Recomended pass through the study plan

Name of the pass: Bachelor Full-Time PIL (EN) from 2022/23

Faculty/Institute/Others:

Department:

Pass through the study plan: Bachelor PIL (EN) Full-Time from 2022/23

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

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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+22B	Z	Z
210BN-E	General Navigation Iveta Kameníková, Denisa Svobodová, Paul Rousseau Paul Rousseau	ZK	5	4P+0C	Z	Z
11GIE-E	Geometry Šárka Vorá ová Šárka Vorá ová Šárka Vorá ová (Gar.)	KZ	3	2P+2C+12B	Z	Z
11LA-E	Linear Algebra Martina Be vá ová Martina Be vá ová (Gar.)	Z,ZK	3	2P+1C+10B	Z	Z
21TVFR-E	Theory for VFR Training	Z,ZK	8	4P+4C	Z	Z
21SVFR-E	VFR Communication	Z	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
21LTP1-E	Air Law 1	KZ	3	3P+0C	L	Z
21LDA1-E	Aircraft 1	Z,ZK	3	2P+1C	L	Z
11CAL2-E	Calculus 2 Magdalena Hykšová	Z,ZK	5	2P+3C	L	Z
21LPX1-E	Flight Training 1	KZ	2	0P+1C	L	Z
15JZ1A-E	Foreign Language - English 1	Z	3	0P+4C+10B	L	Z
21PRJ1-E	Instrumentation 1	ZK	2	2P+0C	L	Z
21CON-E	Navigation Calculations	KZ	2	0P+2C	L	Z
21ZKL1-E	Principles of Flight 1	ZK	3	2P+1C	L	Z
11STAT-E	Statistics	Z,ZK	4	2P+2C	L	Z
21HAV-E	Weight and Balance of Aircraft Denisa Svobodová	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
21EKL-E	Air Transport Economy	Z,ZK	3	2P+1C	Z	Z

21LPTY-E	Aircraft Operations Ladislav Capoušek Ladislav Capoušek	ZK	2	2P+0C	Z	Z
21VL-E	Aircraft Performance Denisa Svobodová, Anna Polánecká Anna Polánecká	Z,ZK	4	2P+2C	Z	Z
21LTA2-E	Aircraft 2	Z,ZK	2	2P+1C	Z	Z
21APL1-E	Aviation English 1 for Professional Pilot	Z	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
15JZ2A-E	Foreign Language - English 2	Z,ZK	3	0P+4C	Z	Z
21PRJ2-E	Instrumentation 2	ZK	3	2P+0C	L,Z	Z
11FYZ-E	Physics Tomáš Vít , Antonio Cammarata, Jana Kuklová, Zuzana Malá Jana Kuklová Pavel Demo (Gar.)	Z,ZK	5	2P+2C+18B	Z	Z
21RDN-E	Radionavigation	Z,ZK	3	3P+1C	Z	Z
11SCFZ-E	Seminar of Physics Tomáš Vít , Antonio Cammarata, Jana Kuklová, Zuzana Malá Tomáš Vít 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
21PKL1-E	Advanced Flying 1	KZ	4	2P+2C	L	Z
21APL2-E	Aviation English 2 for Professional Pilot	Z,ZK	3	0P+4C	L	Z
11EMO-E	Electromagnetic Field and Optics Tomáš Vít	Z,ZK	4	2P+1C	L	Z
21PML-E	Flight Planning and Monitoring Anna Polánecká	Z,ZK	3	2P+2C	L	Z
21LPX3-E	Flight Training 3	KZ	2	0P+1C	L	Z
21LCLT-E	Human Factors in Aviation	ZK	3	3P+0C	L	Z
21SIFR-E	IFR Communication	Z	2	1P+1C	L	Z
21MRG1-E	Meteorology 1	KZ	3	2P+2C	L	Z
11MSP-E	Modeling of Systems and Processes Jana Kuklová	Z,ZK	4	2P+2C	L	Z
11SEMO-E	Seminar of Electromagnetic Field and Optics Tomáš Vít	Z	0	0P+2C	L	ZP
		Min. cours.				
V4 DD DII EN 20/00	Projekty Bc. prezen ní PIL (EN) od 2022/23	3	Min/Max			70
X1-BP-PIL-EN-22/23	11X31-E,12X31-E, (see the list of groups below)	Max. cours.	6/6			Z Z Z Z Z Z Z Z Z Z Z Z Z
		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	ZK	2	2P+0C	L,Z	Z
21LTP2-E	Air Law 2	Z,ZK	3	3P+0C	Z	Z
21SBP-E	Bachelor's Thesis Seminar 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, Peter Morpuss, Marie Michlová, Markéta Musilová, Lenka Monková, Jan Feit, Eva Rezlerová, Markéta Vojanová Marek Tome ek (Gar.)	Z	3	0P+4C	Z	Z
21MET2-E	Meteorology 2 Iveta Kameníková Iveta Kameníková	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, Ota Hajzler Ota Hajzler	Z,ZK	4	2P+2C	Z	Z

21ZKL2-E	Principles of Flight 2	ZK	3	2P+1C	Z	Z
		Min. cours.	Min/Max			
X1-BP-PIL-EN-22/23	Projekty Bc. prezen ní PIL (EN) od 2022/23 11X31-E, 12X31-E, (see the list of groups below)	Max. cours.	6/6			ZP
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)	Min. cours.	Min/Max 4/4			PV

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 members) Tutors, authors and guarantors (gar.)	Completion	Credits	Scope	Semester	Role
21LEIS-E	Aerodromes Ladislav Capoušek	Z,ZK	3	2P+1C	L	Z
21LCM-E	Aircraft Engines	Z,ZK	3	2P+1C	L	Z
14AP-E	Algorithm and Programming	KZ	4	2P+2C	L	Z
21KPSL-E	Communication and Surveillance Systems in Aviation	ZK	3	2P+0C	L	Z
21LPX5-E	Flight Training 5	KZ	2	0P+1C	L	Z
15JZ4A-E	Foreign Language - English 4 Marek Tome ek (Gar.)	Z,ZK	3	0P+4C	L	Z
21KSAV-E	KSA Assessment	Z,ZK	2	0P+2C	L	Z
21LVPK-E	MCC - Multicrew Cooperation	Z	2	2P+1C	L	Z
21PPY2-E	Operational Procedures 2 Ladislav Capoušek	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 12 E14 22/20	11X31-E,12X31-È, (see the list of groups below)	Max. cours.	6/6			21
		3				
		Min. cours.				·
Y1-BP-PIL-EN-24/25	PVP-B Bc. prezen ní PIL (EN) od 2024/25	2	Min/Max			DV/
1 1-DM-MIL-EIN-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 of group (for specificat	of courses a ion see here	nd codes of members of or below the list of cour	this ses) Con	pletion	Credits	Scope	Semester	Role
		<u> </u>				cours.				
X1-BP-PIL-EN-22/23		Projekty Ro	nrezen ní	PIL (EN) od 2022/23		3	Min/Max			ZP
		1 Tojekty DC	. prezen ini	IL (LIV) OU 2022/23	Max	. cours.	6/6			21
						3				
11X31-E	Project 1		12X31-E	Project 1		14X31-E	Pr	oject 1	1	
15X31-E	Project 1		16X31-E	Project 1		17X31-E	Pr	oject 1		
18X31-E	Project 1		20X31-E	Project 1		21X31-E	Pr	oject 1		
22X31-E	Project 1		23X31-E	Project 1		11X32-E	Pr	oject 2		
12X32-E	Project 2		14X32-E	Project 2		15X32-E	Pr	oject 2		
16X32-E	Project 2		17X32-E	Project 2		18X32-E	Pr	oject 2		
20X32-E	Project 2		21X32-E	Project 2		22X32-E	Pr	oject 2		
23X32-E	Project 2		11X33-E	Project 3		12X33-E	Pr	oject 3		
14X33-E	Project 3		15X33-E	Project 3		16X33-E	Pr	oject 3		
17X33-E	Project 3		18X33-E	Project 3		20X33-E	Pr	oject 3		
21X33-E	Project 3		22X33-E	Project 3		23X33-E	Pr	oject 3		
			•	·	Min	cours.	Min/Max			
Y1-BP-PI	IL-EN-24/25	PVP-B Bc.	prezen ní P	IL (EN) od 2024/25		2	4/4			PV

