processes in airside, landside and terminal buildings. Impact of infrastructure and equipment on airport capacit	-	nd practices
21SPOL	for increasing capacity. Operational analytics, capacity and traffic load forecasting. Purpose and development of an airport mast		4
	Aircraft Technology Reliability uition of separate attributes of reliability (no failure, vitality, maintainability, and so on) and main criterions of safety of production and wor	Z,ZK	1 -
	are in the framework of tuition demonstrated on the example of calculation of reliability of integral characteristics of materials and the		
· ·	security in The Czech Police Aviation Department.		
21SYMS	System Thinking	ZK	3
System, its struc	ture, algorithmization, complexity, emergence, mind setting, critical thinking, teamwork, feedback and communication, goal setting, u	ncertainties and a	rguments,
0.43/114	decision making under uncertainty.	_	
21XN1	Master Project 1	Z	2
21XN2	Master Project 2	Z	2
21XN3L	Master Project 3	Z	2
0.43/0.141	•		
21XN4L	Master Project 4	Z	2
21XNL1	Master Project 4 Thesis seminar 1	Z Z	2
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21XNL1 Introduction, scien	Master Project 4 Thesis seminar 1	Z Z agement. Formal a	2 2 and graphic
21XNL1 Introduction, scien	Master Project 4 Thesis seminar 1 ntific publications, publications devoted to scientific writing, grey literature, difference between bachelor and master thesis. Time manitical typesetting, typography, paragraphing, transitions between paragraphs. LaTeX. Research, databases, critical work with text, digit	Z Z agement. Formal a	2 2 and graphic
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22XN1	Master Project 1	Z	2			
22XN2	Master Project 2	Z	2			
22XN3L	Master Project 3	Z	2			
22XN4L	Master Project 4	Z	2			
22Y2MN	Methods and Procedures of Aircraft Accident Investigation	KZ	2			
	Expanding knowledge of practical procedures in aircraft accident investigation. Equipment and organisation of the investigation team. Examples of aircraft accident investigations in the Czech Republic and abroad and analysis of published final reports. Examples of the preparation of the final report of an air accident investigation.					
23XN1	Master Project 1	Z	2			
23XN2	Master Project 2	Z	2			
23XN3L	Master Project 3	Z	2			
23XN4L	Master Project 4	Z	2			

For updated information see http://bilakniha.cvut.cz/en/FF.html Generated: day 2025-06-04, time 09:25.