Study plan

Name of study plan: Open Informatics - Human-Computer Interaction

Faculty/Institute/Others: Faculty of Electrical Engineering

Department:

Branch of study guaranteed by the department: Welcome page

Garantor of the study branch:
Program of study: Open Informatics
Type of study: Follow-up master full-time

Required credits: 85

Elective courses credits: 35 Sum of credits in the plan: 120

Note on the plan:

Name of the block: Compulsory courses in the program

Minimal number of credits of the block: 49

The role of the block: P

Code of the group: 2018_MOIDIP Name of the group: Diploma Thesis

Requirement credits in the group: In this group you have to gain 25 credits Requirement courses in the group: In this group you have to complete 1 course

Credits in the group: 25 Note on the group:

Code	Name of the course / Name of the group of courses (in case of groups of courses the list of codes of their members) Tutors, authors and guarantors (gar.)	Completion	Credits	Scope	Semester	Role
BDIP25	Diploma Thesis	Z	25	22s	L	Р

Characteristics of the courses of this group of Study Plan: Code=2018_MOIDIP Name=Diploma Thesis

BDIP25	Diploma Thesis	Z	25			
Independent final comprehensive work for the Master's degree study programme. A student will choose a topic from a range of topics related to his or her branch of study, which will						
he specified by branch	department or branch departments. The diploma thesis will be defended in front of the hoard of examiners for the comprehen	sive final examina	ation			

Code of the group: 2018_MOIP

Name of the group: Compulsory subjects of the programm

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

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

Credits in the group: 24 Note on the group:

Code	Name of the course / Name of the group of courses (in case of groups of courses the list of codes of their members) Tutors, authors and guarantors (gar.)	Completion	Credits	Scope	Semester	Role
В4М35КО	Combinatorial Optimization Zden k Hanzálek Zden k Hanzálek Zden k Hanzálek (Gar.)	Z,ZK	6	3P+2C	L	Р
B4M33PAL	Advanced algorithms Marko Genyk-Berezovskyj, Daniel Pr ša Daniel Pr ša (Gar.)	Z,ZK	6	2P+2C	Z	Р
B4MSVP	Software or Research Project Ivan Jelínek, Jaroslav Sloup, Ji í Šebek, Martin Šipoš, Drahomíra Hejtmanová, Jana Zichová, Petr Pošík, Martin Hlinovský, Katarína Žmolíková, Ivan Jelínek Ivan Jelínek (Gar.)	KZ	6		Z,L	Р
B4M01TAL	Theory of Algorithms Marie Demlová, Natalie Žukovec Marie Demlová (Gar.)	Z,ZK	6	3P+2S	Ĺ	Р

Characteristics of the courses of this group of Study Plan: Code=2018_MOIP Name=Compulsory subjects of the programm

B4M35KO Combinatorial Optimization

The goal is to show the problems and algorithms of combinatorial optimization (often called discrete optimization; there is a strong overlap with the term operations research). Following the courses on linear algebra, graph theory, and basics of optimization, we show optimization techniques based on graphs, integer linear programming, heuristics, approximation algorithms and state space search methods. We focus on application of optimization in stores, ground transportation, flight transportation, logistics, planning of human resources, scheduling in production lines, message routing, scheduling in parallel computers.

0 1				
B4M33PAL	Advanced algorithms	Z,ZK	6	
Basic graph algorithms and graph representation. Combinatorial algorithms. Application of formal languages theory in computer science - pattern matching.				
B4MSVP	Software or Research Project	KZ	6	
B4M01TAL	Theory of Algorithms	Z,ZK	6	

The course brings theoretical background of the theory of algorithms with the focus at first on the time and space complexity of algorithms and problems, secondly on the correctness of algorithms. Further it is dealt with the theory of complexity; the classes P, NP, NP-complete, PSPACE and NPSPACE are treated and properties of them investigated. Probabilistic algorithms are studied and the classes RP and ZZP introduced.

Name of the block: Compulsory courses of the specialization

Minimal number of credits of the block: 36

The role of the block: PO

Code of the group: 2018_MOIPO1

Name of the group: Compulsory subjects of the branch

Requirement credits in the group: In this group you have to gain 36 credits

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

Credits in the group: 36 Note on the group:

Code	Name of the course / Name of the group of courses (in case of groups of courses the list of codes of their members) Tutors, authors and guarantors (gar.)	Completion	Credits	Scope	Semester	Role
B4M39NUR	User Interface Design Zden k Mikovec Zden k Mikovec (Gar.)	Z,ZK	6	2P+2S	Z	РО
B4M39PTV	Spatial Design Josef Šafa ík, Marian Karel Marian Karel Zden k Míkovec (Gar.)	Z,ZK	6	2P+2L	L	РО
B4M39PUR1	Psychology in HCl Jakub Franc, Jan Balata Jakub Franc Jakub Franc (Gar.)	Z,ZK	6	2P+2S	Z	РО
B4M36SAN	Statistical Data Analysis Ji í Kléma Ji í Kléma Ji í Kléma (Gar.)	Z,ZK	6	2P+2C	Z	РО
B4M39VIZ	Visualization Ladislav molík Ladislav molík (Gar.)	Z,ZK	6	2P+2C	L	РО
B4M36ZKS	Software Quality Assurance Feras Abdul Hadi Mustafa Daoud, Mat j Klíma, Karel Frajták, Miroslav Bureš Miroslav Bureš Miroslav Bureš (Gar.)	Z,ZK	6	2P+2C	Z	РО