			Ma	x. cours.	
15Y1EH-E	European Integration within Hist	15Y1HE-E	Work Hygiene and Ergonomics in T	15Y1ZV-E	East-West dichotomy: Prelude to
18Y1AM-E	Anatomy, Mobility and Safety of	18Y1EM-E	Experimental Methods in Mechanic	21Y1MJ-E	Matlab for projects
21Y1MP-E	Matlab for project-oriented stud	21Y1OH-E	Airline Business and Operations	15Y1BO-E	Work Safety and Health Protectio
15Y1HL-E	History of Civil Aviation	17Y1LL-E	Logistics of Passenger and Freig	18Y1MT-E	Engineering Materials
18Y1MX-E	Materials in Transportation	18Y1PD-E	Computer Simulations in Transpor	18Y1PS-E	Computer Simulations in Mechanic
21Y1BC-E	Aviation safety and security	21Y1BS-E	Unmanned aircraft systems 1	21Y1RZ-E	Human Resources Management
00Y1XB	Active participation in a scient		-		•

List of courses of this pass:

Code	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
Sequence of real nu	umbers and its limit. Basic properties of mappings. Function of one real variable, its limit and derivative. Geometric properties of n-dim	nensional Euklidear	n space an
Cartesia	in coordinate system. Geometric meaning of the differential of functions several real variables, differential calculus of functions of se	veral real variables	•
11CAL2-E	Calculus 2	Z,ZK	5
-	Newtonian integral, Riemannian integral of the function of one variable, improper Riemannian integral, Riemannian integral in Rn. Pa	•	_
k-dimensional surf	faces in Rn, Riemannian integral over regular surfaces. Line and surface integrals of the second type, Stokes theorems, ordinary diff	ferential equations	of the first
	order, linear differential equations with constant coefficients and its systems		
11EMO-E	Electromagnetic Field and Optics	Z,ZK	4
445/7.5	Electric field. Electric current. Magnetic field. Electromagnetic field. Optics. Basics of solid-state physics.	7 71/	
11FYZ-E	Physics	Z,ZK	5
44015.5	Kinematics, particle dynamics, dynamics of particle systems and rigid body. Continuum mechanics, thermodynamics.	1/7	
11GIE-E	Geometry	KZ	3
Differential geomet	ry of curves - parameterization, the arc of the curve, torsion and curvature, Frenet's trihedron. Kinematics - a curve as a trajectory c acceleration of a particle moving on a curved path.	or the motion, the vi	elocity, and
11LA-E	Linear Algebra	Z,ZK	3
	ar combinations, linear independence, dimension, basis, coordinates). Matrices and operations. Systems of linear equations and the		
cotor opacco (co	their applications. Scalar product. Similarity of matrices (eigenvalues and eigenvectors). Quadratic forms and their classificat		·····a····a
11MSP-E	Modeling of Systems and Processes	Z,ZK	4
	ods and algorithms as a basis for system analysis. Methods for modelling and evaluating the systems in continuous and discrete time		
	e recursive algorithms in solution of differential and difference equations, as an instrument for system description. Practical use of tec	•	
	(MATLAB).		
440057.5	Opening of Physics	7	0
11SCFZ-E	Seminar of Physics	Z	
11SCFZ-E	Seminar of Physics Solving problems on kinematics, particle dynamics, dynamics of particle systems and rigid body. Continuum mechanics, thermody	_	
11SCFZ-E		_	0
11SEMO-E	Solving problems on kinematics, particle dynamics, dynamics of particle systems and rigid body. Continuum mechanics, thermodynamics of particle systems and rigid body.	ynamics.	-
11SEMO-E 11STAT-E	Solving problems on kinematics, particle dynamics, dynamics of particle systems and rigid body. Continuum mechanics, thermodynamics of Electromagnetic Field and Optics Solving problems on electric and magnetic field, electromagnetic field, optics and basics of solid-state physics. Statistics	ynamics. Z Z,ZK	0 4
11SEMO-E 11STAT-E Definition of probabil	Solving problems on kinematics, particle dynamics, dynamics of particle systems and rigid body. Continuum mechanics, thermodynamics of Electromagnetic Field and Optics Solving problems on electric and magnetic field, electromagnetic field, optics and basics of solid-state physics. Statistics Ility, random variable and its description, known distributions, random vector, function of random variable. Methods of point estimation.	ynamics. Z Z,ZK Testing of statistical	0 4 hypothesi
11SEMO-E 11STAT-E Definition of probabil	Solving problems on kinematics, particle dynamics, dynamics of particle systems and rigid body. Continuum mechanics, thermodynamics of Electromagnetic Field and Optics Solving problems on electric and magnetic field, electromagnetic field, optics and basics of solid-state physics. Statistics Clity, random variable and its description, known distributions, random vector, function of random variable. Methods of point estimation. Telephone, linear regression, correlation coefficient, coefficient of determination, the general linear model, statistical inference in linear regression.	ynamics. Z Z,ZK Testing of statistical	0 4 hypothesi
11SEMO-E 11STAT-E Definition of probabil Regression and corr	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 litty, random variable and its description, known distributions, random vector, function of random variable. Methods of point estimation. Trelation, linear regression, correlation coefficient, coefficient of determination, the general linear model, statistical inference in linear remultiple regression, the use of matrices in regression.	Z,ZK Testing of statistical egression, analysis	0 4 hypothesi of variance
11SEMO-E 11STAT-E Definition of probabil Regression and corr	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 lity, random variable and its description, known distributions, random vector, function of random variable. Methods of point estimation. The general linear model, statistical inference in linear regression, correlation coefficient, coefficient of determination, the general linear model, statistical inference in linear regression. Project 1	ynamics. Z Z,ZK Testing of statistical egression, analysis	0 4 hypothesi of variance
11SEMO-E 11STAT-E Definition of probabil Regression and corr 11X31-E 11X32-E	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 Statistics lity, random variable and its description, known distributions, random vector, function of random variable. Methods of point estimation. The general linear model, statistical inference in linear remultiple regression, the use of matrices in regression. Project 1 Project 2	Z,ZK Testing of statistical egression, analysis Z Z	0 4 hypothesi of variance 2 2
11SEMO-E 11STAT-E Definition of probabil Regression and corr 11X31-E 11X32-E 11X33-E	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 Statistics Ility, random variable and its description, known distributions, random vector, function of random variable. Methods of point estimation. The relation, linear regression, correlation coefficient, coefficient of determination, the general linear model, statistical inference in linear remultiple regression, the use of matrices in regression. Project 1 Project 2 Project 3	Z,ZK Testing of statistical egression, analysis Z Z Z Z Z	0 4 hypothesi of variance 2 2 2
