## Recomended pass through the study plan

## Name of the pass: Bachelor Full-Time PIL (EN) from 2024/25

Faculty/Institute/Others:

Department:

Pass through the study plan: Bachelor PIL (EN) Full-Time from 2024/25

Branch of study guranteed by the department: Welcome page

Guarantor of the study branch: Program of study: Professional Pilot Type of study: Bachelor full-time

Note on the pass:

Coding of roles of courses and groups of courses:

P - compulsory courses of the program, PO - compulsory courses of the branch, Z - compulsory courses, S - compulsory elective courses, PV - compulsory elective courses, F - elective specialized courses, V - elective courses, T - physical training courses

Coding of ways of completion of courses (KZ/Z/ZK) and coding of semesters (Z/L):

KZ - graded assesment, Z - assesment, ZK - examination, L - summer semester, Z - winter semester

#### Number of semester: 1

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
11CAL1-E	Calculus 1 Ond ej Navrátil, Magdalena Hykšová Magdalena Hykšová Ond ej Navrátil (Gar.)	Z,ZK	7	2P+4C+22E	B Z	Z
15JP1A-E	Foreign Language - English for PIL 1 Marek Tome ek, Dana Boušová, Jitka He manová, Eva Rezlerová, Markéta Musilová, Markéta Vojanová, Lenka Monková <b>Markéta Musilová</b>	Z	2	0P+2C	Z	Z
210BN-E	General Navigation Denisa Svobodová Denisa Svobodová	ZK	5	4P+0C	Z	Z
11GIE-E	Geometry Šárka Vorá ová <b>Šárka Vorá ová</b> Šárka Vorá ová (Gar.)	KZ	3	2P+2C+12E	B Z	Z
11LA-E	Linear Algebra Martina Be vá ová Martina Be vá ová (Gar.)	Z,ZK	3	2P+1C+10E	B Z	Z
21VFRT-E	Theory for VFR Training Filip Bart n k Filip Bart n k	Z,ZK	6	4P+4C	Z	Z
21VFRC-E	VFR Communication Milan Kameník Milan Kameník	Z,ZK	4	2P+1C	Z	Z

#### Number of semester: 2

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
21LEY1-E	Air Law 1 Radoslav Zozu ák Radoslav Zozu ák (Gar.)	ZK	3	3P+0C	L	Z
21LDA1-E	Aircraft 1 Vladimír Plos, Max Chopart Max Chopart Vladimír Plos (Gar.)	Z,ZK	3	2P+1C	L	Z
21LAP1-E	Aviation English for Professional Pilot 1  Lukáš Zibner Lukáš Zibner	Z	2	0P+2C	L	Z
11CAL2-E	Calculus 2 Ond ej Navrátil, Magdalena Hykšová Magdalena Hykšová Ond ej Navrátil (Gar.)	Z,ZK	5	2P+3C	L	Z
21LPX1-E	Flight Training 1 Iveta Kameníková, Jakub Hospodka	KZ	2	0P+1C	L	Z
15JP2A-E	Foreign Language - English for PIL 2 Marek Tome ek, Jitka He manová, Eva Rezlerová, Markéta Musilová, Markéta Vojanová, Lenka Monková, Jan Feit, Barbora Horá ková, Marie Michlová,	KZ	3	0P+2C	L	Z
21CON-E	Navigation Calculations  Milan Kameník, Paul Rousseau Milan Kameník	KZ	2	0P+2C	L	Z
21ZYT1-E	Principles of Flight 1 Vladimír Machula	Z,ZK	3	2P+1C	L	Z
11STAT-E	Statistics Ivan Nagy, Tetiana Reznychenko Tetiana Reznychenko Evženie Uglickich (Gar.)	Z,ZK	4	2P+2C	L	Z
21HAV-E	Weight and Balance of Aircraft Ota Hajzler Denisa Svobodová Anna Polánecká (Gar.)	Z,ZK	3	2P+2C	L	Z

# Number of semester: 3

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
21LPTY-E	Aircraft Operations Ladislav Capoušek Ladislav Capoušek	ZK	2	2P+0C	Z	Z
21VL-E	Aircraft Performance Denisa Svobodová Denisa Svobodová	Z,ZK	4	2P+2C	Z	Z
21LDA2-E	Aircraft 2 Max Chopart, Michal erný Max Chopart	Z,ZK	4	2P+1C	Z	Z
21LAP2-E	Aviation English for Professional Pilot 2 Filip Havrda	Z,ZK	3	0P+4C	Z	Z
21LPX2-E	Flight Training 2 Iveta Kameníková, Jakub Hospodka, Jakub Charezinski, Roman Matyáš Iveta Kameníková	KZ	2	0P+1C	Z	Z
21PUP1-E	Instrumentation 1 Pavel Hovorka	ZK	3	2P+0C	Z	Z
21PRJ2-E	Instrumentation 2 Pavel Hovorka Pavel Hovorka	ZK	3	2P+0C	L,Z	Z
11FYZ-E	Physics Tomáš Vít , Antonio Cammarata, Jana Kuklová, Zuzana Malá <b>Jana Kuklová</b> Tomáš Vít (Gar.)	Z,ZK	5	2P+2C+18B	Z	Z
21RNV-E	Radionavigation Jan Žižka <b>Jan Žižka</b>	Z,ZK	4	3P+1C	Z	Z
11SCFZ-E	Seminar of Physics Tomáš Vít , Antonio Cammarata, Jana Kuklová, Zuzana Malá <b>Tomáš Vít</b> Tomáš Vít (Gar.)	Z	0	0P+2C	Z	V

## Number of semester: 4

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
21AFL1-E	Advanced Flying 1 Viktor Valenta Viktor Valenta	Z,ZK	3	2P+1C	L	Z
14AP-E	Algorithm and Programming Vít Fábera, Michal Je ábek, Júlia Škovierová Vít Fábera Vít Fábera (Gar.)	KZ	4	2P+2C	L	Z
21SBU1-E	Bachelor Thesis Seminar 1 Lenka Hanáková Lenka Hanáková	Z	1	1P+0C	L	Z
11EMO-E	Electromagnetic Field and Optics Tomáš Vít , Antonio Cammarata, Zuzana Malá Tomáš Vít Tomáš Vít (Gar.)	Z,ZK	4	2P+1C	L	Z
21PML-E	Flight Planning and Monitoring  Anna Polánecká Anna Polánecká	Z,ZK	3	2P+2C	L	Z
21LPX3-E	Flight Training 3 Iveta Kameníková, Jakub Hospodka	KZ	2	0P+1C	L	Z
15JZ4A-E	Foreign Language - English 4  Jitka He manová, Eva Rezlerová, Markéta Musilová, Markéta Vojanová, Lenka Monková, Jan Feit, Barbora Horá ková, Marie Michlová, Peter Morpuss	Z,ZK	3	0P+4C	L	Z
21IFRC-E	IFR Communication Milan Kameník Milan Kameník	KZ	2	1P+1C	L	Z
21PRJ2-E	Instrumentation 2 Pavel Hovorka Pavel Hovorka	ZK	3	2P+0C	L,Z	Z
21MEE1-E	Meteorology 1 Iveta Kameníková Iveta Kameníková	Z,ZK	3	2P+2C	L	Z
11SEMO-E	Seminar of Electromagnetic Field and Optics Tomáš Vít , Antonio Cammarata, Zuzana Malá Tomáš Vít (Gar.)	Z	0	0P+2C	L	ZP
		Min. cours.				
V4 DD DII EN 00/00	Projekty Bc. prezen ní PIL (EN) od 2022/23	3	Min/Max			
X1-BP-PIL-EN-22/23	11X31-E,12X31-E, (see the list of groups below)	Max. cours.	6/6			ZP
		3				

Number of semester: 5

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
21PKL2-E	Advanced Flying 2 Viktor Valenta Viktor Valenta	ZK	2	2P+0C	L,Z	Z
21LTP2-E	Air Law 2 Radoslav Zozu ák <b>Radoslav Zozu ák</b>	Z,ZK	3	3P+0C	Z	Z
21SBP-E	Bachelor's Thesis Seminar Lenka Hanáková, Vladimír Socha Vladimír Socha	Z	1	0P+1C	Z	Z
21LPX4-E	Flight Training 4 Iveta Kameníková, Jakub Hospodka, Jakub Charezinski, Roman Matyáš Iveta Kameníková	KZ	2	0P+1C	Z	Z
15JZ3A-E	Foreign Language - English 3 Dana Boušová, Jitka He manová, Eva Rezlerová, Markéta Musilová, Markéta Vojanová, Lenka Monková, Jan Feit, Marie Michlová, Peter Morpuss	Z	3	0P+4C	Z	Z
21MET2-E	Meteorology 2 Iveta Kameniková Iveta Kameniková	Z,ZK	5	2P+2C	Z	Z
21PPY1-E	Operational Procedures 1 Ladislav Capoušek Ladislav Capoušek	Z,ZK	3	2P+1C	Z	Z
21PRKP-E	Practical Flight Planning Jakub Hospodka, Anna Polánecká Jakub Hospodka	Z,ZK	4	2P+2C	Z	Z
21ZKL2-E	Principles of Flight 2 Vladimír Machula Vladimír Machula	ZK	3	2P+1C	Z	Z
		Min. cours.				
V4 DD DII EN 00/00	Projekty Bc. prezen ní PIL (EN) od 2022/23	3	Min/Max			
X1-BP-PIL-EN-22/23	11X31-E,12X31-E, (see the list of groups below)	Max. cours.	6/6			ZP
		3				
		Min. cours.				
.,,	BVP.B. B.c. prozon. pí Bll. (EN) od 2024/25	2	Min/Max			
Y1-BP-PIL-EN-24/25	PVP-B Bc. prezen ní PIL (EN) od 2024/25 15Y1EH-E,15Y1HE-E, (see the list of groups below)	Max. cours.	4/4			PV
		2	., .			

