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 comp	rehensive work for the Master's degree study programme. A student will choose a topic from a range of topics related to his of	or her branch of s	tudy, which will
be specified by branch	department or branch departments. The diploma thesis will be defended in front of the board of examiners for the compreher	sive final examination	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
B4M35KO	Combinatorial Optimization Zden k Hanzálek Zden k Hanzálek (Gar.)	Z,ZK	6	3P+2C	L	Ρ
B4M33PAL	Advanced algorithms Marko Genyk-Berezovskyj, Daniel Pr ša, Ond ej Drbohlav Daniel Pr ša Daniel Pr ša (Gar.)	Z,ZK	6	2P+2C	Z	Ρ
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.)	κz	6		Z,L	Ρ
B4M01TAL	Theory of Algorithms Marie Demlová, Natalie Žukovec Marie Demlová Marie Demlová (Gar.)	Z,ZK	6	3P+2S	L	Р

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

B4M35KO	Combinatorial Optimization problems and algorithms of combinatorial optimization (often called discrete optimization; th	ere is a strong ov	erlan with th		Z,ZK	6 b) Following
	gebra, graph theory, and basics of optimization, we show optimization techniques based or	-				
	ace search methods. We focus on application of optimization in stores, ground transportation			-		
scheduling in production	lines, message routing, scheduling in parallel computers.					
1	Advanced algorithms				Z,ZK	6
	and graph representation. Combinatorial algorithms. Application of formal languages theory	y in computer scie	ence - patter	n matching		
B4MSVP	Software or Research Project				KZ	6
B4M01TAL	Theory of Algorithms etical background of the theory of algorithms with the focus at first on the time and space of	complexity of algo	rithms and r			6
	is dealt with the theory of complexity; the classes P, NP, NP-complete, PSPACE and NPSP.					
	ind the classes RP and ZZP introduced.				0	
Name of the bl	ock: Compulsory courses of the specialization					
Minimal numbe	er of credits of the block: 36					
The role of the	block: PO					
Codo of the ar						
•	oup: 2018_MOIPO1					
•	roup: Compulsory subjects of the branch					
Requirement c	redits in the group: In this group you have to gain 36	credits				
Requirement c	ourses in the group: In this group you have to comple	ete 6 cours	ses			
Credits in the g	proup: 36					
Note on the gr						
	Name of the course / Name of the group of courses					
Code	(in case of groups of courses the list of codes of their	Completion	Cradite	Scone	Semester	Role
Code	members)	completion	Creatis	Scope	Semester	Noie
	Tutors, authors and guarantors (gar.)					
B4M39NUR	User Interface Design Zden k Míkovec Zden k Míkovec (Gar.)	Z,ZK	6	2P+2S	Z	PO
B4M39PTV	Spatial Design Marian Karel, Adéla Bébarová Zden k Míkovec Zden k Míkovec (Gar.)	Z,ZK	6	2P+2L	L	PO
B4M39PUR1	Psychology in HCI Jakub Franc, Jan Balata Jakub Franc Jakub Franc (Gar.)	Z,ZK	6	2P+2S	Z	PO
B4M36SAN	Statistical Data Analysis Ji í Kléma Ji í Kléma Ji í Kléma (Gar.)	Z,ZK	6	2P+2C	Z	PO
B4M39VIZ	Visualization Ladislav molík Ladislav molík (Gar.)	Z,ZK	6	2P+2C	L	PO
B4M36ZKS	Software Quality Assurance	Z,ZK	6	2P+2C	Z	
DHMOOZING	Karel Frajták, Miroslav Bureš, Mat j Klíma Miroslav Bureš Miroslav Bureš (Gar.)	2,21	0	21 +20	2	PO
1	the courses of this group of Study Plan: Code=2018_MOIPO1 Nar	ne=Compuls	ory subj	1		
B4M39NUR	User Interface Design nted with the theory of human-computer communication and interaction (formal description of	fuser interfaces f	ormal user n		Z,ZK	6
cognition, and user infor					unuamentais c	n perception,
B4M39PTV	Spatial Design			Z	Z,ZK	6
Course aim is to evoke i	nterest in shape, material and its spatial characteristic with help of sophisticated spatial tas	sks and studies. It	is not inten	ded to educ	ate a sculptor	or designer.