Characteristics of the courses of this group of Study Plan: Code=2018_MOIPO1 Name=Compulsory subjects of the branch

B4M39NUR	User Interface Design	Z,ZK	6
Students will get acqu	ainted with the theory of human-computer communication and interaction (formal description of user interfaces, formal user mode	ls, the fundamenta	ls of perception
cognition, and user in	formation evaluation).		
B4M39PTV	Spatial Design	Z,ZK	6
Course aim is to evol	e interest in shape, material and its spatial characteristic with help of sophisticated spatial tasks and studies. It is not intended	to educate a sculp	tor or designer
Another aspect is to	urn students' attention from restricted form of flat computer screens towards free real space and let them by means of basic tech	nniques like drawin	g and modelin
o create spontaneou	sly. Students will be confronted with basic composition and form creation principles of Gestalt psychology. Student will verify kn	owledge gained by	/ means of
sophisticated compo	ition tasks. This course will take place in the sculptural and design workshop of Faculty of Architecture.		
B4M39PUR1	Psychology in HCI	Z,ZK	6
The aim of the cours	e is that students will master all phases of the research process starting from initial planning up to the translation of their observ	vations into innovat	ive design
concepts, so they are	able to run applied research projects themselves. Overall the emphasis is laid on practitioner's approach and developing skills ne	eded for adopting t	hese techniqu
in daily design practi	e across various domains.		
B4M36SAN	Statistical Data Analysis	Z,ZK	6
This course builds or	the skills developed in introductory statistics courses. It is practically oriented and gives an introduction to applied statistics. It may	ainly aims at multiv	ariate statistica
analysis and modelli	g, i.e., the methods that help to understand, interpret, visualize and model potentially high-dimensional data. It can be seen as	a purely statistical	counterpart to
machine learning and	data mining courses.		
		7 714	
B4M39VIZ	Visualization	Z,ZK	6
	Visualization I get the knowledge of theoretical background for visualization and the application of visualization in real-world examples. The v	. , .	•
In this course, you w		visualization metho	ods are aimed
at exploiting both the	get the knowledge of theoretical background for visualization and the application of visualization in real-world examples. The	visualization methods ds can help to reve	ods are aimed al hidden

Name of the block: Elective courses Minimal number of credits of the block: 0

Software Quality Assurance

The role of the block: V

B4M36ZKS

Z.ZK

Code of the group: 2018_MOIH

Name of the group: Humanities subjects

Requirement credits in the group: Requirement courses in the group:

Credits in the group: 0 Note on the group:

Code	Name of the course / Name of the group of courses (in case of groups of courses the list of codes of their members) Tutors, authors and guarantors (gar.)	Completion	Credits	Scope	Semester	Role
B0M16FIL	Peter Zamarovský Peter Zamarovský Peter Zamarovský (Gar.)	Z,ZK	5	2P+2S	Z,L	V
B0M16HVT	History of science and technology 2 Marcela Efmertová, Jan Mikeš Marcela Efmertová Marcela Efmertová (Gar.)	Z,ZK	5	2P+2S	Z,L	V
B0M16HSD1	History of economy and social studies Marcela Efmertová	Z,ZK	5	2P+2S	Z,L	V
B0M16PSM	Psychology Jan Fiala Jan Fiala (Gar.)	Z,ZK	5	2P+2S	Z,L	V
B0M16TEO	Theology Vladimír Sláme ka Vladimír Sláme ka Vladimír Sláme ka (Gar.)	Z,ZK	5	2P+2S	Z,L	V

Characteristics of the courses of this group of Study Plan: Code=2018_MOIH Name=Humanities subjects

B0M16FIL		Z,ZK	5
B0M16HVT	History of science and technology 2	Z,ZK	5
This subject traces histo	orical developments in electrical engineering branches in the world and in the Czech Lands. Its ultimate goal is to stimulate s	tudents' interest in	the history and

This subject traces historical developments in electrical engineering branches in the world and in the Czech Lands. Its ultimate goal is to stimulate students' interest in the history and traditions of the subject, while highlighting the developments in technical education and professional organizations, the process of shaping scientific life and the influence of technical engineers

B0M16HSD1	History of economy and social studies	Z,ZK	5
This subject deals with	the history of the Czech society in the 19th - 21th centuries. It follows the forming of the Czech political representation, its ain	ns and achieved	results as well as
the social and cultural d	evelopment and coexistence of the various ethnical groups in the Czech countries.		

B0M16PSM	Psychology	Z,ZK	5
B0M16TEO	Theology	Z,ZK	5

This subject provides to students the basic orientation in christian theology and requires no special previous education. After short philosophic lecture the basic theologic disciplines are gone through. The subject is determined not only to believer students who want to know the reliable theologic grounding but also above all to ones who want to get know Christianity - religion from which graws our civilization up.