#### Number of semester: 6

Code	Name of the course / Name of the group of courses (in case of groups of courses the list of codes of their	Completion	Crodito	Scone	Semester	Role
Code	members) Tutors, authors and guarantors (gar.)	Completion	Credits	Scope	Semester	Kole
21LEIS-E	Aerodromes Ladislav Capoušek, Slobodan Stoji Ladislav Capoušek	Z,ZK	3	2P+1C	L	Z
21LCM-E	Aircraft Engines Vladimír Machula Jakub Kraus (Gar.)	Z,ZK	3	2P+1C	L	Z
14AP-E	Algorithm and Programming Vít Fábera, Michal Je ábek, Júlia Škovierová Vít Fábera Vít Fábera (Gar.)	KZ	4	2P+2C	L	Z
21KPSL-E	Communication and Surveillance Systems in Aviation  Jakub Steiner Jakub Steiner	ZK	3	2P+0C	L	Z
21LPX5-E	Flight Training 5 Iveta Kameníková, Jakub Hospodka	KZ	2	0P+1C	L	Z
15JZ4A-E	Foreign Language - English 4  Jitka He manová, Eva Rezlerová, Markéta Musilová, Markéta Vojanová, Lenka Monková, Jan Feit, Barbora Horá ková, Marie Michlová, Peter Morpuss	Z,ZK	3	0P+4C	L	Z
21KSAV-E	KSA Assessment Radoslav Zozu ák Radoslav Zozu ák	Z,ZK	2	0P+2C	L	Z
21LVPK-E	MCC - Multicrew Cooperation Vladislav Pružina	Z	2	2P+1C	L	Z
21PPY2-E	Operational Procedures 2 Ladislav Capoušek Ladislav Capoušek (Gar.)	ZK	4	3P+0C	L	Z
		Min. cours.				
X1-BP-PIL-EN-22/23	Projekty Bc. prezen ní PIL (EN) od 2022/23	3	Min/Max			ZP
X1-D1 -1 1L-LIN-22/23	11X31-E,12X31-E, (see the list of groups below)	Max. cours.	6/6			ZP
		3				
		Min. cours.				
V4 DD DII EN 04/05	PVP-B Bc. prezen ní PIL (EN) od 2024/25	2	Min/Max			
Y1-BP-PIL-EN-24/25	15Y1EH-E,15Y1HE-E, (see the list of groups below)	Max. cours.	4/4			PV
		2				

# List of groups of courses of this pass with the complete content of members of individual groups

Kód		Name of the group group (for specifical	of courses an	d codes of members of this or below the list of courses)	Com	pletion	Credit	s Scope	Semester	Role
					1	cours. 3	Min/Ma	ax		
X1-BP-PIL	-EN-22/23	Projekty B	c. prezen ní P	IL (EN) od 2022/23	Max.	cours.	6/6			ZP
						3				
11X31-E	Project 1		12X31-E	Project 1		14X31-E		Project 1		
5X31-E	Project 1		16X31-E	Project 1		17X31-E		Project 1		
8X31-E	Project 1		20X31-E	Project 1		21X31-E		Project 1		
2X31-E	Project 1		23X31-E	Project 1		11X32-E		Project 2		
12X32-E	Project 2		14X32-E	Project 2		15X32-E		Project 2		
16X32-E	Project 2		17X32-E	Project 2		18X32-E		Project 2		
20X32-E	Project 2		21X32-E	Project 2		22X32-E		Project 2		
23X32-E	Project 2		11X33-E	Project 3		12X33-E		Project 3		
4X33-E	Project 3		15X33-E	Project 3		16X33-E		Project 3		
17X33-E	Project 3		18X33-E	Project 3		20X33-E		Project 3		
21X33-E	Project 3		22X33-E	Project 3		23X33-E		Project 3		
Y1-BP-PIL	-EN-24/25	PVP-B Bo	. prezen ní Pl	L (EN) od 2024/25		cours. 2 cours. 2	Min/Ma	ax		PV
5Y1EH-E	European	Integration within Hist	15Y1HE-E	Work Hygiene and Ergonomics in	Ť	15Y1ZV-	Ė	East-West dic	hotomy: Preluc	le to
8Y1AM-E	Anatomy, N	Mobility and Safety of	18Y1EM-E	Experimental Methods in Mechanic	c	21Y1MJ-	E	Matlab for pro	jects	
1Y1MP-E	Matlab for	project-oriented stud	21Y1OH-E	Airline Business and Operations		15Y1BO	-E '	Work Safety a	ind Health Prot	ectio
5Y1HL-E	History of (	Civil Aviation	17Y1LL-E	Logistics of Passenger and Freig		18Y1MT-	E	Engineering N	/laterials	
8Y1MX-E	Materials in	n Transportation	18Y1PD-E	Computer Simulations in Transpor		18Y1PS-	·E	Computer Sin	nulations in Me	chanic
21Y1BC-E	Aviation sa	fety and security	21Y1BS-E	Unmanned aircraft systems 1		21Y1RZ-	·E	Human Resor	ırces Managen	nent
00Y1XB	Active part	icipation in a scient		,					-	

# List of courses of this pass:

	Name of the course	Completion	Credits
00Y1XB	Active participation in a scientific project, workshop, short-term trip abroad	KZ	2
11CAL1-E	Calculus 1	Z,ZK	7
•	umbers and its limit. Basic properties of mappings. Function of one real variable, its limit and derivative. Geometric properties of n-dim an coordinate system. Geometric meaning of the differential of functions several real variables, differential calculus of functions of sev		•
11CAL2-E	Calculus 2	Z,ZK	5
Indefinite integral,	Newtonian integral, Riemannian integral of the function of one variable, improper Riemannian integral, Riemannian integral in Rn. Pa	rametric descriptio	n of regular
k-dimensional su	rfaces in Rn, Riemannian integral over regular surfaces. Line and surface integrals of the second type, Stokes theorems, ordinary diff	erential equations	of the first
	order, linear differential equations with constant coefficients and its systems		
11EMO-E	Electromagnetic Field and Optics	Z,ZK	4
	Electric field. Electric current. Magnetic field. Electromagnetic field. Optics. Basics of solid-state physics.		
11FYZ-E	Physics	Z,ZK	5
	Kinematics, particle dynamics, dynamics of particle systems and rigid body. Continuum mechanics, thermodynamics.	'	
11GIE-E	Geometry	KZ	3
I IGIL-L	1 Octinou y	NZ	, s
	etry of curves - parameterization, the arc of the curve, torsion and curvature, Frenet`s trihedron. Kinematics - a curve as a trajectory cacceleration of a particle moving on a curved path.		
	etry of curves - parameterization, the arc of the curve, torsion and curvature, Frenet's trihedron. Kinematics - a curve as a trajectory of acceleration of a particle moving on a curved path.		
Differential geome	etry of curves - parameterization, the arc of the curve, torsion and curvature, Frenet's trihedron. Kinematics - a curve as a trajectory of	f the motion, the volume of	elocity, and
Differential geome	etry of curves - parameterization, the arc of the curve, torsion and curvature, Frenet's trihedron. Kinematics - a curve as a trajectory of acceleration of a particle moving on a curved path.  Linear Algebra  Par combinations, linear independence, dimension, basis, coordinates). Matrices and operations. Systems of linear equations and the	f the motion, the volume of	elocity, and
Differential geome 11LA-E Vector spaces (line	etry of curves - parameterization, the arc of the curve, torsion and curvature, Frenet's trihedron. Kinematics - a curve as a trajectory of acceleration of a particle moving on a curved path.  Linear Algebra ear combinations, linear independence, dimension, basis, coordinates). Matrices and operations. Systems of linear equations and the their applications. Scalar product. Similarity of matrices (eigenvalues and eigenvectors). Quadratic forms and their classifications.	of the motion, the volume to the motion, the volume to the motion, the motion to the motion.	elocity, and  3 minants and
Differential geome 11LA-E Vector spaces (line	etry of curves - parameterization, the arc of the curve, torsion and curvature, Frenet's trihedron. Kinematics - a curve as a trajectory of acceleration of a particle moving on a curved path.  Linear Algebra ear combinations, linear independence, dimension, basis, coordinates). Matrices and operations. Systems of linear equations and the their applications. Scalar product. Similarity of matrices (eigenvalues and eigenvectors). Quadratic forms and their classifications. Seminar of Physics  Solving problems on kinematics, particle dynamics, dynamics of particle systems and rigid body. Continuum mechanics, thermody	of the motion, the volume to the motion, the volume to the motion, the motion to the motion.	elocity, and  3 minants and
11LA-E Vector spaces (line	etry of curves - parameterization, the arc of the curve, torsion and curvature, Frenet's trihedron. Kinematics - a curve as a trajectory of acceleration of a particle moving on a curved path.  Linear Algebra ear combinations, linear independence, dimension, basis, coordinates). Matrices and operations. Systems of linear equations and the their applications. Scalar product. Similarity of matrices (eigenvalues and eigenvectors). Quadratic forms and their classifications.  Seminar of Physics	The motion, the volume of the motion, the volume of the motion, and the motion.	elocity, and  3 minants and
11LA-E Vector spaces (line	Entry of curves - parameterization, the arc of the curve, torsion and curvature, Frenet's trihedron. Kinematics - a curve as a trajectory of acceleration of a particle moving on a curved path.  Linear Algebra ear combinations, linear independence, dimension, basis, coordinates). Matrices and operations. Systems of linear equations and the their applications. Scalar product. Similarity of matrices (eigenvalues and eigenvectors). Quadratic forms and their classifications. Seminar of Physics  Solving problems on kinematics, particle dynamics, dynamics of particle systems and rigid body. Continuum mechanics, thermody Seminar of Electromagnetic Field and Optics	The motion, the volume of the motion, the volume of the motion, and the motion.	elocity, and  3 minants and
11LA-E Vector spaces (line  11SCFZ-E  11SEMO-E  11STAT-E	Entry of curves - parameterization, the arc of the curve, torsion and curvature, Frenet's trihedron. Kinematics - a curve as a trajectory of acceleration of a particle moving on a curved path.  Linear Algebra ear combinations, linear independence, dimension, basis, coordinates). Matrices and operations. Systems of linear equations and the their applications. Scalar product. Similarity of matrices (eigenvalues and eigenvectors). Quadratic forms and their classifications. Seminar of Physics  Solving problems on kinematics, particle dynamics, dynamics of particle systems and rigid body. Continuum mechanics, thermody Seminar of Electromagnetic Field and Optics  Solving problems on electric and magnetic field, electromagnetic field, optics and basics of solid-state physics.	f the motion, the volume in the motion, the volume in the motion, the volume in the motion.  Z  /namics.  Z  Z,ZK	3 minants and 0 0
11LA-E Vector spaces (line  11SCFZ-E  11SEMO-E  11STAT-E Definition of probat	Entry of curves - parameterization, the arc of the curve, torsion and curvature, Frenet's trihedron. Kinematics - a curve as a trajectory of acceleration of a particle moving on a curved path.  Linear Algebra ear combinations, linear independence, dimension, basis, coordinates). Matrices and operations. Systems of linear equations and the their applications. Scalar product. Similarity of matrices (eigenvalues and eigenvectors). Quadratic forms and their classifications. Solving problems on kinematics, particle dynamics, dynamics of particle systems and rigid body. Continuum mechanics, thermody Seminar of Electromagnetic Field and Optics  Solving problems on electric and magnetic field, electromagnetic field, optics and basics of solid-state physics.  Statistics	of the motion, the volume of the motion, the volume of the motion, the volume of the motion.  Z  Z  Z,ZK  Z,ZK  Testing of statistical	3 minants and 0 0 4 hypothesis.