	students' attention from restricted form of flat computer screens towards free real space and				•	•
	Students will be confronted with basic composition and form creation principles of Gestall to tasks. This course will take place in the sculptural and design workshop of Faculty of Arc		aent will veri	y knowledg	je galned by m	leans of
B4M39PUR1	Psychology in HCI				Z,ZK	6
	that students will master all phases of the research process starting from initial planning u	p to the translatio	on of their ot			
	le to run applied research projects themselves. Overall the emphasis is laid on practitioner's	approach and dev	veloping skil	s needed fo	or adopting the	se technique
in daily design practice a						
B4M36SAN	Statistical Data Analysis	aduation to applic	d atatistica		Z,ZK	6
	e skills developed in introductory statistics courses. It is practically oriented and gives an intr i.e., the methods that help to understand, interpret, visualize and model potentially high-dii			-		
machine learning and da				puio	,	
B4M39VIZ	Visualization			2	Z,ZK	6
	et the knowledge of theoretical background for visualization and the application of visualization			The visualiz	ation methods	
	I power of computer technologies and the characteristics (and limits) of human perception.					
problem represented by	a that are not evident at the first glance. This in turn enables a more precise analysis of the the data	e data, or provide:	s a deeper ii	isignt into t	ne core of the	particular
B4M36ZKS	Software Quality Assurance			-	Z,ZK	6
					_,	~

Name of the block: Elective courses Minimal number of credits of the block: 0 The role of the block: V 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 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 h	storical developments in electrical engineering branches in the world and in the Czech Lands. Its ultimate goal is to stimulate s	tudents' interest i	n the history and
traditions of the subje	ect, while highlighting the developments in technical education and professional organizations, the process of shaping scientific	life and the influe	nce of technical
engineers			
B0M16HSD1	History of economy and social studies	Z,ZK	5
This subject deals wi	th the history of the Czech society in the 19th - 21th centuries. It follows the forming of the Czech political representation, its air	ns and achieved i	esults as well as
the social and cultura	I development 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 lectu	re the basic theol	ogic disciplines
are gone through. The	e 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:

	9. o . p .					
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 <i>Ji í Drnek</i>	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 ~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 Co	mpletion	Credits
A003TV	Physical Education	Z	2
B0M16FIL		Z,ZK	5
B0M16HSD1	History of economy and social studies	Z,ZK	5
	with the history of the Czech society in the 19th - 21th centuries. It follows the forming of the Czech political representation, its aims and ac	· .	s as well as
	the social and cultural development and coexistence of the various ethnical groups in the Czech countries.		
B0M16HVT	History of science and technology 2	Z,ZK	5
This subject traces	historical developments in electrical engineering branches in the world and in the Czech Lands. Its ultimate goal is to stimulate students' in	interest in the	history and
traditions of the sul	bject, while highlighting the developments in technical education and professional organizations, the process of shaping scientific life and t	the influence	of technical
	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 ba	•	
are gone through. T	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 know the reliable theologic grounding but also above all to ones who want to know the reliable theologic grounding but also above all to ones who want to know the reliable theologic grounding but also above all to ones who want to know the reliable theologic grounding but also above all to ones who want to know the reliable theologic grounding but also above all to ones who want to know the reliable theologic grounding but also above all to ones who want to know the reliable theologic grounding but also above all to ones who want to know the reliable theologic grounding but also above all to ones who want to know the reliable theologic grounding but also above all to ones who want to know the reliable theologic grounding but also above all to ones who want to know the reliable theologic grounding but also above all to ones who want to know the reliable theologic grounding but also above all to ones who want to know the reliable theologic grounding but also above all to ones who want to know the reliable theologic grounding but also above all to ones who want to know the reliable theologic grounding but also above all to ones who want to know the reliable theologic grounding but also above all to ones who want to know the reliable theologic grounding but also above all to ones who want to know the reliable theologic grounding but also above all to ones who want to know the reliable theologic grounding but also above all to ones who want to know the reliable theologic grounding but also above all to ones who want to know the reliable theologic grounding but also above all to ones who want to know the reliable theologic grounding but also above all to ones who want to know the reliable theologic grounding but also above all to ones who want to know the reliable theologic group all to ones who want to know theologic group all to ones who want to know the reliable theologic	nt to get know	Christianity
	- 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, sec		
of algorithms. Furt	ther it is dealt with the theory of complexity; the classes P, NP, NP-complete, PSPACE and NPSPACE are treated and properties of them in	nvestigated. P	robabilistic
D 4MOO DAL	algorithms are studied and the classes RP and ZZP introduced.	7 71/	
B4M33PAL	Advanced algorithms	Z,ZK	6
	graph algorithms and graph representation. Combinatorial algorithms. Application of formal languages theory in computer science - patter		
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 operat		
	near algebra, graph theory, and basics of optimization, we show optimization techniques based on graphs, integer linear programming, he		
algorithms and st	tate space search methods. We focus on application of optimization in stores, ground transportation, flight transportation, logistics, plannin	ng of human re	esources,
	scheduling in production lines, message routing, scheduling in parallel computers.		