Code of the group: MTV

Name of the group: Physical education

Requirement credits in the group: Requirement courses in the group:

Credits in the group: 0 Note on the group:

Code	Name of the course / Name of the group of courses (in case of groups of courses the list of codes of their members) Tutors, authors and guarantors (gar.)	Completion	Credits	Scope	Semester	Role
TVV	Physical education	Z	0	0+2	Z,L	V
A003TV	Physical Education	Z	2	0+2	L,Z	V
TV-V1	Physical education	Z	1	0+2	Z,L	V
TVV0	Physical education	Z	0	0+2	Z,L	V
TVKLV	Physical Education Course	Z	0	7dní	L	V
TVKZV	Physical Education Course	Z	0	7dní	Z	V

Characteristics of the courses of this group of Study Plan: Code=MTV Name=Physical education

TVV	Physical education	Z	0
A003TV	Physical Education	Z	2
TV-V1	Physical education	Z	1
TVV0	Physical education	Z	0
TVKLV	Physical Education Course	Z	0
TVKZV	Physical Education Course	Z	0

Code of the group: 2018_MOIVOL Name of the group: Elective subjects

Requirement credits in the group: Requirement courses in the group:

Credits in the group: 0

Note on the group:

~The offer of elective courses arranged by departments can be found on the website https://fel.cvut.cz/en/education/volitelne-predmety.html\\

List of courses of this pass:

Code	Name of the course	Completion	Credits
A003TV	Physical Education	Z	2
B0M16FIL		Z,ZK	5
B0M16HSD1	History of economy and social studies	Z,ZK	5
This subject deals v	with the history of the Czech society in the 19th - 21th centuries. It follows the forming of the Czech political representation, its aims a	nd achieved result	ts as well as
	the social and cultural development and coexistence of the various ethnical groups in the Czech countries.		ı
B0M16HVT	History of science and technology 2	Z,ZK	5
-	historical developments in electrical engineering branches in the world and in the Czech Lands. Its ultimate goal is to stimulate stude bject, while highlighting the developments in technical education and professional organizations, the process of shaping scientific life engineers		-
B0M16PSM	Psychology	Z,ZK	5
B0M16TEO	Theology	Z,ZK	5
	des to students the basic orientation in christian theology and requires no special previous education. After short philosophic lecture the subject is determined not only to believer students who want to know the reliable theologic grounding but also above all to ones who religion from which graws our civilization up.	_	
B4M01TAL	Theory of Algorithms	Z,ZK	6
	theoretical background of the theory of algorithms with the focus at first on the time and space complexity of algorithms and problems	•	_
	ther it is dealt with the theory of complexity; the classes P, NP, NP-complete, PSPACE and NPSPACE are treated and properties of the algorithms are studied and the classes RP and ZZP introduced.		
B4M33PAL	Advanced algorithms	Z,ZK	6
	graph algorithms and graph representation. Combinatorial algorithms. Application of formal languages theory in computer science - p		
B4M35KO	Combinatorial Optimization	Z,ZK	6
-	the problems and algorithms of combinatorial optimization (often called discrete optimization; there is a strong overlap with the term of	•	
	near algebra, graph theory, and basics of optimization, we show optimization techniques based on graphs, integer linear programming		
algorithms and st	tate space search methods. We focus on application of optimization in stores, ground transportation, flight transportation, logistics, pla	anning of numan r	esources,
	scheduling in production lines, message routing, scheduling in parallel computers.		1
B4M36SAN	Statistical Data Analysis	Z,ZK	6
This course builds of	Statistical Data Analysis on the skills developed in introductory statistics courses. It is practically oriented and gives an introduction to applied statistics. It mainly	aims at multivaria	ite statistical
This course builds of	Statistical Data Analysis	aims at multivaria	ite statistical
This course builds of analysis and mode	Statistical Data Analysis on the skills developed in introductory statistics courses. It is practically oriented and gives an introduction to applied statistics. It mainly elling, i.e., the methods that help to understand, interpret, visualize and model potentially high-dimensional data. It can be seen as a property machine learning and data mining courses.	aims at multivaria urely statistical co	ite statistical unterpart to
This course builds of	Statistical Data Analysis on the skills developed in introductory statistics courses. It is practically oriented and gives an introduction to applied statistics. It mainly illing, i.e., the methods that help to understand, interpret, visualize and model potentially high-dimensional data. It can be seen as a promachine learning and data mining courses. Software Quality Assurance	aims at multivaria urely statistical co Z,ZK	ite statistical
This course builds of analysis and mode B4M36ZKS B4M39NUR	Statistical Data Analysis on the skills developed in introductory statistics courses. It is practically oriented and gives an introduction to applied statistics. It mainly elling, i.e., the methods that help to understand, interpret, visualize and model potentially high-dimensional data. It can be seen as a property machine learning and data mining courses.	z aims at multivaria urely statistical co Z,ZK Z,ZK	te statistical unterpart to
This course builds of analysis and model B4M36ZKS B4M39NUR Students will get acc	Statistical Data Analysis on the skills developed in introductory statistics courses. It is practically oriented and gives an introduction to applied statistics. It mainly illing, i.e., the methods that help to understand, interpret, visualize and model potentially high-dimensional data. It can be seen as a property of the methods that help to understand, interpret, visualize and model potentially high-dimensional data. It can be seen as a property of the machine learning and data mining courses. Software Quality Assurance User Interface Design quainted with the theory of human-computer communication and interaction (formal description of user interfaces, formal user models, the cognition, and user information evaluation).	z aims at multivaria urely statistical co Z,ZK Z,ZK ne fundamentals of	te statistical unterpart to 6 6 f perception,
This course builds of analysis and model B4M36ZKS B4M39NUR Students will get accompany to the second sec	Statistical Data Analysis on the skills developed in introductory statistics courses. It is practically oriented and gives an introduction to applied statistics. It mainly illing, i.e., the methods that help to understand, interpret, visualize and model potentially high-dimensional data. It can be seen as a promachine learning and data mining courses. Software Quality Assurance User Interface Design quainted with the theory of human-computer communication and interaction (formal description of user interfaces, formal user models, the	z aims at multivaria urely statistical co Z,ZK Z,ZK ne fundamentals of Z,ZK	te statistical unterpart to 6 6 f perception,
This course builds of analysis and mode B4M36ZKS B4M39NUR Students will get acc B4M39PTV Course aim is to ev	Statistical Data Analysis on the skills developed in introductory statistics courses. It is practically oriented and gives an introduction to applied statistics. It mainly illing, i.e., the methods that help to understand, interpret, visualize and model potentially high-dimensional data. It can be seen as a promotion of the production	z aims at multivaria urely statistical co Z,ZK Z,ZK ne fundamentals of Z,ZK ducate a sculptor	te statistical unterpart to 6 6 f perception, 6 or designer.
This course builds of analysis and mode B4M36ZKS B4M39NUR Students will get acc B4M39PTV Course aim is to ev Another aspect is to	Statistical Data Analysis on the skills developed in introductory statistics courses. It is practically oriented and gives an introduction to applied statistics. It mainly illing, i.e., the methods that help to understand, interpret, visualize and model potentially high-dimensional data. It can be seen as a promachine learning and data mining courses. Software Quality Assurance User Interface Design quainted with the theory of human-computer communication and interaction (formal description of user interfaces, formal user models, the cognition, and user information evaluation). Spatial Design voke interest in shape, material and its spatial characteristic with help of sophisticated spatial tasks and studies. It is not intended to end of turn students' attention from restricted form of flat computer screens towards free real space and let them by means of basic technique neously. Students will be confronted with basic composition and form creation principles of Gestalt psychology. Student will verify known	z aims at multivaria urely statistical co Z,ZK Z,ZK ne fundamentals of Z,ZK ducate a sculptor ues like drawing at wledge gained by	te statistical unterpart to 6 6 f perception, 6 or designer. nd modeling