11X32-E	Project 2	Z	2
11X33-E	Project 3	Z	2
12X31-E	Project 1	Z	2
12X32-E	Project 2	Z Z	2
12X32-E	Project 3	Z	2
14AP-E	Algorithm and Programming	KZ	4
	epresentation, algorithms (conditions, loops), high level programming languages, introduction to Python language, lists, searching and		1
•	pple, dictionary), regular expressions, libraries to process date and time, set arrays, functions and procedures, working with files, insti		
	programming	•	
14X31-E	Project 1	Z	2
14X32-E	Project 2	Z	2
14X33-E	Project 3	Z	2
15JP1A-E	Foreign Language - English for PIL 1	Z	2
	nguage skills within spoken and written form of the language with the focus on aviation English. Practice of comprehension of authen	tic materials. Imp	rovement c
oronunciation and	fluency of spoken language. Aviation phraseology in combination with general English. Revision and improvement of grammar struct Topics related to air transport and occupation of pilot and air staff.	ures, syntax and	vocabulary
15JP2A-E	Foreign Language - English for PIL 2	KZ	3
mprovement of la	nguage skills within spoken and written form of the language with the focus on aviation English. Practice of comprehension of authen	tic materials. Imp	rovement o
pronunciation and	fluency of spoken language. Aviation phraseology in combination with general English. Revision and improvement of grammar struct	ures, syntax and	vocabulary
	Topics related to air transport and occupation of pilot and air staff.		
15JZ3A-E	Foreign Language - English 3	Z	3
	e and stylistics. Conversational and specialised topics selected according to the language group level and with regard to the Faculty's		
iprovement in per	ceptive and communicative skills; widening the vocabulary. Basic kinds of compositions. Presentations of own findings in both oral an and their features; terminology.	u written form. Ie	crinical te
15JZ4A-E	Foreign Language - English 4	Z,ZK	3
	and stylistics. Conversational and specialised topics selected according to the language group level and with regard to the Faculty's f		-
	ceptive and communicative skills; widening the vocabulary. Basic kinds of compositions. Presentations of own findings in both oral an		
	and their features; terminology.		
15X31-E	Project 1	Z	2
15X32-E	Project 2	Z	2
15X33-E	Project 3	Z	2
15Y1BO-E	Work Safety and Health Protection in Transportation	KZ	2
	lative, definition of terms, risks and possible health damage, working conditions and health protection with focus on transportation. He		_
_	health insurance of home and foreign business trips, statistics, working practice.		_
15Y1EH-E	European Integration within Historical Context	KZ	2
ersailles system, '	formation of new states. Europe and the powers, League of Nations. European policy in the 1920s. Fascism, nacism, communism. Lit	tle Entente its nr	incinles ar
		tic Litterite, its pr	incipies ai
goals. Europe afte	er Hitler's getting to power, system of bilateral agreements. Decline of the LN. Rearrangement of powers during WWII. Cold war and it	-	
	New quality of French-German relationship - a driving power of starting European integration.	s consequences	for Europe
15Y1HE-E	New quality of French-German relationship - a driving power of starting European integration.  Work Hygiene and Ergonomics in Traffic	s consequences KZ	for Europe
15Y1HE-E Basic knowledge	New quality of French-German relationship - a driving power of starting European integration.  Work Hygiene and Ergonomics in Traffic  of occupational hygiene and ergonomics, and their application in transport. Working environment factors, and the influence of these f	KZ actors on health	for Europe 2 of workers
15Y1HE-E Basic knowledge	New quality of French-German relationship - a driving power of starting European integration.  Work Hygiene and Ergonomics in Traffic  of occupational hygiene and ergonomics, and their application in transport. Working environment factors, and the influence of these forction of working conditions that do not damage public health. Mutual links: man-machine-environment. Adaptation of technology to poor	KZ actors on health	for Europe 2 of workers
15Y1HE-E Basic knowledge	New quality of French-German relationship - a driving power of starting European integration.  Work Hygiene and Ergonomics in Traffic  of occupational hygiene and ergonomics, and their application in transport. Working environment factors, and the influence of these foction of working conditions that do not damage public health. Mutual links: man-machine-environment. Adaptation of technology to port of the practical examples from the field of transportation; relevant legislature.	KZ actors on health ossibilities and ski	for Europe 2 of workers ills of a ma
15Y1HE-E Basic knowledge treation and proter	New quality of French-German relationship - a driving power of starting European integration.  Work Hygiene and Ergonomics in Traffic  of occupational hygiene and ergonomics, and their application in transport. Working environment factors, and the influence of these foction of working conditions that do not damage public health. Mutual links: man-machine-environment. Adaptation of technology to port of the practical examples from the field of transportation; relevant legislature.  History of Civil Aviation	KZ actors on health ossibilities and ski	for Europe 2 of workers ills of a ma
15Y1HE-E Basic knowledge treation and proter 15Y1HL-E eronautics. Beginn	New quality of French-German relationship - a driving power of starting European integration.  Work Hygiene and Ergonomics in Traffic  of occupational hygiene and ergonomics, and their application in transport. Working environment factors, and the influence of these foction of working conditions that do not damage public health. Mutual links: man-machine-environment. Adaptation of technology to portatical examples from the field of transportation; relevant legislature.  History of Civil Aviation  nings of aircrafts heavier than air. Czechoslovak aviation pioneers. Development of airports in the Czech Republic. World airports. Airl	KZ actors on health obssibilities and ski	for Europe 2 of workers ills of a ma
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Systematic coverview of man classes of ministrations used in interfaced tasking in notice disast, in many disasters or ministrations of the straint selection process is also demonstrated based on a could adolyte selection character.  18Y IPD-E  Procepts and conview of programs for stress analysis of shortwards have trained as indicated in mechanics, finds element method. Geometric model development of an adolytic of the process. Nature of the stress is a ministrated process. The given of elements and line use Disastration of said model. Boundary confliction of the geometry from other CAE systems. Assignment of ministrated processins. The given of elements and line use Disastration of said model. Boundary conflictions and application of the geometry from other CAE systems. Assignment of ministrated processins. The given of elements and line use Disastration of said model. Boundary conflictions and application of the common of the common of the stress analysis of structures. Numerical methods in mechanics, finise element method. Geometric model development and application of the common of the				2
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sponsety from other CAE systems. Assignment of miserial properties. The types of elements and their use. Discretization of sold model. Boundary conditions and application of the Principles and converse of programs for stress analysis of structural and modal analysis, introduction to complex contributes profession. Principles and converse of programs for stress analysis of structural and modal analysis in mechanics. Into element, method. Geometric model development and adaption of geometry from other CAE systems. Assignment of miseral properties. The types of elements and their use. Discretization of sold model. Boundary conditions and application of the following programs. The properties of the properties. The properties of elements and their use. Discretization of sold model. Boundary conditions and application of the following properties. The properties of the properties of the properties. The properties of the properties of the properties. The properties of the properties of the properties of the properties. The properties of the properties of the properties of the properties. The properties of the properties of the properties of the properties. The properties of the properties of the properties of the properties. The properties of the properties. The properties of t	18Y1PD-E	Computer Simulations in Transportation	KZ	2
INVIPS-E   Computer Simulations in Mechanics   Principles and overview of programs for stress analysis of structures. Numerical methods in mechanics, finite demant method. Geometric model device/principles and overview of programs for stress analysis of structures. Numerical methods in mechanics, finite demant method. Geometric model device/principles and design and programs of the stress of structural and methods in mechanics, finite demant method. Geometric model device/principles and general methods analysis. Invinciples and programs of the stress of structural and model analysis. Invinciples in the stress of the structures and analysis. Invinciples in the structures and structures and structures. In the structures and structures and structures and structures and structures. In the structures are structured in the structures and structures. In the structures are structured to programs. In the structures are structured departures, encountering objectives its did down in Commission Regulation (EUR) to 1172/2011, Instrument physic printeduction, structures and experiment procedures for instrument departures, encountering printeduction, structures and experiment procedures and experiment departures, encountering printeduction of instructures departures, encountering printeduction and structures. In the structures of the structures departures, encountering printeduction of instructures departures, encountering printeduction of instructures departures, encountering printeduction of instructures and structures. In the structures are structured departures, encountering and structures. In the structures are structures and structures. In the structures are structures and structures and structures. In the structures are structures and structures and structures. In the structures are structures and structures and structures. In the structures are structures and structures and	•			
18Y1PS-E   Computer Simulations in Mechanics   KZ   2   Principes and overview of programs for sees analysis of structures. Numerical methods in mechanics, finite element method. Geometric model development and adjustation of the load. Basic states of structural and models analysis in structures. Numerical methods analysis, structural and models analysis. Extraction to complex nonlinear proteins.  20X31-E   Project 1   Z   2   20X332-E   Project 2   Z   2   20X332-E   Project 3   Z   2   20X333-E   Advanced Plying 1   Z   Z   20X333-E   Advanced Plying 1   Z   Z   20X332-E   Advanced Plying 1   Z   Z   20X33-E   Advanced Plying 1   Z   Z   20X3-E   Z   Z   Z   Z   20X3-E   Z   Z   Z   20X3-E   Z   Z   Z   Z   Z   Z   Z   Z   Z	geometry from oth		nditions and applic	ation of the
principles and overview of programs for stress analysis of structures. Numerical methods in methods: A proceedings of solid models counted coveragement and methods and supplication of the geometry from order CRE systems. Assignment of material propriette. They pose of determined and methods analysis, introduction to complex nonfinear problems.  20X33-E Project 2 Z 2 20X33-E Project 3 Z 2 2 24AFL1-E Report of the Comment of	18V1PS-F		K7	2
pecometry from other CAE eyesterns. Assignment of material properties. The year of elements and their use. Discretization of sold model Boundary conditions and application of the load. Basic lastes of structural and model analysis, structuration to complex nonlineary proteins.  20X31-E Project 1 Z 2 2 20X332-E Project 2 Z 2 20X333-E Project 3 Z 2 2 20X333-E Project 3 Z 2 2 20X333-E Project 3 Z 2 2 20X33-E Project 3 Z 2 2 20X33-E Advanced Flying 1 Z Z Z Z 2 20X3-E Advanced Flying 1 Z Z Z 2 20X3-E Advanced Flying 1 Z Z Z 2 20X3-E Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z		·		
20X3-12 Project 2 Z 2 20X3-25 Project 3 Z Z 2 20	•			·
200339-E Project 3 Z 2 21AF1-E Advanced Flying 1 21AF1-E Advanced Flyi		load. Basic tasks of structural and modal analysis. Introduction to complex nonlinear problems.		
2/14FL1= Advanced Flying 1 This course supplements Learning objectives laid down in Commission Regulation (FU) No. 1178/2011. Instrument Pyling introduction, threat and error management, procedures for instrument opportunes, encourse flight Indiagna, and arrains, instrument approaches profromance based analysison, weather consideration. (Right plasming and monitoring, effective briefings, phrissoclogy differences, lost communication procedures, CFIT prevention, decompression and monitoring, effective briefings, phrissoclogy differences, lost communication procedures, CFIT prevention, decompression (Right plasming and monitoring, effective briefings, phrissoclogy differences, lost communication of magnetic members, and the procession of control of control of prevention, decompression (Right plasming and monitoring control and procedures, CFIT prevention, decompression).  21HAVE  21HAVE  Weight and Balance of Aircraft  22 Weight and Balance of Aircraft  23 Veight and Balance of Aircraft  24 Communication  24 Communication  24 Communication  24 Communication  25 Communication  25 Communication  26 Communication  27 Communication  27 Communication  27 Communication  28 KSA Assessment  28 KSA Assessment  28 KSA Assessment  29 Communication with communication and surveillence experience of the air segment discraft systems) and from the prespective of pound infrastructure (ground systems), which topother create the necessary prevoquisities for ensuring side, efficient and economical air transport.  21 KSA Asessment  21 LOR-12 Weight and Aircraft Systems and Aircraft Syste		,		
21FRS-E Communication Management of Bight, hotologis and arrivats, instrument approaches, performance based novigation, weather consideration, flight planning and monitoring, effective brieful properties, communication procedures, CFIT prevalent, decompanies of the planning and monitoring, effective briefuls, phraseology difference, so local communication procedures, CFIT prevalent, decompanies of the planning and monitoring, effective briefuls, phraseology difference, so local communication procedures, CFIT prevalent, decompanies of the planning and monitoring, effective briefuls, phraseology difference, so local communication procedures, CFIT prevalent, decompanies, and the projection of maps, times under the planning and monitoring, effective briefuls, phraseology difference, so local control, and planning of the planning and monitoring, effective briefuls, phraseology difference, so local control, and planning of the planning and monitoring, effective briefuls, phraseology difference, so local control, and planning and monitoring, effective brieful programments and the planning and monitoring, effective brieful programments and symbols, declination; speed, wind components and word drift. PFR communication of the planning and monitoring and monitoring and planning of read of aircraft, fight documentation—bushbest, terriporial policy and planning and monitoring and planning and monitoring. PFR communication of read of aircraft, fight documentation—obstance, society and planning and monitoring and planning and monitoring and planning and monitoring and planning and monitoring and planning		,		