11SEMO-E 11STAT-E Definition of probabil Regression and corr 11X31-E 11X32-E 11X33-E 12X31-E	Solving problems on kinematics, particle dynamics, dynamics of particle systems and rigid body. Continuum mechanics, thermodynamics of Electromagnetic Field and Optics Solving problems on electric and magnetic field, electromagnetic field, optics and basics of solid-state physics. Statistics Clity, random variable and its description, known distributions, random vector, function of random variable. Methods of point estimation. The relation, linear regression, correlation coefficient, coefficient of determination, the general linear model, statistical inference in linear remultiple regression, the use of matrices in regression. Project 1 Project 2 Project 3 Project 1	Z,ZK Testing of statistical egression, analysis Z Z Z Z Z	0 4 hypothesi of varianc 2 2 2 2
11SEMO-E 11STAT-E Definition of probabil Regression and corr 11X31-E 11X32-E 11X33-E 12X31-E 12X32-E	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 Ility, random variable and its description, known distributions, random vector, function of random variable. Methods of point estimation. Trelation, linear regression, correlation coefficient, coefficient of determination, the general linear model, statistical inference in linear remultiple regression, the use of matrices in regression. Project 1 Project 2 Project 3 Project 1 Project 2	Z,ZK Testing of statistical egression, analysis Z Z Z Z Z Z Z	0 4 hypothesi of variance 2 2 2
11SEMO-E 11STAT-E Definition of probabil Regression and corr 11X31-E 11X32-E 11X33-E 12X31-E	Solving problems on kinematics, particle dynamics, dynamics of particle systems and rigid body. Continuum mechanics, thermodynamics of Electromagnetic Field and Optics Solving problems on electric and magnetic field, electromagnetic field, optics and basics of solid-state physics. Statistics Clity, random variable and its description, known distributions, random vector, function of random variable. Methods of point estimation. The relation, linear regression, correlation coefficient, coefficient of determination, the general linear model, statistical inference in linear remultiple regression, the use of matrices in regression. Project 1 Project 2 Project 3 Project 1	ynamics. Z,ZK Testing of statistical agression, analysis Z Z Z Z Z Z	0 4 hypothesi of variance 2 2 2 2
11SEMO-E 11STAT-E Definition of probabil Regression and corr 11X31-E 11X32-E 11X33-E 12X31-E 12X32-E	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 Ility, random variable and its description, known distributions, random vector, function of random variable. Methods of point estimation. Trelation, linear regression, correlation coefficient, coefficient of determination, the general linear model, statistical inference in linear remultiple regression, the use of matrices in regression. Project 1 Project 2 Project 3 Project 1 Project 2	Z,ZK Testing of statistical egression, analysis Z Z Z Z Z Z Z	0 4 hypothesi of variance 2 2 2 2 2 2
11SEMO-E 11STAT-E Definition of probabilicegression and corr 11X31-E 11X32-E 11X33-E 12X31-E 12X32-E 12X33-E 12X33-E 14AP-E Computers, data re	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 litty, random variable and its description, known distributions, random vector, function of random variable. Methods of point estimation. The relation, linear regression, correlation coefficient, coefficient of determination, the general linear model, statistical inference in linear remultiple regression, the use of matrices in regression. Project 1 Project 2 Project 3 Project 1 Project 2 Project 3 Algorithm and Programming expresentation, algorithms (conditions, loops), high level programming languages, introduction to Python language, lists, searching and programming languages, introduction to Python language, lists, searching and programming languages, introduction to Python language, lists, searching and programming languages, introduction to Python language, lists, searching and programming languages, introduction to Python language, lists, searching and programming languages, introduction to Python language, lists, searching and programming languages, introduction to Python language, lists, searching and programming languages, introduction to Python language, lists, searching and programming languages, introduction to Python language, lists, searching and programming languages, introduction to Python language, lists, searching and programming languages, introduction to Python language, lists, searching and programming languages, introduction to Python language, lists, searching and languages, l	Z,ZK Testing of statistical agression, analysis Z Z Z Z Z Z KZ KZ nd sorting algorithm	0 4 hypothesi of variance 2 2 2 2 2 4 ns, abstrace
11SEMO-E 11STAT-E Definition of probabilities and correct states and correct states are states as a second state and correct states are states as a second state	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 Ility, random variable and its description, known distributions, random vector, function of random variable. Methods of point estimation. The relation, linear regression, correlation coefficient, coefficient of determination, the general linear model, statistical inference in linear remultiple regression, the use of matrices in regression. Project 1 Project 2 Project 3 Project 1 Project 2 Project 3 Algorithm and Programming expresentation, algorithms (conditions, loops), high level programming languages, introduction to Python language, lists, searching and pole, dictionary), regular expressions, libraries to process date and time, set arrays, functions and procedures, working with files, instinctions.	Z,ZK Testing of statistical agression, analysis Z Z Z Z Z Z KZ KZ nd sorting algorithm	0 4 hypothesi of variance 2 2 2 2 2 4 ns, abstrace
11SEMO-E 11STAT-E Definition of probabilicegression and corr 11X31-E 11X32-E 11X33-E 12X31-E 12X32-E 12X33-E 14AP-E Computers, data redata types (set, tup	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 Ility, random variable and its description, known distributions, random vector, function of random variable. Methods of point estimation. Trelation, linear regression, correlation coefficient, coefficient of determination, the general linear model, statistical inference in linear remultiple regression, the use of matrices in regression. Project 1 Project 2 Project 3 Project 1 Project 2 Project 3 Algorithm and Programming Peresentation, algorithms (conditions, loops), high level programming languages, introduction to Python language, lists, searching and pole, dictionary), regular expressions, libraries to process date and time, set arrays, functions and procedures, working with files, instance of the programming programming.	Z,ZK Testing of statistical agression, analysis Z Z Z Z Z Z KZ KZ nd sorting algorithm troduction into obje	0 4 hypothesi of variance 2 2 2 2 2 4 ns, abstracect oriented