This course builds of analysis and model B4M36ZKS B4M39NUR Students will get accommodate and the students w	Statistical Data Analysis on the skills developed in introductory statistics courses. It is practically oriented and gives an introduction to applied statistics. It mainly illing, i.e., the methods that help to understand, interpret, visualize and model potentially high-dimensional data. It can be seen as a promachine learning and data mining courses. Software Quality Assurance User Interface Design quainted with the theory of human-computer communication and interaction (formal description of user interfaces, formal user models, the cognition, and user information evaluation). Spatial Design voke interest in shape, material and its spatial characteristic with help of sophisticated spatial tasks and studies. It is not intended to end turn students' attention from restricted form of flat computer screens towards free real space and let them by means of basic technique neously. Students will be confronted with basic composition and form creation principles of Gestalt psychology. Student will verify know sophisticated composition tasks. This course will take place in the sculptural and design workshop of Faculty of Architecture.	z aims at multivaria urely statistical co Z,ZK Z,ZK ne fundamentals of Z,ZK ducate a sculptor ues like drawing at wledge gained by e.	te statistical unterpart to 6 6 f perception, 6 or designer. nd modeling means of
This course builds of analysis and model B4M36ZKS B4M39NUR Students will get accommodate and the students w	Statistical Data Analysis on the skills developed in introductory statistics courses. It is practically oriented and gives an introduction to applied statistics. It mainly elling, i.e., the methods that help to understand, interpret, visualize and model potentially high-dimensional data. It can be seen as a promachine learning and data mining courses. Software Quality Assurance User Interface Design quainted with the theory of human-computer communication and interaction (formal description of user interfaces, formal user models, the cognition, and user information evaluation). Spatial Design voke interest in shape, material and its spatial characteristic with help of sophisticated spatial tasks and studies. It is not intended to endourn students' attention from restricted form of flat computer screens towards free real space and let them by means of basic technique neously. Students will be confronted with basic composition and form creation principles of Gestalt psychology. Student will verify known sophisticated composition tasks. This course will take place in the sculptural and design workshop of Faculty of Architecture Psychology in HCI	z aims at multivaria urely statistical co Z,ZK Z,ZK ne fundamentals of Z,ZK ducate a sculptor ues like drawing at wledge gained by a. Z,ZK	te statistical unterpart to 6 6 6 f perception, 6 or designer. nd modeling means of
This course builds of analysis and model B4M36ZKS B4M39NUR Students will get acc B4M39PTV Course aim is to even Another aspect is to to create spontar B4M39PUR1 The aim of the co	Statistical Data Analysis on the skills developed in introductory statistics courses. It is practically oriented and gives an introduction to applied statistics. It mainly elling, i.e., the methods that help to understand, interpret, visualize and model potentially high-dimensional data. It can be seen as a promachine learning and data mining courses. Software Quality Assurance User Interface Design quainted with the theory of human-computer communication and interaction (formal description of user interfaces, formal user models, the cognition, and user information evaluation). Spatial Design voke interest in shape, material and its spatial characteristic with help of sophisticated spatial tasks and studies. It is not intended to endourn students' attention from restricted form of flat computer screens towards free real space and let them by means of basic technique neously. Students will be confronted with basic composition and form creation principles of Gestalt psychology. Student will verify known sophisticated composition tasks. This course will take place in the sculptural and design workshop of Faculty of Architecture Psychology in HCI ourse is that students will master all phases of the research process starting from initial planning up to the translation of their observations.	z aims at multivaria urely statistical co Z,ZK Z,ZK ne fundamentals of Z,ZK ducate a sculptor ues like drawing at whedge gained by a. Z,ZK ations into innovatir	te statistical unterpart to 6 6 6 f perception, 6 or designer. nd modeling means of 6 we design
This course builds of analysis and model B4M36ZKS B4M39NUR Students will get acc B4M39PTV Course aim is to even Another aspect is to to create spontar B4M39PUR1 The aim of the co	Statistical Data Analysis on the skills developed in introductory statistics courses. It is practically oriented and gives an introduction to applied statistics. It mainly elling, i.e., the methods that help to understand, interpret, visualize and model potentially high-dimensional data. It can be seen as a promachine learning and data mining courses. Software Quality Assurance User Interface Design quainted with the theory of human-computer communication and interaction (formal description of user interfaces, formal user models, the cognition, and user information evaluation). Spatial Design voke interest in shape, material and its spatial characteristic with help of sophisticated spatial tasks and studies. It is not intended to endourn students' attention from restricted form of flat computer screens towards free real space and let them by means of basic technique neously. Students will be confronted with basic composition and form creation principles of Gestalt psychology. Student will verify known sophisticated composition tasks. This course will take place in the sculptural and design workshop of Faculty of Architecture Psychology in HCI ourse is that students will master all phases of the research process starting from initial planning up to the translation of their observate able to run applied research projects themselves. Overall the emphasis is laid on practitioner's approach and developing skills needed.	z aims at multivaria urely statistical co Z,ZK Z,ZK ne fundamentals of Z,ZK ducate a sculptor ues like drawing at whedge gained by a. Z,ZK ations into innovatir	te statistical unterpart to 6 6 6 f perception, 6 or designer. nd modeling means of 6 we design
This course builds of analysis and model B4M36ZKS B4M39NUR Students will get acc B4M39PTV Course aim is to even Another aspect is to to create spontar B4M39PUR1 The aim of the coconcepts, so they are	Statistical Data Analysis on the skills developed in introductory statistics courses. It is practically oriented and gives an introduction to applied statistics. It mainly elling, i.e., the methods that help to understand, interpret, visualize and model potentially high-dimensional data. It can be seen as a promachine learning and data mining courses. Software Quality Assurance User Interface Design quainted with the theory of human-computer communication and interaction (formal description of user interfaces, formal user models, the cognition, and user information evaluation). Spatial Design voke interest in shape, material and its spatial characteristic with help of sophisticated spatial tasks and studies. It is not intended to end turn students' attention from restricted form of flat computer screens towards free real space and let them by means of basic technique neously. Students will be confronted with basic composition and form creation principles of Gestalt psychology. Student will verify known sophisticated composition tasks. This course will take place in the sculptural and design workshop of Faculty of Architecture Psychology in HCI ourse is that students will master all phases of the research process starting from initial planning up to the translation of their observative able to run applied research projects themselves. Overall the emphasis is laid on practitioner's approach and developing skills needer in daily design practice across various domains.	zaims at multivaria urely statistical co Z,ZK Z,ZK ne fundamentals of Z,ZK ducate a sculptor ues like drawing at whedge gained by s. Z,ZK ations into innovatir d for adopting thes	6 6 6 f perception, or designer. nd modeling means of 6 ve design se technique