This course supplements Learning objectives laid down in Commission Regulation (EU) No 1178/2011. Instrument Approximate, entrous fight, including and arrivals, instrument approximate, performance based anniquision, vesiblent consideration, flight planning and monitoring, effective bridings, phraseology differences, performance based anniquision, vesiblent consideration, flight planning and monitoring, effective bridings, phraseology differences, learning and provided to the property of the provided of a facetal. Right documentation - loadstakes, trinshees, securing of load, determination of control of acrost. Right documentation - loadstakes, trinshees, securing of load, determination of control of acrost. Right documentation - loadstakes, trinshees, securing of load, determination of control of acrost. Right documentation - loadstakes, trinshees, securing of load, determination of control of acrost. Right documentation - loadstakes, trinshees, securing of load, determination of control of acrost. Right documentation - loadstakes, trinshees, securing of load, determination of control of acrost. Right documentation - loadstakes, trinshees, securing of load, determination of control of acrost. Right documentation - loadstakes, trinshees, securing of load, determination of loadstakes and trinshees of loadstakes. The performance is of the provided of loadstakes of loadstakes and trinshees of loadstakes. The performance is of loadstakes and trinshees of loadstakes. The performance is of loadstakes and trinshees of loadstakes. The performance is of loadstakes and trinshees of loadstakes and loadstakes. The performance is of loadstakes and loadstakes and loadstakes of loadstakes and loadstakes and loadstakes. The loadstakes and loadstakes and loadsta		, ,		
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Displaced by Primage Displaced by differences, lost communication procedures, CFT prevention, decompression   XZ   2				
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2/14A/E   Salacit farms of mass and balance, basic aircraff masses, weighing and maximum aircraft masses, ordereding of aircraft, standard weights of passenger, baggage and row, determination of load of aircraft. flight documentation - loadsheet, trimsheet, securing of load, determination of centre of gravity, influence of centre of gravity position on aircraft performance. IFR Communication of load of aircraft. flight documentation - loadsheet, trimsheet, securing of load, determination of centre of gravity, influence of centre of gravity position on aircraft performance. IFR flights, Radar procedural phraseology, Standard phraseology and Microse code, Practical IFR radioblephony procedures in normal and emergency situations. If the procedural phraseology, Standard phraseology and Microse code, Practical IFR radioblephony procedures in normal and emergency situations. If the procedure is normal and emergency situations. If the procedure is normal and emergency situations of the procedure in normal and emergency situations. If the procedure is normal and emergency situations of the air segment (aircraft systems) and from the perspective of ground infrastructural (organic systems, which together create the necessary prerequisites for ensuring side, fictions and connomical air transport.  21KSAVE   Communication Management of flight path. Automation of flight. Leaderships and tearmwork. Problem solving. Decision making. Situation awarness. Workload management. Upset preventation. Natural performance on the process procedure on continuous reading specialized tests, vocabulary extension of technical English, terminology in the sphere of aircraft contraction, principles of flight, aircraft engines, instruments and systems, analyses relating to topic of air traffic, operational procedures, relevant legislation procedures, relevant legislation, principles of flight, aircraft engines, instruments and systems, analyses relating to topic of air traffic, operational procedures, relevant legislation procedures, procedures,				1
Sacio temos d'mass and balance, basic aircraft masses, weighing and maximum aircrafts masses, overloading of aircraft, standard weights of passenger, begagge and crew, obtermination of load of aircraft, flight documentation - loadsheet, trimiseder, sociaring of load, determination of centre of gravity, influence of centre of gravity position on aircraft performance.  21 FRC-E    FR Communication   KZ   2  2-berindors, Terms, Abbreviations, C-codes, Transport message categories, it interests on technique, Transmission of letters, numbers, time and symbols, Standard words and phrases for IFR flights, Rudar procedural phraseology, Standard phraseology and Morse code, Practical IFR radiotelephory procedures in normal and emergency plautations.  21 FRSIAVE   Communication and Surveillance Systems in Aviation   ZK   3  21 FRSIAVE   Standard phraseology, Standard phraseology, Standard phraseology and Morse code, Practical IFR radiotelephory procedures in normal and emergency plautations.  21 FRSIAVE   Standard phraseology, St		VFR route selection; position plotting.		
of load of aircraft, flight documentation - loadsheet, trimsheet, securing of load, determination of centre of grawly, influence of centre of grawly position on aircraft performance.  21 FRC   FR Communication   FR Communication   KZ   2    22 Definitions, Terms, Abbreviations, Q-codes, Transport message categories, Transmission technique, Transmission of letters, numbers, time and symbols, Standard words and phrases for irR flights, Radar procedural phraseology as More occupied. Practical FR radiotelephory procedures in normal and emergency situations.  21 KPSL-E   Communication and Surveillance Systems both from the perspective of the air segment cliercraft systems and from the perspective of ground infrastructure (ground systems), which together creates the necessary prerequisites for ensuring sade, efficient and economical air transport.  21 KSAVE   KSA Assessment   Z, Z/K   2    21 Communication. Management of flight path. Automation of flight, Leadership and teamwork. Problem solving. Decision making. Situation awarness. Workhoad management. Upset preventation and recovery training. Mental math.  21 LAP1-E   Aviation English for Professional Pilot 1   Z   2    2 Exercises focused on continuous reading specialized texts, vocabulary extension of technical English, terminology in the sphere of aircraft construction, principles of flight, aircraft agriess, instruments and systems, sinalyzes rolating to topics of air traffic, operational procedures, relevant legislation and operators procedures.  21 LAP2-E   Aviation English for Professional Pilot 2   Z, Z/K   3    21 LCM-E   Aircraft Englines   Aircraft Englines   Aircraft Englines   Z, Z/K   3    31 kircraft structural and conceptual design types - definitions and basic knowledge of the problem, Development of requirements, sicraft definitions and categorisation. Aircraft today on schemes, operational characteristics. Fullipse control, Aircraft today of the problem in area of aircraft structural and national standards. Static solidity of aircraft structural				_
21LPX3-E  21FRC-E  22Inditions, Terms, Abbreviations, Q-codes, Transport message categories, Transmission technique, Transmission of letters, numbers, time and symbols, Standard words and phrases for IFR flights, Radar procedural phraseology, 3rd Morse code, Practical IFR radiotelephory procedures in normal and emergency situations.  21KPSL-E  Communication and Surveillance Systems in Aviation  ZK  3  21KPSL-E  Communication and surveillance Systems in Aviation  ZK  3  XZ  21KSAVE  KSAVE  KSA Assessment  Z,ZK  2  Communication. Management of flight path. Automation of flight, Leadership and teamwork. Problem solving, Decision making, Situation awarness, Workload management, Upset prevention, and acceptance of the necessary prerequisities for ensuring safe, efficient and economical air transport.  21LAP1-E  Aviation English for Professional Pilot 1  Z  2 Exercises focused on continuous reading specialized tests, vocabulary exertains to technical English, terminology in the sphere of aircraft construction, principles of light, aircraft englise, instruments and systems, analyzes relating to tertoic of air frating, comparational procedures, relevant teglislation and operators procedures.  21LAP2-E  Aviation English for Professional Pilot 1  Aircraft Engines  Aircraft Engines on survey and explanation and smoother communication within VFR and if FR communication, communication in characterictics. Turbine engine, theoretical background, operational characteristics and construction schemes, Propellers, operational characterictics. Turbine engine, theoretical background, dependent on the processional supervision. Legislation in districts and construction schemes, poperational characteristics. Surbejet and furbider engines, basic construction modules, and their operational characteristics. Surbejet and furbider engines, basic construction modules, and their operational character				
Selections, Terms, Abbreviations, O-codes, Transport message categories, Transmission technique, Transmission technique, Transmission technique, Transmission of laters, numbers, time and symbols, Standard worsts and phraseology and Mores code, Practical IFR andicitelephory procedures in normal and emergency situations.  2 IKPSL-E Communication and Surveillance Systems in Aviation  7 Ikm or a surveillance of the air segment (aircraft systems) and from the perspective of the air segment (aircraft systems) and from the perspective of ground from the perspective of ground surveillance systems, which together create the necessary presentations are recovery realing to the communication and surveillance systems both from the perspective of the air segment (aircraft systems) and from the perspective of ground surveillance and systems, which together create the necessary presentations and recovery training Mental math.  2 IKSA ASSESSMENT  2 ILLAP1-E Aviation English for Professional Pilot 1  2 2 2 Exercises focused on continuous reading specialized teats, vocabulary extension of technical English, terminology in the sphere of aircraft construction, principles of flight, aircraft englines, instruments and systems, analyzes relating to trojects of air traffic, operational procodures, relevant legislation and operators procedures.  2 ILLAP2-E Aviation English for Professional Pilot 2  2 ILLAP2-E Aviation english, theoretical background, operational characteristics and construction schemes. Propellers, operational characteristics, English control, thermal cycles, construction schemes, operational characteristics, Turbine english, theoretical background, thermal cycles, construction schemes, operational cha				
to IRR flights. Radar procedural phraseology, Standard phraseology and Morse code, Practical IFR radictatelephony procedures in normal and emergency situations.  21KPSL-E Communication and surveillance systems in Aviation   ZK   3 The course acquaints students with communication and surveillance systems both from the perspective of the air segment (aircraft systems) and from the perspective of ground infrastructure (ground systems), which together create the necessary prerequisites for ensuring sale, efficient and economical air transport.  21KSAV-E   Communication. Management of flight path. Automation of flight Leadership and tearmwork. Problem solving, Decision making. Situation awarness. Workload management. Upset preventation and recovery training. Mental math.  21LP1-E   Aviation English for Professional Pilot 1   Z   2 Exercises focused on continuous reading specialized texts, vocabulary extension of technical English, terminology in the sphere of aircraft construction, principles of flight, aircraft engines, instruments and systems, analyzes relating to topics of air raffic, operational procedures, relevant legislation and operators procedures.  21LAP2-E   Aviation English for Professional Pilot 2   Z,ZK   3 Aircraft English engine, theoretical background, operational characteristics and construction schemes, Propellers, operational characteristics. Turbine engine, theoretical background, thermal cycles, construction schemes, poerational characteristics. Turbine engine, theoretical background in the process on construction schemes, portational characteristics. Turbine engine, theoretical background coperational characteristics and construction schemes. Propellers, operational characteristics. Engine control.  21LDA1-E   Aircraft Standard Static Stat	-			
21KPSLE Communication and Surveillance Systems in Aviation infrastructure (ground systems), which together create the necessary presentage to the air segment (aircraft systems) and from the perspective of the air segment (aircraft systems) and from the perspective of ground systems), which together create the necessary presentagines are resulting state. efficient and economical air transport.  21KSAVE KSA Assessment Z,ZK 2  Communication, Management of flight path, Automation of flight Leadership and teamwork. Problem solving, Decision making, Situation awarness, Workload management. Upset preventation and recovery training, Mental math.  21LAP1-E Aviation English for Professional Pilot 1 Z 2  Esercises focused on continuous reading specialized texts, vocabulary extension of technical English, terminology in the sphere of aircraft construction, principles of flight, aircraft englises, instruments and systems, analyzes relating to topics of air traffic, operational procedures, relevant legislation and operators procedures.  21LAP2-E Aviation English for Professional Pilot 2 Z,ZK 3  Exercises focused on repetition and smoother communication within VFR and IFK communication, communication with technical staff at the airport, a fluent conversation within the airlines.  21LCM-E Aircraft Englines Aircraft Englines Aircraft English procedures, relevant legislation and operators procedures.  21LDA1-E Aircraft Englines Aircraft Englines Aircraft English procedures are devoted to aeroplane topics.  21LDA1-E Aircraft Englines Aircraft Englines Aircraft Englines Aircraft Englines Aircraft behind their operational characteristics. Turbine engline, thereteristical background, termal cycles, construction schemes, operational characteristics. Turbine engline, thereteristical background termal cycles, construction and conceptual design types - definitions and basic knowledge of the problem. Development of requirements, aircraft definitions and categoristion. Aircraft Logarisms Systems of primary and secondary airframe structur				