11SEMO-E 11STAT-E Definition of probabilition and correct segression and correct segressio	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 Ility, random variable and its description, known distributions, random vector, function of random variable. Methods of point estimation. Trelation, linear regression, correlation coefficient, coefficient of determination, the general linear model, statistical inference in linear remultiple regression, the use of matrices in regression. Project 1 Project 2 Project 3 Project 1 Project 2 Project 3 Algorithm and Programming Peresentation, algorithms (conditions, loops), high level programming languages, introduction to Python language, lists, searching and pole, dictionary), regular expressions, libraries to process date and time, set arrays, functions and procedures, working with files, instance programming Project 1	ynamics. Z,ZK Testing of statistical egression, analysis Z Z Z Z Z KZ Ad sorting algorithm troduction into objet	0 4 hypothesi of variance 2 2 2 2 2 4 as, abstracect orientedee
11SEMO-E 11STAT-E Definition of probabil Regression and corr 11X31-E 11X32-E 11X33-E 12X31-E 12X32-E 12X33-E 14AP-E Computers, data redata types (set, tup	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 lity, random variable and its description, known distributions, random vector, function of random variable. Methods of point estimation. Trelation, linear regression, correlation coefficient, coefficient of determination, the general linear model, statistical inference in linear remultiple regression, the use of matrices in regression. Project 1 Project 2 Project 3 Project 1 Project 2 Project 3 Algorithm and Programming Peresentation, algorithms (conditions, loops), high level programming languages, introduction to Python language, lists, searching and pole, dictionary), regular expressions, libraries to process date and time, set arrays, functions and procedures, working with files, ins programming Project 1 Project 1 Project 2	ynamics. Z,ZK Testing of statistical egression, analysis Z Z Z Z Z Z A S S S S S S S S S S S S	0 4 hypothesi of variance 2 2 2 2 2 4 ns, abstrace ct orientee
11SEMO-E 11STAT-E Definition of probabil Regression and corr 11X31-E 11X32-E 11X33-E 12X31-E 12X33-E 12X33-E 12X33-E 14AP-E Computers, data redata types (set, tup 14X31-E 14X32-E 14X33-E 14X33-E	Solving problems on kinematics, particle dynamics, dynamics of particle systems and rigid body. Continuum mechanics, thermodynamics of Electromagnetic Field and Optics Solving problems on electric and magnetic field, electromagnetic field, optics and basics of solid-state physics. Statistics lity, random variable and its description, known distributions, random vector, function of random variable. Methods of point estimation. Trelation, linear regression, correlation coefficient, coefficient of determination, the general linear model, statistical inference in linear remultiple regression, the use of matrices in regression. Project 1 Project 2 Project 3 Project 1 Project 2 Project 3 Algorithm and Programming Peresentation, algorithms (conditions, loops), high level programming languages, introduction to Python language, lists, searching and pole, dictionary), regular expressions, libraries to process date and time, set arrays, functions and procedures, working with files, ins programming Project 1 Project 2 Project 1 Project 2 Project 1 Project 2 Project 3	ynamics. Z,ZK Testing of statistical egression, analysis Z Z Z Z Z Z KZ Ad sorting algorithm troduction into objet	0 4 hypothesi of variance 2 2 2 2 2 2 4 4 ans, abstrace cet oriented 2 2 2 2 2 2 2 2 2 2 2 3 4 3 5 4 5 5 6 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6
11SEMO-E 11STAT-E Definition of probabil Regression and corr 11X31-E 11X32-E 11X33-E 12X31-E 12X32-E 12X33-E 12X33-E 14AP-E Computers, data redata types (set, tup 14X31-E 14X32-E 14X33-E 14X33-E 15JZ1A-E	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 Statistics Ility, random variable and its description, known distributions, random vector, function of random variable. Methods of point estimation. Trelation, linear regression, correlation coefficient, coefficient of determination, the general linear model, statistical inference in linear remultiple regression, the use of matrices in regression. Project 1 Project 2 Project 3 Project 1 Project 3 Algorithm and Programming expresentation, algorithms (conditions, loops), high level programming languages, introduction to Python language, lists, searching and project decitionary), regular expressions, libraries to process date and time, set arrays, functions and procedures, working with files, insprogramming Project 1 Project 2 Project 3 Foreign Language - English 1	Z,ZK Testing of statistical egression, analysis Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z	0 4 hypothesi of variance 2 2 2 2 2 4 ns, abstrace oct oriented 2 2 3
11SEMO-E 11STAT-E Definition of probabil Regression and corr 11X31-E 11X32-E 11X33-E 12X31-E 12X33-E 12X33-E 12X33-E 14AP-E Computers, data redata types (set, tup 14X31-E 14X32-E 14X33-E 15JZ1A-E Grammatical structu	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 Statistics Sity, random variable and its description, known distributions, random vector, function of random variable. Methods of point estimation. The relation, linear regression, correlation coefficient, coefficient of determination, the general linear model, statistical inference in linear regression, the use of matrices in regression. Project 1 Project 2 Project 3 Project 1 Project 2 Project 3 Algorithm and Programming spresentation, algorithms (conditions, loops), high level programming languages, introduction to Python language, lists, searching and sple, dictionary), regular expressions, libraries to process date and time, set arrays, functions and procedures, working with files, instance, project 1 Project 1 Project 2 Project 3 Foreign Language - English 1 proses and style. Selection of conversation topics relating to transportation sciences. Extending vocabulary, developing perceptive and contents and procedures are propertive and contents.	ynamics. Z,ZK Testing of statistical egression, analysis Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z	hypothesis of variance 2 2 2 2 2 4 4 as, abstrace ct oriented 2 2 2 3
11SEMO-E 11STAT-E Definition of probabil Regression and corr 11X31-E 11X32-E 11X33-E 12X31-E 12X33-E 12X33-E 12X33-E 14AP-E Computers, data redata types (set, tup 14X31-E 14X32-E 14X33-E 15JZ1A-E Grammatical structu	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 Statistics Ility, random variable and its description, known distributions, random vector, function of random variable. Methods of point estimation. Trelation, linear regression, correlation coefficient, coefficient of determination, the general linear model, statistical inference in linear remultiple regression, the use of matrices in regression. Project 1 Project 2 Project 3 Project 1 Project 3 Algorithm and Programming expresentation, algorithms (conditions, loops), high level programming languages, introduction to Python language, lists, searching and project decitionary), regular expressions, libraries to process date and time, set arrays, functions and procedures, working with files, insprogramming Project 1 Project 2 Project 3 Foreign Language - English 1	ynamics. Z,ZK Testing of statistical egression, analysis Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z	0 4 hypothesis of variance 2 2 2 2 2 4 ns, abstracted oriented 2 2 3