This course builds of analysis and model B4M36ZKS B4M39NUR Students will get acc B4M39PTV Course aim is to even Another aspect is to to create spontar B4M39PUR1 The aim of the coconcepts, so they are B4M39VIZ	Statistical Data Analysis on the skills developed in introductory statistics courses. It is practically oriented and gives an introduction to applied statistics. It mainly elling, i.e., the methods that help to understand, interpret, visualize and model potentially high-dimensional data. It can be seen as a promachine learning and data mining courses. Software Quality Assurance User Interface Design quainted with the theory of human-computer communication and interaction (formal description of user interfaces, formal user models, the cognition, and user information evaluation). Spatial Design ooke interest in shape, material and its spatial characteristic with help of sophisticated spatial tasks and studies. It is not intended to end our students' attention from restricted form of flat computer screens towards free real space and let them by means of basic technique neously. Students will be confronted with basic composition and form creation principles of Gestalt psychology. Student will verify known sophisticated composition tasks. This course will take place in the sculptural and design workshop of Faculty of Architecture Psychology in HCI ourse is that students will master all phases of the research process starting from initial planning up to the translation of their observative able to run applied research projects themselves. Overall the emphasis is laid on practitioner's approach and developing skills needed in daily design practice across various domains. Visualization	z aims at multivaria urely statistical co Z,ZK Z,ZK ne fundamentals of Z,ZK ducate a sculptor ues like drawing ar whedge gained by a. Z,ZK ations into innovatir d for adopting thes	te statistical unterpart to 6 6 6 f perception, or designer. nd modeling means of 6 ve design se technique
This course builds of analysis and model analysis and model B4M39NUR Students will get accompany and the students will be students and the students are students and the students are students and the students are students and the students and the students are students and the students and the students and the students are students and the students and the students are students and the students and the students are students	Statistical Data Analysis on the skills developed in introductory statistics courses. It is practically oriented and gives an introduction to applied statistics. It mainly sliing, i.e., the methods that help to understand, interpret, visualize and model potentially high-dimensional data. It can be seen as a practical machine learning and data mining courses. Software Quality Assurance User Interface Design quainted with the theory of human-computer communication and interaction (formal description of user interfaces, formal user models, the cognition, and user information evaluation). Spatial Design woke interest in shape, material and its spatial characteristic with help of sophisticated spatial tasks and studies. It is not intended to end our students' attention from restricted form of flat computer screens towards free real space and let them by means of basic technique neously. Students will be confronted with basic composition and form creation principles of Gestalt psychology. Student will verify known sophisticated composition tasks. This course will take place in the sculptural and design workshop of Faculty of Architecture Psychology in HCI ourse is that students will master all phases of the research process starting from initial planning up to the translation of their observative able to run applied research projects themselves. Overall the emphasis is laid on practitioner's approach and developing skills needed in daily design practice across various domains. Visualization will get the knowledge of theoretical background for visualization and the application of visualization in real-world examples. The visualization and the application of visualization in real-world examples.	z aims at multivaria urely statistical co Z,ZK Z,ZK ne fundamentals of Z,ZK ducate a sculptor use like drawing an wledge gained by a. Z,ZK ations into innovatind for adopting thes Z,ZK ualization methods	te statistical unterpart to 6 6 6 f perception, d modeling means of 6 ve design se technique 6 s are aimed
This course builds of analysis and model analysis and model B4M39NUR Students will get accompany to the students will get	Statistical Data Analysis on the skills developed in introductory statistics courses. It is practically oriented and gives an introduction to applied statistics. It mainly elling, i.e., the methods that help to understand, interpret, visualize and model potentially high-dimensional data. It can be seen as a promachine learning and data mining courses. Software Quality Assurance User Interface Design quainted with the theory of human-computer communication and interaction (formal description of user interfaces, formal user models, the cognition, and user information evaluation). Spatial Design ooke interest in shape, material and its spatial characteristic with help of sophisticated spatial tasks and studies. It is not intended to end our students' attention from restricted form of flat computer screens towards free real space and let them by means of basic technique neously. Students will be confronted with basic composition and form creation principles of Gestalt psychology. Student will verify known sophisticated composition tasks. This course will take place in the sculptural and design workshop of Faculty of Architecture Psychology in HCI ourse is that students will master all phases of the research process starting from initial planning up to the translation of their observative able to run applied research projects themselves. Overall the emphasis is laid on practitioner's approach and developing skills needed in daily design practice across various domains. Visualization	zaims at multivaria urely statistical co Z,ZK Z,ZK ne fundamentals of Z,ZK ducate a sculptor use like drawing an wledge gained by a. Z,ZK ations into innovatind for adopting thes Z,ZK ualization methods is can help to reveal	te statistical unterpart to 6 6 6 f perception, d modeling means of 6 ve design se technique 6 s are aimed al hidden