The course acquaints students with communication and surveillance systems both from the perspective of the air segment (aircraft systems) and from the perspective of ground infrastructure (ground systems), which together create the necessary prerequisities for ensuring safe, efficient and economical air transport.  21KSAV-E   KSA Assessment   Z,ZK   2 Communication. Management of flight path, Automation of flight. Leadership and tearmork. Problem solving, Decision making, Situation awarness. Workload management. Upset preventions and recovery training, Mental math.  21LAP1-E   X-Vaition English for Professional Pilot 1   Z   2 Exercises focused on continuous reading specialized texts, vocabulary extension of technical English, terminology in the sphere of aircraft construction, principles of flight, aircraft engines, instruments and systems, analyzes relating to topics of air traffic, operational procedures, relevant legislation and operators procedures.  21LAP2-E   Aviation English for Professional Pilot 2   Z,ZK   3 Exercises focused on repetition and smoother communication within VFR and FR communication, communication with technical staff at the airport, a fluent conversation within the airlines.  21LCM-E   Aircraft Englises   Aircraft Englises   Aircraft Englises   Z,ZK   3 Aircraft piston engine, theoretical background, operational characteristics and construction schemes, Propellers, operational characteristics. Turbine engine, theoretical background, thermal cycles, construction schemes, operational characteristics. Engine control, 21LDA1-E   Aircraft 1   Z,ZK   3 Aircraft structural and conceptual design types - definitions and basic knowledge of the problem. Development of requirements, aircraft definitions and categorisation. Aircraft loadings. Systems of primary and secondary airframe structure. Airframe and propulsion unit Lectures are devoted to aeroplane topics.  21LDA2-E   Aircraft 2   Aircraf				
2/1KSAV-E   KSA Assessment   Z,ZK   2 Communication. Management of flight path. Automation of flight. Leadership and tearmork. Problem solving. Decision making. Situation awarness. Workload management. Upset preventation and recovery training. Mental math.  2/1LAP1-E   Aviation English for Professional Pilot 1   Z   2 Exercises focused on continuous reading specialized texts, vocabulary extension of technical English, terminology in the sphere of aircraft construction, principles of flight, aircraft engines, instruments and systems, analyzes relating to topics of air traffic, operational procedures, relevant legislation and operators procedures.  2/1LAP2-E   Aviation English for Professional Pilot 2   Z,ZK   3 Exercises focused on repetition and smoother communication within VPR and IPR communication, com		•		
Communication. Management of flight path. Automation of flight. Leadership and tearwork. Problem solving. Decision making. Situation awarness. Workload management. Upset preventation and recovery training. Mental math.  21LAP1-E  Aviation English for Professional Pilot 1  Z  2  Exercises focused on continuous reading specialized texts, vocabulary extension of technical English, terminology in the sphere of aircraft construction, principles of flight, aircraft engines, instruments and systems, analyzes relating to topics of air traffic, operational procedures, relevant legislation and operators procedures.  21LAP2-E  Aviation English for Professional Pilot 2  Z,ZK 3  Exercises tocused on repetition and smoother communication within VFR and IFR communication, communication with technical staff at the airport, a fluent conversation within the airlines.  21LCM-E  Aircraft Engines  Z,ZK 3  Aircraft projects, construction schemes, operational characteristics and construction schemes. Propellers, operational characteristics. Engine control.  21LDA1-E  Aircraft 1  Aircraft 1  Aircraft 1  Aircraft 1  Aircraft 1  Aircraft 2  Aircraft structural and conceptual design types - definitions and basic knowledge of the problem. Development of requirements, aircraft definitions and categorisation. Aircraft loadings. Systems of primary and secondary airframe structure. Airframe and propulsion unit. Lectures are devoted to aeroplane topics.  21LDA2-E  Aircraft 2  Aircraft 2  Aerodromes  Basic definitions. Applicability. Airport design. Reference code. Declared distances of rurways (RWY). Taxiways and aprons. Clearway Stopway Markings of movement areas. Markings. Signs. Markers. Visual aids for denoting obstacles. Obstacle restriction, removal. Visual aids for denoting obstacles. Vostacle restriction, removal. Visual aids for denoting obstacles. Obstacle restriction, removal. Visual aids for denoting obstacles. Visual approach slope indicator systems. Rurway lights. Taxiway lights. Tixiavia print in the relevant boff of the origina		infrastructure (ground systems), which together create the necessary prerequisites for ensuring safe, efficient and economical air t	ransport.	
Preventation and recovery training. Mental math.  21LAP1-E				1
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Exercises focused on continuous reading specialized texts, vocabulary extension of technical English, terminology in the sphere of aircraft construction, principles of flight, aircraft engines, instruments and systems, analyzes relating to topics of air traffic, operational procedures, relevant legislation and operators procedures.  21LAP2-E	211 A D1 E	. , ,	7	2
engines, instruments and systems, analyzes relating to topics of air traffic, operational procedures, relevant legislation and operators procedures.  21LAP2-E  Exercises focused on repetition and smoother communication within VFR and IFR communication, communication with technical staff at the airport, a fluent conversation within the airlines.  21LCM-E  Aircraft Engines  Aircraft Engines  Aircraft Engines  Aircraft piston engine, theoretical background, operational characteristics and construction schemes. Propellers, operational characterictics. Turbine engine, theoretical background, thermal cycles, construction schemes, operational characteristics. Turbine engine, theoretical background, thermal cycles, construction schemes, operational characteristics. Turbine engine, theoretical background, thermal cycles, construction schemes, operational characteristics. Engine control.  21LDA1-E  Aircraft 1  Aircraft 1  Aircraft 1  Aircraft 1  Aircraft 1  Aircraft 1  Aircraft 2  Aircraft 3  Airc		ı	_	1
Exercises focused on repetition and smoother communication within VFR and IFR communication, communication with technical staff at the airport, a fluent conversation within the airlines.  21LCM-E   Aircraft Engines   Aircraft Engine control.  21LDA1-E   Aircraft Structural and conceptual design types - definitions and basic knowledge of the problem. Development of requirements, aircraft definitions and categorisation. Aircraft loadings. Systems of primary and secondary airframe structure, Airframe and propulsion unit. Lectures are devoted to aeroplane topics.  21LDA2-E   Aircraft Structural Engines   Aircraft Engi				,
airlines.  21LCM-E   Aircraft Engines   Aircraft Engines   Z,ZK   3  Aircraft piston engine, theoretical background, operational characteristics and construction schemes. Propellers, operational characteristics. Engine control.  21LDA1-E   Aircraft 1   Aircraft	21LAP2-E	Aviation English for Professional Pilot 2	Z,ZK	3
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thermal cycles, construction schemes, operational characteristics. Turbojet and turbofan engines, basic construction modules, and their operational characteristics. Engine control.  21LDA1-E  Aircraft 1  Aircraft 1  Aircraft 1  Aircraft 1  Aircraft 1  Aircraft structural and conceptual design types - definitions and basic knowledge of the problem. Development of requirements, aircraft definitions and categorisation. Aircraft loadings. Systems of primary and secondary airframe structure. Airframe and propulsion unit. Lectures are devoted to aeroplane topics.  21LDA2-E  Aircraft 2  Aircraft 2  Aircraft 2  Aunulacturers responsibility, responsibility of operator and professional supervising. Legislation in area of airworthiness. International and national standards. Static solidity of aircraft structures. Aeroelasticity. Inherent and operational reliability of aircraft structure. Fatigue strength. Aircraft structure lifetime presumption.  21LEIS-E  Aerodromes  Aerodromes  Aerodromes  Basic definitions. Applicability. Airport design. Reference code. Declared distances of runways (RWY). Taxiways and aprons. Clearway. Stopway. Markings of movement areas. Markings. Signs. Markers. Visual aids for denoting obstacles. Obstacle restriction, removal. Issual aids for navigation, lights, approach lighting systems. Visual approach slope indicator systems. Runway lights. Taxiway lights. Visual aids for denoting obstacles.  21LEY1-E  Air Law 1  Air Law 1  Air Law 2  Air Law 1  Air Caft Operations  Carl Air, ASA, EUROCONTROL; airworthiness; ICAO Annexes; Commission regulation (EU) 965/2012  21LPTY-E  Aircraft operation for cruise, approach, final approach, missed approach, hoding, PBN, augmented GNSS, aviation charts for IFR flight  21LPX1-E  Flight Training 1  KZ  Practical exercises for improvement of theoretical knowledge in a range of at least PPL(A) of the objects 010 - 090 in accordance with Part FCL. The basics of flight control, dual exercises, solo flights and navigation flig		ı	,	1
Aircraft 1  Aircraft 1  Aircraft 2  Manufacturers responsibility, responsibilities of operator and professional supervising. Legislation in area of airworthiness. International and national standards. Static solidity of aircraft structure. Airframe and propulsion unit. Lectures are devoted to aeroplane topics.  21LDA2-E  Manufacturers responsibility, responsibilities of operator and professional supervising. Legislation in area of airworthiness. International and national standards. Static solidity of aircraft structures. Aeroelasticity. Inherent and operational reliability of aircraft structure. Fatigue strength. Aircraft structure lifetime presumption.  21LEIS-E  Basic definitions. Applicability. Airport design. Reference code. Declared distances of runways (RWY). Taxiways and aprons. Clearway. Stopway. Markings of movement areas. Markings. Signs. Markers. Visual aids for denoting obstacles. Obstacle restriction, removal. Visual aids for navigation, lights, approach lighting systems. Visual approach slope indicator systems. Runway lights. Taxiway lights. Visual aids for denoting obstacles.  21LEY1-E  Air Law; ICAO Doc 7300; ICAO Doc 7500 and 9626; International Organizations: ICAO, IATA, EASA, EUROCONTROL; airworthiness; ICAO Annexes; Commission regulation (EU) 965/2012  21LPTY-E  Aircraft Operations  Aircraft Operations  Aircraft Operations  Aircraft operation for cruise, approach, final approach, missed approach, hodling, PBN, augmented GNSS, aviation charts for IFR flight  21LPX1-E  Flight Training 1  KZ  Practical exercises for improvement of theoretical knowledge in a range of at least PPL(A) of the objects 010 - 090 in accordance with Part FCL. The basics of flight control, dual exercises, solo flights and navigation flights. This course is intended only for long-term student, who are in integrated pilots training and study all courses related to Study field PIL (Professional Pilot) in all three years.  21LPX2-E  Flight Training 2  Flight Training 3  KZ  2  Flight Training 3  KZ  2  Flight Training 3			•	·
Aircraft structural and conceptual design types - definitions and basic knowledge of the problem. Development of requirements, aircraft definitions and categorisation. Aircraft loadings. Systems of primary and secondary airframe structure. Airframe and propulsion unit. Lectures are devoted to aeroplane topics.  21LDA2-E  Manufacturers responsibility, responsibilities of operator and professional supervising. Legislation in area of airworthiness. International and national standards. Static solidity of aircraft structures. Aeroelasticity. Inherent and operational reliability of aircraft structure. Fatigue strength. Aircraft structure lifetime presumption.  21LEIS-E  Aerodromes  Basic definitions. Applicability. Airport design. Reference code. Declared distances of runways (RWY). Taxiways and apross. Clearway. Stopway. Markings of movement areas. Markings. Signs. Markers. Visual aids for denoting obstacles. Obstacle restriction, removal. Visual aids for navigation, lights, approach lighting systems. Visual approach slope indicator systems. Runway lights. Taxiway lights. Visual aids for denoting obstacles.  21LEY1-E  Air Law 1  Air Laricraft Operations  Aircraft Operations  ZK 2  21LPTY-E  Aircraft operation for cruise, approach, final approach , missed approach, hodling, PBN, augmented GNSS, aviation charts for IFR flight  21LPX1-E  Flight Training 1  KZ 2  Practical exercises for improvement of theoretical knowledge in a range of at least PPL(A) of the objects 010 - 090 in accordance with Part FCL. The basics of flight control, dual exercises, emergency procedures, descents and navigation flights. This course is intended only for long-term student, who are in integrated pilots training and study all courses related to Study field PIL (Professional Pilot) in all three years.  21LPX2-E  Flight Training 2  Flight Training 3  KZ 2  Flight Training 3  KZ 2				
Aircraft 2  Manufacturers responsibility, responsibilities of operator and professional supervising. Legislation in area of airworthiness. International and national standards. Static solidity of aircraft structures. Aeroelasticity. Inherent and operational reliability of aircraft structure. Fatigue strength. Aircraft structure lifetime presumption.  21LEIS-E  Basic definitions. Applicability. Airport design. Reference code. Declared distances of runways (RWY). Taxiways and aprons. Clearway. Stopway. Markings of movement areas. Markings. Signs. Markers. Visual aids for denoting obstacles. Obstacle restriction, removal. Visual aids for navigation, lights, approach lighting systems. Visual approach slope indicator systems. Runway lights. Taxiway lights. Visual aids for denoting obstacles.  21LEY1-E  Air Law 1  Aircraft Operations  Aircraft Operations  Aircraft Operations  Aircraft Operations  Aircraft Operations  Flight Training 1  XZ 2  Practical exercises for improvement of theoretical knowledge in a range of at least PPL(A) of the objects 010 - 090 in accordance with Part FCL. The basics of flight control, dual exercises, solo flights and navigation flights. This course is intended only for long-term student, who are in integrated pilots training and study all courses related to Study field PIL (Professional Pilot) in all three years.  21LPX2-E  Flight Training 2  Flight Training 2  KZ 2  Practical exercises for improvement of theoretical knowledge in a range MEP land and IFR from the relevant subjects in accordance with Part FCL. The basics of instrument flying, dual exercises, emergency procedures, descents and navigation flights. This course is intended only for long-term student, who are in integrated pilots training and study all courses related to Study field PIL (Professional Pilot) in all three years.  21LPX3-E  Flight Training 3  KZ 2  Flight Training 3  KZ 2				-