15JZ3A-E	Foreign Language - English 3	Z	3
	and stylistics. Conversational and specialised topics selected according to the language group level and with regard to the Faculty's		
improvement in per	ceptive and communicative skills; widening the vocabulary. Basic kinds of compositions. Presentations of own findings in both oral ar	nd written form. Ted	chnical texts
45 1744 5	and their features; terminology.	7.71/	
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 ceptive and communicative skills; widening the vocabulary. Basic kinds of compositions. Presentations of own findings in both oral ar		
improvement in per	and their features; terminology.	id writterriorni. Tet	Jillicai lexis
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
Fundamentariegis	lative, definition of terms, risks and possible health damage, working conditions and health protection with focus on transportation. H health insurance of home and foreign business trips, statistics, working practice.	eaith protection pr	ogrammes,
15Y1EH-E	European Integration within Historical Context	KZ	2
	formation of new states. Europe and the powers, League of Nations. European policy in the 1920s. Fascism, nacism, communism. Li		l
	er Hitler's getting to power, system of bilateral agreements. Decline of the LN. Rearrangement of powers during WWII. Cold war and it		•
godioi Zuropo di i	New quality of French-German relationship - a driving power of starting European integration.		ou.opo.
15Y1HE-E	Work Hygiene and Ergonomics in Traffic	KZ	2
	of occupational hygiene and ergonomics, and their application in transport. Working environment factors, and the influence of these	factors on health o	l
Creation and prote	ction of working conditions that do not damage public health. Mutual links: man-machine-environment. Adaptation of technology to po	ossibilities and skil	ls of a man.
	Practical examples from the field of transportation; relevant legislature.		
15Y1HL-E	History of Civil Aviation	KZ	2
_	nings of aircrafts heavier than air. Czechoslovak aviation pioneers. Development of airports in the Czech Republic. World airports. Air		Helicopters.
CS	A airplanes. Famous aviators. Classic era of aviation. Golden era of civil aviation. Supersonic flying. Modern era of civil aviation. Flyin	g in the world.	
15Y1ZV-E	East-West dichotomy: Prelude to the Cold War	KZ	2
	evolution of the "West" and "East" from the 1500s. Focus on the history in the period between 1850 nad 1950. Milestones and continuing	-	
in the end of 19th	century and the beginning of the 20th century. Revolutions, the causes and consequences. Scientific and technological progress, the	e causes and cons	equences.
	Economic and financial history. Social changes. Discussions on texts, sources.		_
16X31-E	Project 1	Z	2
16X32-E	Project 2	Z	2
16X33-E	Project 3	Z	2
17X31-E	Project 1	Z	2
17X32-E	Project 2	Z	2
17X33-E	Project 3	Z	2
17Y1LL-E	Logistics of Passenger and Freight Air Transport	KZ	2
Logistics airline pas	ssenger and cargo. Aircraft and airport terminals for passenger and cargo transport. Airlines in terms of logistics systems. Aerial trans	sport process pass	engers and
	air cargo. Information systems in air transport. Global distribution systems.		
18X31-E	Project 1	Z	2
18X32-E	Project 2	Z	2
18X33-E	Project 3	Z	2
18Y1AM-E	Anatomy, Mobility and Safety of Man	KZ	2
Survey of tissues. A	natomical structure and growth of bones. Articular joint. Remodelling of bone tissue. Anatomical structure of muscles. Blood circulation	and nervous syste	m. Structure
and biomechanics	of muscular-skeletal system. Injury of human organs and musculo-skeletal system during traffic accidents. Mobility of ill and injured n	nan and his treatm	ent. Human
	joint prostheses. Protective means and traffic safety regulations.		
18Y1EM-E	Experimental Methods in Mechanics	KZ	2
	ole of experimental mechanics. Sensors for mechanical testing. Overview of experimental methods. Destructive and non-destructive	•	•
experimental pro	cedures and sample preparation. Tensile and bending tests. Electrical resistance strain gages. Optical based strain measurement. Fa	tigue and lifetime p	orediction.
40V4NT F	Instrumented hardness testing. Introduction to electron microscopy. Errors in measurement.	1/7	_
18Y1MT-E	Engineering Materials	KZ	2
· ·	w of main classes of materials used in technical design. In addition to main classes of materials, i. e. metals, ceramics, polymers and ogical materials and to biomimetics. Integral approach to material selection process is also demonstrated based on so called Ashby's	=	ilion is paiu
18Y1MX-E	Materials in Transportation	KZ	2
	w of main classes of materials used in technical design. In addition to main classes of materials, i. e. metals, ceramics, polymers and		1
-	ogical materials and to biomimetics. Integral approach to material selection process is also demonstrated based on so called Ashby's	-	ition is paid
18Y1PD-E	Computer Simulations in Transportation	KZ	2
	verview of programs for stress analysis of structures. Numerical methods in mechanics, finite element method. Geometric model dev		
	er CAE systems. Assignment of material properties. The types of elements and their use. Discretization of solid model. Boundary cor		
	load. Basic tasks of structural and modal analysis. Introduction to complex nonlinear problems.		
18Y1PS-E	Computer Simulations in Mechanics	KZ	2
	verview of programs for stress analysis of structures. Numerical methods in mechanics, finite element method. Geometric model dev		
geometry from oth	er CAE systems. Assignment of material properties. The types of elements and their use. Discretization of solid model. Boundary cor	nditions and applic	ation of the
	load. Basic tasks of structural and modal analysis. Introduction to complex nonlinear problems.		
20X31-E	Project 1	Z	2
20X32-E	Project 2	Z	2
20X33-E	Project 3	Z	2
21APL1-E	Aviation English 1 for Professional Pilot	Z	3
Exercises focuse	d on continuous reading specialized texts, vocabulary extension of technical English, terminology in the sphere of aircraft construction		ht, aircraft
. ا	engines, instruments and systems, analyzes relating to topics of air traffic, operational procedures, relevant legislation and operators	procedures	