This course builds of analysis and model analysis and model B4M39NUR Students will get accompany to the students will get	Statistical Data Analysis on the skills developed in introductory statistics courses. It is practically oriented and gives an introduction to applied statistics. It mainly illing, i.e., the methods that help to understand, interpret, visualize and model potentially high-dimensional data. It can be seen as a prachine learning and data mining courses. Software Quality Assurance User Interface Design quainted with the theory of human-computer communication and interaction (formal description of user interfaces, formal user models, the cognition, and user information evaluation). Spatial Design woke interest in shape, material and its spatial characteristic with help of sophisticated spatial tasks and studies. It is not intended to evolution students' attention from restricted form of flat computer screens towards free real space and let them by means of basic technique neously. Students will be confronted with basic composition and form creation principles of Gestalt psychology. Student will verify know sophisticated composition tasks. This course will take place in the sculptural and design workshop of Faculty of Architecture Psychology in HCI ourse is that students will master all phases of the research process starting from initial planning up to the translation of their observate able to run applied research projects themselves. Overall the emphasis is laid on practitioner's approach and developing skills needed in daily design practice across various domains. Visualization I will get the knowledge of theoretical background for visualization and the application of visualization in real-world examples. The visual the flull power of computer technologies and the characteristics (and limits) of human perception. Well-chosen visualization methods the data that are not evident at the first glance. This in turn enables a more precise analysis of the data, or provides a deeper insight in the data.	zaims at multivaria urely statistical co Z,ZK Z,ZK ne fundamentals of Z,ZK ducate a sculptor use like drawing an wledge gained by a. Z,ZK ations into innovatind for adopting thes Z,ZK ualization methods is can help to reveal	te statistical unterpart to 6 6 6 f perception, d modeling means of 6 ve design se technique 6 s are aimed al hidden
This course builds of analysis and model analysis and model B4M36ZKS B4M39NUR Students will get accompany and specific to create spontar B4M39PUR1 The aim of the company and students will get accompany and specific to the students of the company and students and students will be supported to the students of the stude	Statistical Data Analysis on the skills developed in introductory statistics courses. It is practically oriented and gives an introduction to applied statistics. It mainly illing, i.e., the methods that help to understand, interpret, visualize and model potentially high-dimensional data. It can be seen as a prachine learning and data mining courses. Software Quality Assurance User Interface Design quainted with the theory of human-computer communication and interaction (formal description of user interfaces, formal user models, the cognition, and user information evaluation). Spatial Design voke interest in shape, material and its spatial characteristic with help of sophisticated spatial tasks and studies. It is not intended to expect the properties of the properties of the properties of the properties of Gestalt psychology. Student will verify known sophisticated composition tasks. This course will take place in the sculptural and design workshop of Faculty of Architecture Psychology in HCI Ourse is that students will master all phases of the research process starting from initial planning up to the translation of their observare able to run applied research projects themselves. Overall the emphasis is laid on practitioner's approach and developing skills needer in daily design practice across various domains. Visualization I will get the knowledge of theoretical background for visualization and the application of visualization in real-world examples. The visuality the data that are not evident at the first glance. This in turn enables a more precise analysis of the data, or provides a deeper insight in problem represented by the data. Software or Research Project	zaims at multivaria urely statistical co Z,ZK Z,ZK Defundamentals of Z,ZK ducate a sculptor ues like drawing an wledge gained by E. Z,ZK ations into innovatir d for adopting these scan help to reveant of the core of the KZ	te statistical unterpart to 6 6 6 f perception, 6 or designer. nd modeling means of 6 ve design se technique 6 s are aimed al hidden e particular
This course builds of analysis and model analysis and model B4M36ZKS B4M39NUR Students will get accompany and specific to create spontar B4M39PUR1 The aim of the company and students will be accompany and students and students will be accompany and students and students and students will be accompany and students and	Statistical Data Analysis on the skills developed in introductory statistics courses. It is practically oriented and gives an introduction to applied statistics. It mainly illing, i.e., the methods that help to understand, interpret, visualize and model potentially high-dimensional data. It can be seen as a prachine learning and data mining courses. Software Quality Assurance User Interface Design quainted with the theory of human-computer communication and interaction (formal description of user interfaces, formal user models, the cognition, and user information evaluation). Spatial Design voke interest in shape, material and its spatial characteristic with help of sophisticated spatial tasks and studies. It is not intended to expect the properties of the structure of the properties of the sculptural and design workshop of Faculty of Architecture is that students will be confronted with basic composition and form creation principles of Gestalt psychology. Student will verify known sophisticated composition tasks. This course will take place in the sculptural and design workshop of Faculty of Architecture Psychology in HCI Ourse is that students will master all phases of the research process starting from initial planning up to the translation of their observate able to run applied research projects themselves. Overall the emphasis is laid on practitioner's approach and developing skills needed in daily design practice across various domains. Visualization I will get the knowledge of theoretical background for visualization and the application of visualization in real-world examples. The visual the full power of computer technologies and the characteristics (and limits) of human perception. Well-chosen visualization methods the data that are not evident at the first glance. This in turn enables a more precise analysis of the data, or provides a deeper insight in problem represented by the data.	zaims at multivaria urely statistical co Z,ZK Z,ZK Defundamentals of Z,ZK ducate a sculptor uses like drawing an wledge gained by E. Z,ZK Ations into innovatir d for adopting these scan help to reveal into the core of the KZ Z	te statistical unterpart to 6 6 6 f perception, 6 or designer. nd modeling means of 6 ve design se technique 6 are aimed al hidden e particular 6 25
This course builds of analysis and model analysis and model analysis and model B4M39RUR Students will get accompany to the state of the	Statistical Data Analysis on the skills developed in introductory statistics courses. It is practically oriented and gives an introduction to applied statistics. It mainly illing, i.e., the methods that help to understand, interpret, visualize and model potentially high-dimensional data. It can be seen as a prachine learning and data mining courses. Software Quality Assurance User Interface Design quainted with the theory of human-computer communication and interaction (formal description of user interfaces, formal user models, the cognition, and user information evaluation). Spatial Design voke interest in shape, material and its spatial characteristic with help of sophisticated spatial tasks and studies. It is not intended to expect the students will be confronted with basic composition and form creation principles of Gestalt psychology. Student will verify know sophisticated composition tasks. This course will take place in the sculptural and design workshop of Faculty of Architecture Psychology in HCl ourse is that students will master all phases of the research process starting from initial planning up to the translation of their observance able to run applied research projects themselves. Overall the emphasis is laid on practitioner's approach and developing skills needed in daily design practice across various domains. Visualization Visualization I will get the knowledge of theoretical background for visualization and the application of visualization in real-world examples. The visuality the full power of computer technologies and the characteristics (and limits) of human perception. Well-chosen visualization methods the data that are not evident at the first glance. This in turn enables a more precise analysis of the data, or provides a deeper insight in problem represented by the data. Software or Research Project Diploma Thesis	zaims at multivaria urely statistical co Z,ZK Z,ZK Defundamentals of Z,ZK ducate a sculptor uses like drawing an whedge gained by E. Z,ZK Ations into innovatird for adopting these scan help to reveal to the core of the KZ Z arer branch of study	de statistical unterpart to 6 6 6 6 perception, 6 or designer. 