Manufacturers responsibility, responsibilities of operator and professional supervising. Legislation in area of airworthiness. International and national standards. Static solidity of aircraft structures. Aeroelasticity. Inherent and operational reliability of aircraft structure. Fatigue strength. Aircraft structure lifetime presumption.  21LEIS-E  Basic definitions. Applicability. Airport design. Reference code. Declared distances of runways (RWY). Taxiways and aprons. Clearway. Stopway. Markings of movement areas. Markings. Signs. Markers. Visual aids for denoting obstacles. Obstacle restriction, removal. Visual aids for navigation, lights, approach lighting systems. Visual approach slope indicator systems. Runway lights. Taxiway lights. Visual aids for denoting obstacles.  21LEY1-E  Air Law 1  Air CAO Doc 7300; ICAO Doc 7500 and 9626; International Organizations: ICAO, IATA, EASA, EUROCONTROL; airworthiness; ICAO Annexes; Commission regulation (EU) 965/2012  21LPTY-E  Aircraft Operations  Aircraft Operations  Aircraft operation for cruise, approach, final approach, missed approach, hodling, PBN, augmented GNSS, aviation charts for IFR flight  21LPX1-E  Flight Training 1  KZ  Practical exercises for improvement of theoretical knowledge in a range of at least PPL(A) of the objects 010 - 090 in accordance with Part FCL. The basics of flight control, dual exercises, solo flights and navigation flights. This course is intended only for long-term student, who are in integrated pilots training and study all courses related to Study field PIL (Professional Pilot) in all three years.  21LPX2-E  Flight Training 2  Flight Training 3  KZ  2  2  Practical exercises for improvement of theoretical knowledge in a range MEP land and IFR from the relevant subjects in accordance with Part FCL. The basics of instrument flying, dual exercises, emergency procedures, descents and navigation flights. This course is intended only for long-term student, who are in integrated pilo				
Structures. Aeroelasticity. Inherent and operational reliability of aircraft structure. Fatigue strength. Aircraft structure lifetime presumption.  21LEIS-E  Aerodromes  Basic definitions. Applicability. Airport design. Reference code. Declared distances of runways (RWY). Taxiways and aprons. Clearway. Stopway. Markings of movement areas.  Markings. Signs. Markers. Visual aids for denoting obstacles. Obstacle restriction, removal. Visual aids for navigation, lights, approach lighting systems. Visual approach slope indicator systems. Runway lights. Taxiway lights. Visual aids for denoting obstacles.  21LEY1-E  Air Law 1  Air Law 1  Air Law 1  Air Lay 1  Air Lay (CAO Doc 7300; ICAO Doc 7500 and 9626; International Organizations: ICAO, IATA, EASA, EUROCONTROL; airworthiness; ICAO Annexes; Commission regulation (EU) 965/2012  21LPTY-E  Aircraft operations  Aircraft Operations  Aircraft operations  Flight Training 1  XZ  Practical exercises for improvement of theoretical knowledge in a range of at least PPL(A) of the objects 010 - 090 in accordance with Part FCL. The basics of flight control, dual exercises, solo flights and navigation flights. This course is intended only for long-term student, who are in integrated pilots training and study all courses related to Study field PIL (Professional Pilot) in all three years.  21LPX2-E  Practical exercises for improvement of theoretical knowledge in a range MEP land and IFR from the relevant subjects in accordance with Part FCL. The basics of instrument flying, dual exercises, emergency procedures, descents and navigation flights. This course is intended only for long-term student, who are in integrated pilots training and study all courses related to Study field PIL (Professional Pilot) in all three years.  Flight Training 3  KZ  2  Practical exercises for improvement of theoretical knowledge in a range MEP land and IFR from the relevant subjects in accordance with Part FCL. The basics of instrument flying, dual exercises, emergency procedures, descents and navigation f				
Aerodromes Basic definitions. Applicability. Airport design. Reference code. Declared distances of runways (RWY). Taxiways and aprons. Clearway. Stopway. Markings of movement areas. Warkings. Signs. Markers. Visual aids for denoting obstacles. Obstacle restriction, removal. Visual aids for navigation, lights, approach lighting systems. Visual approach slope indicator systems. Runway lights. Taxiway lights. Visual aids for denoting obstacles.  21LEY1-E Air Law 1 Air CAO Doc 7300; ICAO Doc 7500 and 9626; International Organizations: ICAO, IATA, EASA, EUROCONTROL; airworthiness; ICAO Annexes; Commission regulation (EU) 965/2012  21LPTY-E Aircraft Operations Aircraft operations Aircraft operation for cruise, approach, final approach, missed approach, hodling, PBN, augmented GNSS, aviation charts for IFR flight  21LPX1-E Flight Training 1 KZ 2 Practical exercises for improvement of theoretical knowledge in a range of at least PPL(A) of the objects 010 - 090 in accordance with Part FCL. The basics of flight control, dual exercises, solo flights and navigation flights. This course is intended only for long-term student, who are in integrated pilots training and study all courses related to Study field PIL (Professional Pilot) in all three years.  21LPX2-E Practical exercises for improvement of theoretical knowledge in a range MEP land and IFR from the relevant subjects in accordance with Part FCL. The basics of instrument flying, dual exercises, emergency procedures, descents and navigation flights. This course is intended only for long-term student, who are in integrated pilots training and study all courses related to Study field PIL (Professional Pilot) in all three years.  21LPX3-E Flight Training 3 KZ 2	Manufacturers resp			ity of aircraft
Basic definitions. Applicability. Airport design. Reference code. Declared distances of runways (RWY). Taxiways and aprons. Clearway. Stopway. Markings of movement areas. Warkings. Signs. Markers. Visual aids for denoting obstacles. Obstacle restriction, removal. Visual aids for navigation, lights, approach lighting systems. Visual approach slope indicator systems. Runway lights. Taxiway lights. Visual aids for denoting obstacles.  21LEY1-E	241 510 5			
Markings. Signs. Markers. Visual aids for denoting obstacles. Obstacle restriction, removal. Visual aids for navigation, lights, approach lighting systems. Visual approach slope indicator systems. Runway lights. Taxiway lights. Visual aids for denoting obstacles.  21LEY1-E				
Air Law 1 Air Law 1 Air Law 1 Air Law 1 Air Law; ICAO Doc 7300; ICAO Doc 7500 and 9626; International Organizations: ICAO, IATA, EASA, EUROCONTROL; airworthiness; ICAO Annexes; Commission regulation (EU) 965/2012  21LPTY-E Aircraft Operations Aircraft Operations Aircraft operation for cruise, approach, final approach, missed approach, hodling, PBN, augmented GNSS, aviation charts for IFR flight  21LPX1-E Flight Training 1 KZ 2 Practical exercises for improvement of theoretical knowledge in a range of at least PPL(A) of the objects 010 - 090 in accordance with Part FCL. The basics of flight control, dual exercises, solo flights and navigation flights. This course is intended only for long-term student, who are in integrated pilots training and study all courses related to Study field PIL (Professional Pilot) in all three years.  21LPX2-E Flight Training 2 Fractical exercises for improvement of theoretical knowledge in a range MEP land and IFR from the relevant subjects in accordance with Part FCL. The basics of instrument flying, dual exercises, emergency procedures, descents and navigation flights. This course is intended only for long-term student, who are in integrated pilots training and study all courses related to Study field PIL (Professional Pilot) in all three years.  21LPX3-E Flight Training 3 KZ 2			-	
Air Law; ICAO Doc 7300; ICAO Doc 7500 and 9626; International Organizations: ICAO, IATA, EASA, EUROCONTROL; airworthiness; ICAO Annexes; Commission regulation (EU) 965/2012  21LPTY-E   Aircraft Operations   ZK   2   Aircraft operation for cruise, approach, final approach, missed approach, hodling, PBN, augmented GNSS, aviation charts for IFR flight  21LPX1-E   Flight Training 1   KZ   2   Practical exercises for improvement of theoretical knowledge in a range of at least PPL(A) of the objects 010 - 090 in accordance with Part FCL. The basics of flight control, dual exercises, solo flights and navigation flights. This course is intended only for long-term student, who are in integrated pilots training and study all courses related to Study field PIL (Professional Pilot) in all three years.  21LPX2-E   Flight Training 2   KZ   2   Practical exercises for improvement of theoretical knowledge in a range MEP land and IFR from the relevant subjects in accordance with Part FCL. The basics of instrument flying, dual exercises, emergency procedures, descents and navigation flights. This course is intended only for long-term student, who are in integrated pilots training and study all courses related to Study field PIL (Professional Pilot) in all three years.  21LPX3-E   Flight Training 3   KZ   2		systems. Runway lights. Taxiway lights. Visual aids for denoting obstacles.		
21LPTY-E Aircraft Operations ZK 2 Aircraft operation for cruise, approach, final approach, missed approach, hodling, PBN, augmented GNSS, aviation charts for IFR flight  21LPX1-E Flight Training 1 KZ 2 Practical exercises for improvement of theoretical knowledge in a range of at least PPL(A) of the objects 010 - 090 in accordance with Part FCL. The basics of flight control, dual exercises, solo flights and navigation flights. This course is intended only for long-term student, who are in integrated pilots training and study all courses related to Study field PIL (Professional Pilot) in all three years.  21LPX2-E Flight Training 2 Practical exercises for improvement of theoretical knowledge in a range MEP land and IFR from the relevant subjects in accordance with Part FCL. The basics of instrument flying, dual exercises, emergency procedures, descents and navigation flights. This course is intended only for long-term student, who are in integrated pilots training and study all courses related to Study field PIL (Professional Pilot) in all three years.  21LPX3-E Flight Training 3 KZ 2	21LEY1-E	Air Law 1	ZK	3
Aircraft Operations Aircraft Operations Aircraft Operations Aircraft operation for cruise, approach, final approach, missed approach, hodling, PBN, augmented GNSS, aviation charts for IFR flight  21LPX1-E Flight Training 1 Flight Training 1 Fractical exercises for improvement of theoretical knowledge in a range of at least PPL(A) of the objects 010 - 090 in accordance with Part FCL. The basics of flight control, dual exercises, solo flights and navigation flights. This course is intended only for long-term student, who are in integrated pilots training and study all courses related to Study field PIL (Professional Pilot) in all three years.  21LPX2-E Flight Training 2 Fractical exercises for improvement of theoretical knowledge in a range MEP land and IFR from the relevant subjects in accordance with Part FCL. The basics of instrument flying, dual exercises, emergency procedures, descents and navigation flights. This course is intended only for long-term student, who are in integrated pilots training and study all courses related to Study field PIL (Professional Pilot) in all three years.  21LPX3-E Flight Training 3 KZ 2	Air Law; ICAO Do		Commission regul	lation (EU)
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Practical exercises for improvement of theoretical knowledge in a range of at least PPL(A) of the objects 010 - 090 in accordance with Part FCL. The basics of flight control, dual exercises, solo flights and navigation flights. This course is intended only for long-term student, who are in integrated pilots training and study all courses related to Study field PIL (Professional Pilot) in all three years.  21LPX2-E Flight Training 2 Flight Training 2  Practical exercises for improvement of theoretical knowledge in a range MEP land and IFR from the relevant subjects in accordance with Part FCL. The basics of instrument flying, dual exercises, emergency procedures, descents and navigation flights. This course is intended only for long-term student, who are in integrated pilots training and study all courses related to Study field PIL (Professional Pilot) in all three years.  21LPX3-E Flight Training 3 KZ 2	ZILPTY-E	· ·		2
Practical exercises for improvement of theoretical knowledge in a range of at least PPL(A) of the objects 010 - 090 in accordance with Part FCL. The basics of flight control, dual exercises, solo flights and navigation flights. This course is intended only for long-term student, who are in integrated pilots training and study all courses related to Study field PIL (Professional Pilot) in all three years.  21LPX2-E Flight Training 2 Flight Training 2 Fractical exercises for improvement of theoretical knowledge in a range MEP land and IFR from the relevant subjects in accordance with Part FCL. The basics of instrument flying, dual exercises, emergency procedures, descents and navigation flights. This course is intended only for long-term student, who are in integrated pilots training and study all courses related to Study field PIL (Professional Pilot) in all three years.  21LPX3-E Flight Training 3 KZ 2	21I PX1-F			2
exercises, solo flights and navigation flights. This course is intended only for long-term student, who are in integrated pilots training and study all courses related to Study field PIL (Professional Pilot) in all three years.  21LPX2-E   Flight Training 2   KZ   2  Practical exercises for improvement of theoretical knowledge in a range MEP land and IFR from the relevant subjects in accordance with Part FCL. The basics of instrument flying, dual exercises, emergency procedures, descents and navigation flights. This course is intended only for long-term student, who are in integrated pilots training and study all courses related to Study field PIL (Professional Pilot) in all three years.  21LPX3-E   Flight Training 3   KZ   2				1
Practical exercises for improvement of theoretical knowledge in a range MEP land and IFR from the relevant subjects in accordance with Part FCL. The basics of instrument flying, dual exercises, emergency procedures, descents and navigation flights. This course is intended only for long-term student, who are in integrated pilots training and study all courses related to Study field PIL (Professional Pilot) in all three years.  21LPX3-E  Flight Training 3  KZ  2  KZ  2			ŭ	
Practical exercises for improvement of theoretical knowledge in a range MEP land and IFR from the relevant subjects in accordance with Part FCL. The basics of instrument flying, dual exercises, emergency procedures, descents and navigation flights. This course is intended only for long-term student, who are in integrated pilots training and study all courses related to Study field PIL (Professional Pilot) in all three years.  21LPX3-E  Flight Training 3  KZ  2				
dual exercises, emergency procedures, descents and navigation flights. This course is intended only for long-term student, who are in integrated pilots training and study all courses related to Study field PIL (Professional Pilot) in all three years.  21LPX3-E    KZ   2				
related to Study field PIL (Professional Pilot) in all three years.  21LPX3-E Flight Training 3 KZ 2				
21LPX3-E Flight Training 3 KZ 2	uuai exercises, eff		uaning and Study	an courses
	21LPX3-E		KZ	2
				<u> </u>