B4M36SAN	Statistical Data Analysis	Z,ZK	6
This course builds d	on the skills developed in introductory statistics courses. It is practically oriented and gives an introduction to applied statistics. It mainly aims	s at multivaria	te statistica
This course builds d	on the skills developed in introductory statistics courses. It is practically oriented and gives an introduction to applied statistics. It mainly aims illing, i.e., the methods that help to understand, interpret, visualize and model potentially high-dimensional data. It can be seen as a purely	s at multivaria	te statistica
This course builds of analysis and mode	on the skills developed in introductory statistics courses. It is practically oriented and gives an introduction to applied statistics. It mainly aims Iling, i.e., the methods that help to understand, interpret, visualize and model potentially high-dimensional data. It can be seen as a purely machine learning and data mining courses.	s at multivaria	te statistica unterpart to
This course builds of analysis and mode B4M36ZKS	on the skills developed in introductory statistics courses. It is practically oriented and gives an introduction to applied statistics. It mainly aims elling, i.e., the methods that help to understand, interpret, visualize and model potentially high-dimensional data. It can be seen as a purely machine learning and data mining courses. Software Quality Assurance	s at multivaria statistical co Z,ZK	te statistica unterpart to 6
This course builds of analysis and mode B4M36ZKS B4M39NUR	on the skills developed in introductory statistics courses. It is practically oriented and gives an introduction to applied statistics. It mainly aims elling, i.e., the methods that help to understand, interpret, visualize and model potentially high-dimensional data. It can be seen as a purely machine learning and data mining courses. Software Quality Assurance User Interface Design	s at multivaria statistical cou Z,ZK Z,ZK	te statistica unterpart to 6 6
This course builds of analysis and mode B4M36ZKS B4M39NUR	on the skills developed in introductory statistics courses. It is practically oriented and gives an introduction to applied statistics. It mainly aims silling, i.e., the methods that help to understand, interpret, visualize and model potentially high-dimensional data. It can be seen as a purely machine learning and data mining courses. Software Quality Assurance User Interface Design	s at multivaria statistical cou Z,ZK Z,ZK	te statistica unterpart to 6 6
This course builds of analysis and mode B4M36ZKS B4M39NUR Students will get acc	on the skills developed in introductory statistics courses. It is practically oriented and gives an introduction to applied statistics. It mainly aims elling, i.e., the methods that help to understand, interpret, visualize and model potentially high-dimensional data. It can be seen as a purely machine learning and data mining courses. Software Quality Assurance User Interface Design equainted with the theory of human-computer communication and interaction (formal description of user interfaces, formal user models, the fur cognition, and user information evaluation).	s at multivaria statistical cou Z,ZK Z,ZK ndamentals of	te statistica unterpart to 6 6 perception
This course builds of analysis and mode B4M36ZKS B4M39NUR Students will get act B4M39PTV	on the skills developed in introductory statistics courses. It is practically oriented and gives an introduction to applied statistics. It mainly aims elling, i.e., the methods that help to understand, interpret, visualize and model potentially high-dimensional data. It can be seen as a purely machine learning and data mining courses. Software Quality Assurance User Interface Design equainted with the theory of human-computer communication and interaction (formal description of user interfaces, formal user models, the fur cognition, and user information evaluation). Spatial Design	s at multivaria statistical cou Z,ZK Z,ZK ndamentals of Z,ZK	te statistica unterpart to 6 perception 6
This course builds of analysis and mode B4M36ZKS B4M39NUR Students will get act B4M39PTV Course aim is to ev	on the skills developed in introductory statistics courses. It is practically oriented and gives an introduction to applied statistics. It mainly aims elling, i.e., the methods that help to understand, interpret, visualize and model potentially high-dimensional data. It can be seen as a purely machine learning and data mining courses. Software Quality Assurance User Interface Design equainted with the theory of human-computer communication and interaction (formal description of user interfaces, formal user models, the fur 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 educate	z,ZK Z,ZK damentals of Z,ZK damentals of Z,ZK tte a sculptor of	te statistica unterpart to 6 perception 6 por designer
This course builds of analysis and mode B4M36ZKS B4M39NUR Students will get act B4M39PTV Course aim is to ev Another aspect is to	on the skills developed in introductory statistics courses. It is practically oriented and gives an introduction to applied statistics. It mainly aims elling, i.e., the methods that help to understand, interpret, visualize and model potentially high-dimensional data. It can be seen as a purely 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 fur 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 educat o turn students' attention from restricted form of flat computer screens towards free real space and let them by means of basic techniques li	z,ZK Z,ZK damentals of Z,ZK damentals of Z,ZK tte a sculptor of ike drawing ar	te statistica unterpart to 6 perception 6 pr designer nd modeling