6 nd modeling means of 6 ve design se technique 6 are aimed al hidden e particular 6 25 6, which will
This course builds of analysis and model analysis and model analysis and model B4M39RUR Students will get accompany to the state of the	Statistical Data Analysis on the skills developed in introductory statistics courses. It is practically oriented and gives an introduction to applied statistics. It mainly illing, i.e., the methods that help to understand, interpret, visualize and model potentially high-dimensional data. It can be seen as a practically oriented and gives an introduction to applied statistics. It mainly illing, i.e., the methods that help to understand, interpret, visualize and model potentially high-dimensional data. It can be seen as a practical ground in the provided in the seen as a provided in the provided in the seen as a practical ground in the seen as a	zaims at multivaria urely statistical co Z,ZK Z,ZK Defundamentals of Z,ZK ducate a sculptor uses like drawing an whedge gained by E. Z,ZK Ations into innovatird for adopting these scan help to reveal to the core of the KZ Z arer branch of study	te statistical unterpart to 6 6 6 f perception, 6 or designer. nd modeling means of 6 ve design se technique 6 a are aimed al hidden a particular 6 25 g, which will
This course builds of analysis and model analysis	Statistical Data Analysis on the skills developed in introductory statistics courses. It is practically oriented and gives an introduction to applied statistics. It mainly illing, i.e., the methods that help to understand, interpret, visualize and model potentially high-dimensional data. It can be seen as a proper machine learning and data mining courses. Software Quality Assurance User Interface Design quainted with the theory of human-computer communication and interaction (formal description of user interfaces, formal user models, the cognition, and user information evaluation). Spatial Design Noke interest in shape, material and its spatial characteristic with help of sophisticated spatial tasks and studies. It is not intended to end turn students' attention from restricted form of flat computer screens towards free real space and let them by means of basic technique neously. Students will be confronted with basic composition and form creation principles of Gestalt psychology. Student will verify known sophisticated composition tasks. This course will take place in the sculptural and design workshop of Faculty of Architecture Psychology in HCI Ourse is that students will master all phases of the research process starting from initial planning up to the translation of their observa re able to run applied research projects themselves. Overall the emphasis is laid on practitioner's approach and developing skills needer in daily design practice across various domains. Visualization I will get the knowledge of theoretical background for visualization and the application of visualization in real-world examples. The visual the full power of computer technologies and the characteristics (and limits) of human perception. Well-chosen visualization methods the data that are not evident at the first glance. This in turn enables a more precise analysis of the data, or provides a deeper insight in problem represented by the data. Software or Research Project Diploma Thesis Composition that the board of examiner	zaims at multivaria urely statistical co Z,ZK Z,ZK Defundamentals of Z,ZK ducate a sculptor uses like drawing an whedge gained by E. Z,ZK ations into innovatind for adopting these scan help to reveal to the core of the KZ Z Der branch of studyensive final examinations.	te statistical unterpart to 6 6 6 f perception, 6 or designer. nd modeling means of 8 ve design se technique 6 s are aimed all hidden particular 6 25 y, which will nation.
This course builds of analysis and model analysis and model B4M36ZKS B4M39NUR Students will get accompany to a support of the concepts of the concepts, so they are supported by the concepts of the concepts	Statistical Data Analysis on the skills developed in introductory statistics courses. It is practically oriented and gives an introduction to applied statistics. It mainly illing, i.e., the methods that help to understand, interpret, visualize and model potentially high-dimensional data. It can be seen as a p machine learning and data mining courses. Software Quality Assurance User Interface Design quainted with the theory of human-computer communication and interaction (formal description of user interfaces, formal user models, the cognition, and user information evaluation). Spatial Design oke interest in shape, material and its spatial characteristic with help of sophisticated spatial tasks and studies. It is not intended to expect the students will be confronted with basic composition and form creation principles of Gestalt psychology. Student will verify known sophisticated composition tasks. This course will take place in the sculptural and design workshop of Faculty of Architecture Psychology in HCI ourse is that students will master all phases of the research process starting from initial planning up to the translation of their observance able to run applied research projects themselves. Overall the emphasis is laid on practitioner's approach and developing skills needer in daily design practice across various domains. Visualization will get the knowledge of theoretical background for visualization and the application of visualization in real-world examples. The visuality of human perception. Well-chosen visualization methods the data that are not evident at the first glance. This in turn enables a more precise analysis of the data, or provides a deeper insight in problem represented by the data. Software or Research Project Diploma Thesis Comprehensive work for the Master's degree study programme. A student will choose a topic from a range of topics related to his or by branch department or branch departments. The diploma thesis will be defended in front of the board of examiners for the comp	zaims at multivaria urely statistical co Z,ZK Z,ZK Defundamentals of Z,ZK ducate a sculptor uses like drawing at whedge gained by a. Z,ZK Ations into innovatind for adopting these scan help to reveal the core of the KZ Z Der branch of studyensive final examinations are statistically assisted the core of studyensive final examinations.	te statistical unterpart to 6 6 6 f perception, 6 or designer. Ind modeling means of 6 eve design se technique 6 a are aimed all hidden exparticular 6 25 g, which will nation.

TVV0	Physical education	Z	0
------	--------------------	---	---

For updated information see http://bilakniha.cvut.cz/en/f3.html Generated: day 2024-05-19, time 13:59.