21LPX4-E	Flight Training 4	KZ	2
	Deepening of theoretical knowledge and practical examination of progress in professional competence in pilot skills and knowledge		
21LPX5-E	Flight Training 5  Deepening of theoretical knowledge and practical examination of progress in professional competence in pilot skills and knowledge.	KZ edge	2
21LTP2-E	Air Law 2	Z,ZK	3
The course is focus	ed on the issue of commercial commercial air transport in accordance with applicable European legislation. Within the course, the issu	e of EC regulations	is analyzed
in detail File no.	965/2012, regulation no. 1321/2014 and ICAO Annexes, which significantly affect the form, method and structure of commercial air to	ansport and transp	ortation.
21LVPK-E	MCC - Multicrew Cooperation	Z	2
Flight safety analys	is in relation to human factor. MCC - basic principles, phases and methods within the area of air transport. CRM - leadership, situation	al awareness, decis	sion making
	process, communication, effect of stress to the multi-crew performance, standard operational procedures, automation.		
21MEE1-E	Meteorology 1	Z,ZK	3
Composition, size	and vertical structure of the atmosphere. QNH, QFE, QFF, QNE, density and height measurements. Wind, moisture and adiabatic processory, and processory, and processory, and processory, and processory, and vertical structure of the atmospheric fronts. Distribution of pressure, cyclones, anticyclones, non-fronta	_	and types of
21MET2-E	Meteorology 2	Z,ZK	5
1	ropical climatology, meteorological situation of mid-latitudes. Icing, turbulence, wind shear, thunderstorms, tornadoes, flying in the st	· ·	_
	reducing visibility phenomena. Observation, weather maps, important information for flight planning.		
21OBN-E	General Navigation	ZK	5
	de and longitude. Reference systems. Circles on the Earth and distance. Calculations. Time. Magnetism and sirections. Wind and Spe		-
	ation computer conversions, TAS, rates. Calculations: 1 in 60 and navigation computer track and GS. Projections. Charts. VFR navigation		- 1
	use. Navigation display. Navigation in remote and oceanic areas.	· .	
21PKL2-E	Advanced Flying 2	ZK	2
!	res are based on requirements laid down in Commission Regulation (EU) No 1178/2011, subjects 081 and 100. Multi engine aircraft a	nd jet aircraft chara	acteristics,
energy manage	ment, stabilized approach and landing errors, jet - performance - engine out flight, jet - handling - engine out flight go around, UPRT,	volcanic ash, cold	weather
	operations, operation manuals, MEL procedures and deviations, flight time limitation		
21PML-E	Flight Planning and Monitoring	Z,ZK	3
	Flight planning for VFR flights for small, single- and multi-engine aeroplanes	'	
21PPY1-E	Operational Procedures 1	Z,ZK	3
	Annex 6, PART-OPS, Air operator, Aircraft operation, Operating procedures, Airplane equipment, Flight management, Airspa	ice	
21PPY2-E	Operational Procedures 2	ZK	4
Flight document	ation and manuals, Icing and protection of the aircraft against icing, noise abatement procedures, Abnormal and emergency situation	is and procedures,	Runway
	contamination		
21PRJ2-E	Instrumentation 2	ZK	3
Compass, gyrosco	pic instruments (turn indicator, attitude indicator, directional gyro), inertial instruments, recording and monitoring systems, warning sy	stems (TCAS, GP	WS), AFCS
	(autopilot, flight director, autothrust), FMS, flight envelope protection, communication systems, flight computers		
21PRKP-E	Practical Flight Planning	Z,ZK	4
	ice 2. fuel planning, PDP, RIF,RCF 3. ATC FPL 4. Preflight procedure and briefing-NOTAM + weather(METAR,SIGMET) 5. Jeppesen	_	
theory 7. VFR flig	pht planning- ICAO mapa, softwary 8. IFR flight planning- theory 9. PBN- RNAV, RNP 10. IFR flight planning- softwary 11. MRJT- OFF PET, PSR, PNR 14. practical VFR a IFR flight planning	P 12. ETOPS a NAT	Γ HLA 13.
21PUP1-E	Instrumentation 1	ZK	3
Basic classification	and construction of flight instruments, electric systems, power plant sensors and instruments, airframe sensors and instruments, measu	rement of air data	parameters,
	integrated instrument systems.		
21RNV-E	Radionavigation	Z,ZK	4
	nder (VDF), ADF, VOR and Doppler VOR, DME, ILS, MLS, ground ATC radar, weather Radar, SSR and transponder. Radar utilization	•	
Area navigation (F	RNAV) - general philosophy, gauges and equipment, indication and sensors for RNAV, VOR/DME (RNAV). Autopilot and flight director	Satellite navigatio	n, systems
	and backups.		
21SBP-E	Bachelor's Thesis Seminar	Z	1
Work with infor	rmation sources. Citation, citation formats. The methodology of writing the thesis. Presentation of results. Formal requirements for the	sis. Presentation of	f thesis.
	Requirements for journal articles. Publication ethics.		
21SBU1-E	Bachelor Thesis Seminar 1	Z	1
, ,	view, applied research, basic research, thesis dealing with design proposals). Working with citation sources (citation sources, citation		styles, how
	e). Analyzing the state of the art (standards of research writing). Defining the limitations of the state of the art. Introduction to the these		
21VFRC-E	VFR Communication	Z,ZK	4
Course contents	s are based on PART FCL, part 090. It defines terms and abbreviations used in VFR communication. Phraseology and procedures in	standard and non-	standard
24)/EDT E	situations.	7 71/	
21VFRT-E	Theory for VFR Training	Z,ZK	6
	based on PPL(A) theory requirements according to Part-FCL. Lectures cover topics that are necessary to commence the practical part, airframe and powerplant, aircraft systems, instrumentation, mass and balance, performance, air law and ATC procedures, meteoro		-
principles of high	r, airrante and powerplant, airrant systems, instrumentation, mass and balance, performance, airrant and Arc procedures, meteoro navigation, radionavigation, VFR communication, flight planning and monitoring and human factor.	ogy, operational pr	Journal Co.
21VL-E	Aircraft Performance	Z,ZK	4
	All Claft Performance raft performance, basic characteristic speeds, runway characteristics, single and multiengine aircraft performance class B, aircraft per		
	landing performance, after take off and missed approach climb, noise abatement procedures, range of aircraft, drift down, MEL, l		tano on ana
21X31-E	Project 1	Z	2
21X31-E	Project 2	Z	2
	•		
21X33-E	Project 3	Z	2
21Y1BC-E	Aviation safety and security	KZ	2
History o		and the second second second	
041/450 5	f safety and security development in aviation. Modern tools for safety and security management. Research and development of safe		
21Y1BS-E	f safety and security development in aviation. Modern tools for safety and security management. Research and development of safe  Unmanned aircraft systems 1  n Development. Aircraft design. Legislation in force in the Czech Republic. Planning and execution of the flight. Airspace division. Op-	KZ	2