This course builds of analysis and mode B4M36ZKS B4M39NUR Students will get act B4M39PTV Course aim is to ev Another aspect is to	on the skills developed in introductory statistics courses. It is practically oriented and gives an introduction to applied statistics. It mainly aims elling, i.e., the methods that help to understand, interpret, visualize and model potentially high-dimensional data. It can be seen as a purely 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 fur 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 educat o turn students' attention from restricted form of flat computer screens towards free real space and let them by means of basic techniques lin neously. Students will be confronted with basic composition and form creation principles of Gestalt psychology. Student will verify knowledge	z,ZK Z,ZK damentals of Z,ZK damentals of Z,ZK tte a sculptor of ike drawing ar	te statistica unterpart to 6 perception 6 or designer. nd modeling
This course builds of analysis and mode B4M36ZKS B4M39NUR Students will get act B4M39PTV Course aim is to ev Another aspect is to to create spontar	on the skills developed in introductory statistics courses. It is practically oriented and gives an introduction to applied statistics. It mainly aims elling, i.e., the methods that help to understand, interpret, visualize and model potentially high-dimensional data. It can be seen as a purely 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 fur 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 educat o turn students' attention from restricted form of flat computer screens towards free real space and let them by means of basic techniques li neously. Students will be confronted with basic composition and form creation principles of Gestalt psychology. Student will verify knowledge sophisticated composition tasks. This course will take place in the sculptural and design workshop of Faculty of Architecture.	z,ZK Z,ZK damentals of Z,ZK damentals of Z,ZK te a sculptor of ike drawing ar ge gained by	te statistica unterpart to 6 perception 6 or designer nd modeling means of
This course builds of analysis and mode B4M36ZKS B4M39NUR Students will get act B4M39PTV Course aim is to ev Another aspect is to to create spontar B4M39PUR1	on the skills developed in introductory statistics courses. It is practically oriented and gives an introduction to applied statistics. It mainly aims elling, i.e., the methods that help to understand, interpret, visualize and model potentially high-dimensional data. It can be seen as a purely 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 fur 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 educat o turn students' attention from restricted form of flat computer screens towards free real space and let them by means of basic techniques lif neously. Students will be confronted with basic composition and form creation principles of Gestalt psychology. Student will verify knowledge sophisticated composition tasks. This course will take place in the sculptural and design workshop of Faculty of Architecture. Psychology in HCI	z,ZK Z,ZK Z,ZK damentals of Z,ZK te a sculptor of ike drawing ar ge gained by Z,ZK	te statistica unterpart to 6 6 6 or designer. nd modeling means of 6
This course builds of analysis and mode B4M36ZKS B4M39NUR Students will get act B4M39PTV Course aim is to ev Another aspect is to to create spontar B4M39PUR1 The aim of the co	on the skills developed in introductory statistics courses. It is practically oriented and gives an introduction to applied statistics. It mainly aims elling, i.e., the methods that help to understand, interpret, visualize and model potentially high-dimensional data. It can be seen as a purely 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 fur 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 educat o turn students' attention from restricted form of flat computer screens towards free real space and let them by means of basic techniques lif neously. Students will be confronted with basic composition and form creation principles of Gestalt psychology. Student will verify knowledge 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	s at multivaria statistical cou Z,ZK Z,ZK ndamentals of Z,ZK the a sculptor of ike drawing ar ge gained by Z,ZK s into innovation	te statistica unterpart to 6 perception 6 or designer nd modeling means of 6 ve design
This course builds of analysis and mode B4M36ZKS B4M39NUR Students will get act B4M39PTV Course aim is to ev Another aspect is to to create spontar B4M39PUR1 The aim of the co	on the skills developed in introductory statistics courses. It is practically oriented and gives an introduction to applied statistics. It mainly aims elling, i.e., the methods that help to understand, interpret, visualize and model potentially high-dimensional data. It can be seen as a purely 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 fur 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 educat o turn students' attention from restricted form of flat computer screens towards free real space and let them by means of basic techniques lif neously. Students will be confronted with basic composition and form creation principles of Gestalt psychology. Student will verify knowledge 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 ire able to run applied research projects themselves. Overall the emphasis is laid on practitioner's approach and developing skills needed for a	s at multivaria statistical cou Z,ZK Z,ZK ndamentals of Z,ZK the a sculptor of ike drawing ar ge gained by Z,ZK s into innovation	te statistica unterpart to 6 perception 6 or designer nd modeling means of 6 ve design
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