24 A DL 2 E			
21APL2-E	Aviation English 2 for Professional Pilot	Z,ZK	3
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.		
21CON-E	Navigation Calculations	KZ	2
	s; times - UTC, Zulu, LT; positioning; sunrise and sunset; distance calculation; projection; maps and symbols; declination; speed; wind	d components and	wind drift;
	VFR route selection; position plotting.	·	
21EKL-E	Air Transport Economy	Z,ZK	3
	gy used in air transport. Basic microeconomic laws. Division of the economic disciplines. Economy carrier. Economic indicators in the		
200.101.110 10111111101	Business activities in air transport.	, managomom or a	transporti
21HAV-E	Weight and Balance of Aircraft	Z,ZK	3
	and balance, basic aircraft masses, weighing and maximum aircrafts masses, overloading of aircraft, standard weights of passenger, ba		
	t, flight documentation - loadsheet, trimsheet, securing of load, determination of centre of gravity, influence of centre of gravity position		
21KPSL-E	Communication and Surveillance Systems in Aviation	ZK	3
The course acqu	aints students with communication and surveillance systems both from the perspective of the air segment (aircraft systems) and from		or grouna
	infrastructure (ground systems), which together create the necessary prerequisites for ensuring safe, efficient and economical air t		
21KSAV-E	KSA Assessment	Z,ZK	2
Communication.	Management of flight path. Automation of flight. Leadership and teamwork. Problem solving. Decision making. Situation awarness. W	orkload manageme	ent. Upset
	preventation and recovery training. Mental math.		
21LCLT-E	Human Factors in Aviation	ZK	3
Human factors in	aviation. Breathing, atmosphere. Heart and circulation. Radiation. Human sensory organs, nervous system. Vision, hearing, illusions.	Health and hygien	ne, fatigue,
	wakefulness and sleep. Information processing, human error. Cockpit management. Behaviour and workload. Automation. Core com	petencies.	
21LCM-E	Aircraft Engines	Z,ZK	3
Aircraft piston eng	ne, theoretical background, operational characteristics and construction schemes. Propellers, operational characterictics. Turbine en	gine, theoretical ba	ackground,
thermal cycles, co	enstruction schemes, operational characteristics. Turbojet and turbofan engines, basic construction modules, and their operational ch	aracteristics. Engir	ne control.
21LDA1-E	Aircraft 1	Z,ZK	3
	nd conceptual design types - definitions and basic knowledge of the problem. Development of requirements, aircraft definitions and ca		_
7 in ordin diradiana	Systems of primary and secondary airframe structure. Airframe and propulsion unit. Lectures are devoted to aeroplane topic	•	art ioddirigo.
21LEIS-E		Z,ZK	3
	Aerodromes		
	s. Applicability. Airport design. Reference code. Declared distances of runways (RWY). Taxiways and aprons. Clearway. Stopway. Mar	-	
Markings. Signs. Mi	arkers. Visual aids for denoting obstacles. Obstacle restriction, removal. Visual aids for navigation, lights, approach lighting systems. V	isuai approacti sio	pe maicator
041 DT)/ E	systems. Runway lights. Taxiway lights. Visual aids for denoting obstacles.	717	
21LPTY-E	Aircraft Operations	ZK	2
	Aircraft oepration for cruise, approach, final approach, missed approach, hodling, PBN, augmented GNSS, aviation charts for IF		
21LPX1-E	Flight Training 1	KZ	2
Practical exercis	es 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 con	itrol, dual
exercises, solo fli	phts and navigation flights. This course is intended only for long-term student, who are in integrated pilots training and study all cours	ses related to Study	y field PIL
	(Professional Pilot) in all three years.		
21LPX2-E	Flight Training 2	KZ	2
Practical exercise	s for improvement of theoretical knowledge in a range MEP land and IFR from the relevant subjects in accordance with Part FCL. Th	e basics of instrum	
dual exercises, em	ergency procedures, descents and navigation flights. This course is intended only for long-term student, who are in integrated pilots		ient flying,
	1 - 1 - 0 - 1 - 0 - 1 - 0 - 1 - 1 - 1 -	training and study	
21LPX3-E	related to Study field PIL (Professional Pilot) in all three years.	training and study	
			all courses
	Flight Training 3	KZ	
21I PX4-F	Flight Training 3 Deepening of theoretical knowledge and practical examination of progress in professional competence in pilot skills and knowledge.	KZ edge	all courses
21LPX4-E	Flight Training 3 Deepening of theoretical knowledge and practical examination of progress in professional competence in pilot skills and knowledge. Flight Training 4	KZ edge	all courses
	Flight Training 3 Deepening of theoretical knowledge and practical examination of progress in professional competence in pilot skills and knowledge Flight Training 4 Deepening of theoretical knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional examination of	KZ edge KZ	all courses 2 2
21LPX4-E 21LPX5-E	Flight Training 3 Deepening of theoretical knowledge and practical examination of progress in professional competence in pilot skills and knowledge Flight Training 4 Deepening of theoretical knowledge and practical examination of progress in professional competence in pilot skills and knowledge Flight Training 5	KZ edge KZ edge KZ	all courses
21LPX5-E	Flight Training 3 Deepening of theoretical knowledge and practical examination of progress in professional competence in pilot skills and knowledge Flight Training 4 Deepening of theoretical knowledge and practical examination of progress in professional competence in pilot skills and knowledge Flight Training 5 Deepening of theoretical knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional examination of progress i	edge KZ edge KZ edge	all courses 2 2 2
21LPX5-E 21LTA2-E	Flight Training 3 Deepening of theoretical knowledge and practical examination of progress in professional competence in pilot skills and knowledge Training 4 Deepening of theoretical knowledge and practical examination of progress in professional competence in pilot skills and knowledge Training 5 Deepening of theoretical knowledge and practical examination of progress in professional competence in pilot skills and knowledge Aircraft 2	KZ edge KZ edge KZ edge Z,ZK	all courses 2 2 2 2
21LPX5-E 21LTA2-E	Flight Training 3 Deepening of theoretical knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge and professional supervising. Legislation in area of airworthiness. International and national standard professional supervising.	KZ edge KZ edge KZ edge Z,ZK ndards. Static solidi	all courses 2 2 2 2
21LPX5-E 21LTA2-E Manufacturers resp	Flight Training 3 Deepening of theoretical knowledge and practical examination of progress in professional competence in pilot skills and knowledge Training 4 Deepening of theoretical knowledge and practical examination of progress in professional competence in pilot skills and knowledge Training 5 Deepening of theoretical knowledge and practical examination of progress in professional competence in pilot skills and knowledge Aircraft 2	KZ edge KZ edge KZ edge Z,ZK ndards. Static solidi mption.	2 2 2 ty of aircraft
21LPX5-E 21LTA2-E	Flight Training 3 Deepening of theoretical knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge and professional supervising. Legislation in area of airworthiness. International and national standard professional supervising.	KZ edge KZ edge KZ edge Z,ZK ndards. Static solidi	all courses 2 2 2 2
21LPX5-E 21LTA2-E Manufacturers resp 21LTP1-E	Flight Training 3 Deepening of theoretical knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional c	KZ edge KZ edge KZ edge Z,ZK dards. Static solidi mption. KZ	2 2 2 ty of aircraft
21LPX5-E 21LTA2-E Manufacturers resp 21LTP1-E	Flight Training 3 Deepening of theoretical knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional c	KZ edge KZ edge KZ edge Z,ZK dards. Static solidi mption. KZ	2 2 2 ty of aircraft