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21Y1MJ-E	Matlab for projects	KZ	2
The subject's sylla	ubus is focused on the problem-solving during bachelor's thesis preparation and it is based on students' requests. Individual exercises	will be prepared	according to
particular examp	oles, based on actual students' needs and suggestions. The subject will have a flexible form, which is expected to bring an improvement	nt of students' M	atlab skills.
21Y1MP-E	Matlab for project-oriented study	KZ	2
The subject's sylla	abus is focused on the problem-solving during bachelor's thesis preparation and it is based on students' requests. Individual exercises	will be prepared	according to
particular examp	oles, based on actual students' needs and suggestions. The subject will have a flexible form, which is expected to bring an improvement	nt of students' M	atlab skills.
21Y1OH-E	Airline Business and Operations	KZ	2
The course provide	es a comprehensive view of the commercial, operational and transportation activities of air transport companies. It focuses on the organiza	ational structure	of companies,
various aspects of	their strategy, economic and operational indicators. It introduces students in detail to operational processes and the essentials of transp	ortation process	es. It provides
	a basic view of the economic aspects of air transport.		
21Y1RZ-E	Human Resources Management	KZ	2
The position of	human resources in the organization and related disciplines file. Substance, importance and challenges of human resources manager	ment. Internal ar	d external
environment of hur	man resource management. Human resource planning. Search, recruitment and selection of employees. Motivation, evaluation and rem	nuneration of stat	f. Positioning,
	dismissed and redundancies of ampleyees. Education of ampleyees. Dismiss covers management		
	dismissal and redundancies of employees. Education of employees. Planning career management.		
21ZKL2-E	Principles of Flight 2	ZK	3
			1
Ways of producing	Principles of Flight 2	ler operation mo	des, propeller
Ways of producing airstream effect	Principles of Flight 2 thrust, propeller, jet propulsion, thrust and momentum, propulsion efficiency, aerodynamics of fixed and variable pitch propeller, propel	ler operation mo	des, propeller
Ways of producing	Principles of Flight 2 thrust, propeller, jet propulsion, thrust and momentum, propulsion efficiency, aerodynamics of fixed and variable pitch propeller, propeller, gyroscopic effect, balance of forces in horizontal flight, glide and landing, performances, take off an climb, acceleration, positive load	ler operation mo	des, propeller
Ways of producing airstream effect  21ZYT1-E Aerodynamic drag	Principles of Flight 2  thrust, propeller, jet propulsion, thrust and momentum, propulsion efficiency, aerodynamics of fixed and variable pitch propeller, propeller, gyroscopic effect, balance of forces in horizontal flight, glide and landing, performances, take off an climb, acceleration, positive load controllability, transsonic speeds.  Principles of Flight 1  In relation between drag and speed, streamline, boundary layer, formula of continuity, formula of Bernoulli, lift and drag, air flow and present the principles of principles of continuity, formula of Bernoulli, lift and drag, air flow and present the principles of principles of continuity, formula of Bernoulli, lift and drag, air flow and present the principles of principles of continuity.	ler operation mo , manoevures, s Z,ZK essures around v	des, propeller ability and
Ways of producing airstream effect  21ZYT1-E Aerodynamic drag	Principles of Flight 2  thrust, propeller, jet propulsion, thrust and momentum, propulsion efficiency, aerodynamics of fixed and variable pitch propeller, propeller, gyroscopic effect, balance of forces in horizontal flight, glide and landing, performances, take off an climb, acceleration, positive load controllability, transsonic speeds.  Principles of Flight 1  In relation between drag and speed, streamline, boundary layer, formula of continuity, formula of Bernoulli, lift and drag, air flow and preforming in air flow, lift and drag of a wing and an aircraft, coefficient of lift and drag, critical angle of attack, wing with final span, induced	ler operation mo , manoevures, s Z,ZK essures around v	des, propeller ability and
Ways of producing airstream effect  21ZYT1-E Aerodynamic drag attack, reactions of	Principles of Flight 2  thrust, propeller, jet propulsion, thrust and momentum, propulsion efficiency, aerodynamics of fixed and variable pitch propeller, propeller, gyroscopic effect, balance of forces in horizontal flight, glide and landing, performances, take off an climb, acceleration, positive load controllability, transsonic speeds.  Principles of Flight 1  In relation between drag and speed, streamline, boundary layer, formula of continuity, formula of Bernoulli, lift and drag, air flow and prefer fiving in air flow, lift and drag of a wing and an aircraft, coefficient of lift and drag, critical angle of attack, wing with final span, induced lift and drag increase.	ler operation mo , manoevures, s Z,ZK essures around v drag, interference	des, propeller ability and 3 ving, angle of e, devices for
Ways of producing airstream effect  21ZYT1-E Aerodynamic drag	Principles of Flight 2  thrust, propeller, jet propulsion, thrust and momentum, propulsion efficiency, aerodynamics of fixed and variable pitch propeller, propeller, gyroscopic effect, balance of forces in horizontal flight, glide and landing, performances, take off an climb, acceleration, positive load controllability, transsonic speeds.  Principles of Flight 1  In relation between drag and speed, streamline, boundary layer, formula of continuity, formula of Bernoulli, lift and drag, air flow and preforming in air flow, lift and drag of a wing and an aircraft, coefficient of lift and drag, critical angle of attack, wing with final span, induced	ler operation mo , manoevures, s Z,ZK essures around v	des, propeller ability and 3
Ways of producing airstream effect  21ZYT1-E Aerodynamic drag attack, reactions of	Principles of Flight 2  thrust, propeller, jet propulsion, thrust and momentum, propulsion efficiency, aerodynamics of fixed and variable pitch propeller, propeller, gyroscopic effect, balance of forces in horizontal flight, glide and landing, performances, take off an climb, acceleration, positive load controllability, transsonic speeds.  Principles of Flight 1  In relation between drag and speed, streamline, boundary layer, formula of continuity, formula of Bernoulli, lift and drag, air flow and prefer fiving in air flow, lift and drag of a wing and an aircraft, coefficient of lift and drag, critical angle of attack, wing with final span, induced lift and drag increase.	ler operation mo , manoevures, s Z,ZK essures around v drag, interference	des, propeller rability and 3 ving, angle of e, devices for
Ways of producing airstream effect  21ZYT1-E Aerodynamic drag attack, reactions of	Principles of Flight 2  thrust, propeller, jet propulsion, thrust and momentum, propulsion efficiency, aerodynamics of fixed and variable pitch propeller, propeller, gyroscopic effect, balance of forces in horizontal flight, glide and landing, performances, take off an climb, acceleration, positive load controllability, transsonic speeds.  Principles of Flight 1  In relation between drag and speed, streamline, boundary layer, formula of continuity, formula of Bernoulli, lift and drag, air flow and present formula in the properties of a wing and an aircraft, coefficient of lift and drag, critical angle of attack, wing with final span, induced lift and drag increase.  Project 1	ler operation mo , manoevures, s  Z,ZK essures around v drag, interference	ability and  3 ving, angle of e, devices for
Ways of producing airstream effect  21ZYT1-E Aerodynamic drag attack, reactions of 22X31-E 22X32-E	Principles of Flight 2  thrust, propeller, jet propulsion, thrust and momentum, propulsion efficiency, aerodynamics of fixed and variable pitch propeller, propel, gyroscopic effect, balance of forces in horizontal flight, glide and landing, performances, take off an climb, acceleration, positive load controllability, transsonic speeds.  Principles of Flight 1  In relation between drag and speed, streamline, boundary layer, formula of continuity, formula of Bernoulli, lift and drag, air flow and preform in air flow, lift and drag of a wing and an aircraft, coefficient of lift and drag, critical angle of attack, wing with final span, induced lift and drag increase.  Project 1  Project 2	ler operation mo , manoevures, s'  Z,ZK essures around v drag, interference  Z Z	des, propeller ability and 3 ving, angle of e, devices for 2 2
Ways of producing airstream effect  21ZYT1-E Aerodynamic drag attack, reactions of  22X31-E 22X32-E 22X33-E	Principles of Flight 2  thrust, propeller, jet propulsion, thrust and momentum, propulsion efficiency, aerodynamics of fixed and variable pitch propeller, propel, gyroscopic effect, balance of forces in horizontal flight, glide and landing, performances, take off an climb, acceleration, positive load controllability, transsonic speeds.  Principles of Flight 1  In relation between drag and speed, streamline, boundary layer, formula of continuity, formula of Bernoulli, lift and drag, air flow and pressing in air flow, lift and drag of a wing and an aircraft, coefficient of lift and drag, critical angle of attack, wing with final span, induced lift and drag increase.  Project 1  Project 2  Project 3	ler operation mo, manoevures, si  Z,ZK essures around v drag, interference  Z Z Z	des, propeller ability and 3 ving, angle of e, devices for 2 2 2

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