21LPX5-E 21LTA2-E Manufacturers resp 21LTP1-E	Flight Training 3 Deepening of theoretical knowledge and practical examination of progress in professional competence in pilot skills and knowledge progress in professional competence in pilot skills and knowledge progress in professional competence in pilot skills and knowledge progress in professional competence in pilot skills and knowledge progress in professional competence in pilot skills and knowledge progress in professional competence in pilot skills and knowledge progress in professional competence in pilot skills and knowledge progress in professional competence in pilot skills and knowledge progress in professional competence in pilot skills and knowledge progress in professional competence in pilot skills and knowledge progress in professional competence in pilot skills and knowledge progress in professional competence in pilot skills and knowledge progress in professional competence in pilot skills and knowledge progress in professional competence in pilot skills and knowledge progress in professional competence in pilot skills and knowledge progress in professional competence in pilot skills and knowledge progress in professional competence in pilot skills and knowledge progress in professional competence in pilot skills and knowledge progress in professional competence in pilot skills and knowledge progress in professional competence in pilot skills and knowledge progress in professional competence in pilot skills and knowledge progress in professional competence in pilot skills and knowledge progress in professional competence in pilot skills and knowledge progress in professional competence in pilot skills and knowledge progress in professional competence in pilot skills and knowledge progress in professional competence in pilot skills and knowledge progress in professional competence in pilot skills and knowledge progress in professional competence in pilot skills and knowledge progress in professional competence in pilot skills and knowledge progress in professional competence in pilot skil	KZ edge KZ edge KZ edge Z,ZK dards. Static solidi mption. KZ	2 2 2 ty of aircraft
21LPX5-E 21LTA2-E Manufacturers resp 21LTP1-E Air Law; ICAO Do	Flight Training 3 Deepening of theoretical knowledge and practical examination of progress in professional competence in pilot skills and knowledge progress of theoretical knowledge and practical examination of progress in professional competence in pilot skills and knowledge progress of theoretical knowledge and practical examination of progress in professional competence in pilot skills and knowledge progress of theoretical knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and k	KZ edge KZ edge KZ edge Z,ZK dards. Static solidi mption. KZ Commission regula	2 2 2 ty of aircraft 3 ation (EU)
21LPX5-E 21LTA2-E Manufacturers resp 21LTP1-E Air Law; ICAO Do 21LTP2-E The course is focus	Flight Training 3 Deepening of theoretical knowledge and practical examination of progress in professional competence in pilot skills and knowledge progress of theoretical knowledge and practical examination of progress in professional competence in pilot skills and knowledge progress of theoretical knowledge and practical examination of progress in professional competence in pilot skills and knowledge progress of theoretical knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge and professional supervising. Legislation in area of airworthiness. International and national star structures. Aeroelasticity. Inherent and operational reliability of aircraft structure. Fatigue strength. Aircraft structure lifetime presures air Law 1 2 7300; ICAO Doc 7500 and 9626; International Organizations: ICAO, IATA, EASA, EUROCONTROL; airworthiness; ICAO Annexes; 965/2012 Air Law 2	KZ edge KZ edge KZ edge Z,ZK dards. Static solidi mption. KZ Commission regulations	2 2 2 ty of aircraft 3 ation (EU) 3 is analyzed
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21LPX5-E 21LTA2-E Manufacturers resp 21LTP1-E Air Law; ICAO Do 21LTP2-E The course is focus in detail File no. 21LVPK-E	Flight Training 3 Deepening of theoretical knowledge and practical examination of progress in professional competence in pilot skills and knowledge progress of theoretical knowledge and practical examination of progress in professional competence in pilot skills and knowledge progress of theoretical knowledge and practical examination of progress in professional competence in pilot skills and knowledge progress of theoretical knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and k	KZ edge KZ edge KZ edge Z,ZK ndards. Static solidi mption. KZ Commission regulations ransport and transp	2 2 2 ty of aircraft 3 ation (EU) 3 is analyzed portation. 2
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21LPX5-E 21LTA2-E Manufacturers resp 21LTP1-E Air Law; ICAO Do 21LTP2-E The course is focus in detail File no. 21LVPK-E Flight safety analys	Flight Training 3 Deepening of theoretical knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge and professional professional procedures, automation. Meteorology 2	KZ edge KZ edge KZ edge Z,ZK ndards. Static solidi mption. KZ Commission regulations ransport and transport and transport and awareness, decise	2 2 2 ty of aircraft 3 ation (EU) 3 is analyzed portation. 2 sion making 5
21LPX5-E 21LTA2-E Manufacturers resp 21LTP1-E Air Law; ICAO Do 21LTP2-E The course is focus in detail File no. 21LVPK-E Flight safety analys	Flight Training 3 Deepening of theoretical knowledge and practical examination of progress in professional competence in pilot skills and knowledge fractical knowledge and practical examination of progress in professional competence in pilot skills and knowledge fractical knowledge and practical examination of progress in professional competence in pilot skills and knowledge fractical knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge and professional supervising. Stills and knowledge and professional competence in pilot skills and knowledge and professional competence in pilot skills and knowledge and professional professional procedures, automation. In the professional competence in pilot skills and knowledge and professional professional knowledge and knowledge a	KZ edge KZ edge KZ edge Z,ZK ndards. Static solidi mption. KZ Commission regulations ransport and transport and transport and awareness, decise	2 2 2 ty of aircraft 3 ation (EU) 3 is analyzed portation. 2 sion making 5
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21LPX5-E 21LTA2-E Manufacturers resp 21LTP1-E Air Law; ICAO Do 21LTP2-E The course is focus in detail File no. 21LVPK-E Flight safety analys 21MET2-E Climatic zones, t	Flight Training 3 Deepening of theoretical knowledge and practical examination of progress in professional competence in pilot skills and knowledge flight training 4 Deepening of theoretical knowledge and practical examination of progress in professional competence in pilot skills and knowledge flight training 5 Deepening of theoretical knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge and professional competence in pilot skills and k	KZ edge KZ edge KZ edge Z,ZK ndards. Static solidi mption. KZ Commission regulations ransport and transport an	all courses 2 2 2 ty of aircraft 3 ation (EU) 3 is analyzed portation. 2 sion making 5 ain areas, 3
21LPX5-E 21LTA2-E Manufacturers resp 21LTP1-E Air Law; ICAO Do 21LTP2-E The course is focus in detail File no. 21LVPK-E Flight safety analys 21MET2-E Climatic zones, t 21MRG1-E Composition, size a	Flight Training 3 Deepening of theoretical knowledge and practical examination of progress in professional competence in pilot skills and knowledge flight training 4 Deepening of theoretical knowledge and practical examination of progress in professional competence in pilot skills and knowledge flight training 5 Deepening of theoretical knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge and process. International competence in pilot skills and knowledge and process. International professional knowledge and practical examination of progress in professional competence in pilot skills and knowledge and professional knowledge and procedures, and knowledge and practical examination of processional knowledge and practical examination of processional knowledge and practical examination of professional competence in pilot skills and knowledge and professional knowledge and practical examination of professional competence in pilot skills and knowledge and professional competence in pilot skills and knowledge and professional compete	KZ edge KZ edge KZ edge KZ edge Z,ZK ndards. Static solidi mption. KZ Commission regulations ransport and transp Z al awareness, decis Z,ZK ratosphere, mounta KZ ocesses. Creating al cyclone.	all courses 2 2 2 ty of aircraft 3 ation (EU) 3 is analyzed portation. 2 sion making 5 ain areas, 3 and types of
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21LPX5-E 21LTA2-E Manufacturers resp 21LTP1-E Air Law; ICAO Do 21LTP2-E The course is focus in detail File no. 21LVPK-E Flight safety analys 21MET2-E Climatic zones, t 21MRG1-E Composition, size a	Flight Training 3 Deepening of theoretical knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional competence in pilot skills and knowledge and practical examination of progress in professional professional procedures, authonous Aircraft 2 Professional	KZ edge KZ edge KZ edge KZ edge Z,ZK ndards. Static solidi mption. KZ Commission regulations ransport and transp Z al awareness, decis Z,ZK ratosphere, mounta KZ ocesses. Creating al cyclone. ZK eed: Course, heading	all courses 2 2 2 ty of aircraft 3 ation (EU) 3 is analyzed portation. 2 sion making 5 ain areas, 3 and types of 5 ng, track.
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21PKL1-E	Advanced Flying 1	KZ	4
• • • • • • • • • • • • • • • • • • • •	ements Learning objectives laid down in Commission Regulation (EU) No 1178/2011. Instrument flying introduction, threat and error	•	
instrument depart	ures, enroute flight, holdings and arrivals, instrument approaches, performance based navigation, weather consideration, flight plann	ing and monitoring	j, effective
21PKL2-E	briefings, phraseology differences, lost communication procedures, CFIT prevention, decompresion Advanced Flving 2	ZK	2
	s are based on requirements laid down in Commission Regulation (EU) No 1178/2011, subjects 081 and 100. Multi engine aircraft a	I	
• ,	ment, stabilized approach and landing errors, jet - performance - engine out flight, jet - handling - engine out flight go around, UPRT,	•	
3, 3, 3, 3,	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		
21PPY2-E	Operational Procedures 2	ZK	4
Flight documenta	ation and manuals, Icing and protection of the aircraft against icing, noise abatement procedures, Abnormal and emergency situation	s and procedures,	Runway
24 DD 14 E	contamination	71/	
21PRJ1-E	Instrumentation 1 and construction of flight instruments, electric systems, power plant sensors and instruments, airframe sensors and instruments, measu	ZK rement of air data r	2 narameters
Dasic classification	integrated instruments, systems, power plant sortions and instruments, alimante sortions and instruments, measurements.	rement of all data p	Jaramotors,
21PRJ2-E	Instrumentation 2	ZK	3
	pic instruments (turn indicator, attitude indicator, directional gyro), inertial instruments, recording and monitoring systems, warning sy		_
	(autopilot, flight director, autothrust), FMS, flight envelope protection, communication systems, flight computers		
21PRKP-E	Practical Flight Planning	Z,ZK	4
	ce 2. fuel planning, PDP, RIF,RCF 3. ATC FPL 4. Preflight procedure and briefing-NOTAM + weather(METAR,SIGMET) 5. Jeppesen	-	
theory 7. VFR flig	ht planning- ICAO mapa, softwary 8. IFR flight planning- theory 9. PBN- RNAV, RNP 10. IFR flight planning- softwary 11. MRJT- OFP	12. ETOPS a NAT	「HLA 13.
O4DDN E	PET, PSR, PNR 14. practical VFR a IFR flight planning	7 71/	
21RDN-E	Radionavigation nder (VDF), ADF, VOR and Doppler VOR, DME, ILS, MLS, ground ATC radar, weather Radar, SSR and transponder. Radar utilization l	Z,ZK	3
	(NAV) - general philosophy, gauges and equipment, indication and sensors for RNAV, VOR/DME (RNAV). Autopilot and flight director.	_	1
	and backups.		., .,
21SBP-E	Bachelor's Thesis Seminar	Z	1
Work with infor	mation sources. Citation, citation formats. The methodology of writing the thesis. Presentation of results. Formal requirements for thes	sis. Presentation of	thesis.
	Requirements for journal articles. Publication ethics.		
21SIFR-E	IFR Communication	Z	2
	Abbreviations, Q-codes, Transport message categories, Transmission technique,, Transmission of letters, numbers, time and symbols,		
	hts, Radar procedural phraseology, Standard phraseology and Morse code, Practical IFR radiotelephony procedures in normal and e	mergency situation	
21SVFR-E	VFR Communication	∠ ∠ standard and non-	4 etandard
Course contents	situations.	standard and non-	stariuaru
21TVFR-E	Theory for VFR Training	Z.ZK	8
	based on PPL(A) theory requirements according to Part-FCL. Lectures cover topics that are necessary to commence the practical pa	-,	-
	, airframe and powerplant, aircraft systems, instrumentation, mass and balance, performance, air law and ATC procedures, meteorological		
	navigation, radionavigation, VFR communication, flight planning and monitoring and human factor.		
21VL-E	Aircraft Performance	Z,ZK	4
Basic terms of aircr	aft performance, basic characteristic speeds, runway characteristics, single and multiengine aircraft performance class B, aircraft perf		take off and
24 724 5	landing performance, after take off and missed approach climb, noise abatement procedures, range of aircraft, drift down, MEL, E		
21X31-E	Project 1	Z	2
21X32-E	Project 2	Z	2
21X33-E	Project 3	Z KZ	2
21Y1BC-E	Aviation safety and security f safety and security development in aviation. Modern tools for safety and security management. Research and development of safe a		2
21Y1BS-E	Unmanned aircraft systems 1	KZ	2
	n Development. Aircraft design. Legislation in force in the Czech Republic. Planning and execution of the flight. Airspace division. Ope		
04)//14 1	procedures. Practical flights.		
21Y1MJ-E	Matlab for projects	KZ	2
	bus is focused on the problem-solving during bachelor's thesis preparation and it is based on students' requests. Individual exercises les, based on actual students' needs and suggestions. The subject will have a flexible form, which is expected to bring an improveme		- 1
21Y1MP-E	Matlab for project-oriented study	KZ	2
	bus is focused on the problem-solving during bachelor's thesis preparation and it is based on students' requests. Individual exercises	I	
	les, based on actual students' needs and suggestions. The subject will have a flexible form, which is expected to bring an improveme		- 1
21Y1OH-E	Airline Business and Operations	KZ	2
	s a comprehensive view of the commercial, operational and transportation activities of air transport companies. It focuses on the organiza	ational structure of	
various aspects of t	heir strategy, economic and operational indicators. It introduces students in detail to operational processes and the essentials of transp	ortation processes	. It provides
04)/457.5	a basic view of the economic aspects of air transport.	177	
21Y1RZ-E	Human Resources Management	KZ	2 external
· ·	numan resources in the organization and related disciplines file. Substance, importance and challenges of human resources manage nan resource management. Human resource planning. Search, recruitment and selection of employees. Motivation, evaluation and rem		
	dismissal and redundancies of employees. Education of employees. Planning career management.		
21ZKL1-E	Principles of Flight 1	ZK	3
	relation between drag and speed, streamline, boundary layer, formula of continuity, formula of Bernoulli, lift and drag, air flow and pre		
attack, reactions of	wing 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	drag, interference,	devices for
	lift and drag increase.		

21ZKL2-E	Principles of Flight 2	ZK	3			
Ways of producing	Ways of producing thrust, propeller, jet propulsion, thrust and momentum, propulsion efficiency, aerodynamics of fixed and variable pitch propeller, propeller operation modes, propeller					
airstream effect, gyroscopic effect, balance of forces in horizontal flight, glide and landing, performances, take off an climb, acceleration, positive load, manoevures, stability and						
controllability, transsonic speeds.						
22X31-E	Project 1	Z	2			
22X32-E	Project 2	Z	2			
22X33-E	Project 3	Z	2			
23X31-E	Project 1	Z	2			
23X32-E	Project 2	Z	2			
23X33-E	Project 3	Z	2			

For updated information see http://bilakniha.cvut.cz/en/FF.html Generated: day 2025-11-07, time 04:58.