Courses for Erasmus/International Exchange Students Academic year 2013/2014 Faculty of Architecture, Brno University of Technology, CZ BRNO01

	Hours per								
Code	Course Title	Dept.	Teacher	ECTS	week	Semester			
ST1	Studio - FREE ASSIGNMENT I	FA		16	8	winter			
Studio archite applica Archite annexe the ana the ass ST2 Studio archite applica Archite annexe	assignment for Winter term. Creative s cture. It is based on the "learning by do ition. It consists in the dialogue of the t ctural design of a construction and its es, according to the assignment – situal alytical and the design part of an urban signment. Studio - FREE ASSIGNMENT II assignment for Summer term. Creative cture. It is based on the "learning by do tion. It consists in the dialogue of the t ctural design of a construction and its es, according to the assignment – situal alytical and the design part of an urban	FA FA bing" m eacher local re plannir FA e studic bing" m eacher local re local re tion pla	ethod, i.e. gaining knowledg with the student over a proj lationships; the solution is o in, views, sections, model, t ng study. The structural solu work is the main and esse ethod, i.e. gaining knowledg with the student over a proj lationships; the solution is o in, views, sections, model, t	ial mear ge and s ect that locumer echnica ution is i 16 ntial me ge and s ect that locumer echnica	hs of teachir kills by prac is being dev nted by the r I report, or, ndividual ac 8 ans of teach kills by prac is being dev nted by the r I report, or,	ng etical veloped. espective possibly, cording to summer hing etical veloped. respective possibly,			
	signment.		Vrabelová Renata, Ing.			winter or			
1M6	Contemporary Architecture	UN2	arch.	2		summer			
provide	n of this subject is to make students a review of contemporary Czech archite porary creation and the historical refle	ecture,							
2M6	Management and valorize of cultural heritage	UN6	Zemánková Helena, prof. Ing. arch., CSc.	2	2	winter or summer			
new uti factorie	urse considers cities of tomorrow, thei lization, as well as the Industrialization es, new owners, temporary usage, dan e as a part of the development of herit	Era. Tl gers ar	he current situation of indus	trial her	itage, aband	doned			
3M6	Development planning of the city and region	UT	Wittmann Maxmilián, doc. Ing. arch., Ph.D.	2	2	winter or summer			
	ts learn theoretical principles and rules onal and spatial composition, in addition	•							
UTP	Urbanism V - Territorial Planning	UT	Wittmann Maxmilián, doc. Ing. arch., Ph.D.	4	2	winter or summer			
fundam elemen urban a and the lectures develop	bject "Formation of Urban and Landsc nental urbanism studies, covering prim hts and the urban development concep and rural environments. Detailed analy eir applicability to the modern city (com s and tutorials is devoted to the fundar pment on today's design. The course a itation and protection of the landscape	arily fur it. The c ses are positior nentals also cov	nctional relationships at the course deals with the interpre- made of the historical princ n, problems of new forms, e of garden design and to the	level of retation ciples of etc.). A s	the individuation and formation spatial orgation econd series ace of histori	on of the anization s of ic			

			Wittmann Maxmilián, doc.			winter or
-	Urban Composition	UT	Ing. arch., Ph.D.	3		summer
	ourse "Urban composition" resumes the	•		-		
	pment also the functional, operational	•	•			
	re. The subject deals with the urban st					
	the interpretation and formation of the		-			
	organisation and their applicability to t					
	nentals of garden design and to the req pment problems of the settlements nat			ne subje	ect covers a	so the
uevelu	prinerit problems of the settlements had	luiai en	vironment.			
	1	r –	1			
			Zemánková Helena, prof.			winter or
6X8	Conversion of buildings	UN4	Ing. arch., CSc.	2	2	summer
The course focuses on assessing industrial heritage and finding ways for its renewal, preservation and new						
utilizati	on. This subject is also open to foreigr	n studer	nts who speak English or Fr	ench.		
			Šlapeta Vladimír, prof.			
ARC	Architecture of 20th Century	UΤ	Ing. arch., DrSc.	3	2	summer
	cted chapters is explained the archited		•	mia Mo		
	and worldwide in connection with the					
	leading personalities of modern archite		offent of styles and tendent	Jes, exp	Jaining also	Ciuciai
	leading personalities of modern archite	ecture.				
			Wittmann Maxmilián, doc.			winter or
ZAA	Landscape Architecture	UT	Ing. arch., Ph.D.	3	2	summer
	ptional subject "Landscape architecture		9	Ŷ		
-	zational and spatial relationships at the					
	ts get acquainted with the past and pre				•	
	ne in its relation to urban design and a					
	ban designer are the properties of the					
also pu	it on the principles and rules of plannir	ng, mak	ing and maintaining green s	spaces.	In classes a	nd tutorials
studen	ts get acquainted with the best examp	les of in	nplemented garden archited	cture, re	constructed	gardens
and pa	rks and newly established green areas	S.				
		r –	×			
			Žabičková Ivana, doc.			
SCA	Structural calculations 1	US	Ing., CSc.	2		winter
Studen	nts learn main principles of structural de	esign a	nd simple static calculations	s of parti	icular constr	uction
elemer	nts according to the European standard	ds. Stud	dents can choose structural	materia	l - steel, tim	ber or
mason	ry. For entry to the course it is necessa	ary to ki	now basic principles of struc	ctural m	echanics.	
		-				
			Žabičková Ivana, doc.			
804	Structural calculations 2	110	Ing., CSc.	2	2	summer
SCA		US	•			
	nts learn main principles of structural d	-	•	-		
	nts according to the European standard					ber or
mason	ry. For entry to the course it is necessa	ary to ki	now basic principles of struc	ctural m	echanics.	
				1		
	Building structures, Environment and		Suchánek Petr, Ing.,			
BUS	Energy	US	Ph.D.	2	2	summer
The co	urse is divided into four main blocks d	ealing v	vith environment and structu	Iral prop	perties of bu	ildinas -
	al Insulation and Energy, Acoustics an	-				-
	gs and is aimed to a final energy asses	-	-			
	nent of buildings - heating and water pr					
	3 deals with acoustic properties of strue	clures a	and buildings and almes to c	Joinpiete	e design of a	a space lor
cultura	Incompany Disals A deals - 10 Police		along of lighting and the second	-	•	
	I purposes. Block 4 deals with lighting	and dea	sign of lighting systems.	-	U U	
	I purposes. Block 4 deals with lighting	and de	sign of lighting systems.	-	Ū.	

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BSA	Basic Structures for Architects	US	Petříčková Monika, Ing., Ph.D.	2	2	summer
leads to archite moderr subject	nts the students with the theoretical for o the knowledge of static action of an ct, the knowledge of the fundamental la n logic basis of the most important s t is conceived in the spirit of the com al application.	d strain aws of s tage of	n in the supporting elements structural mechanics is indi his work, i.e. the formulation	s of buil spensal on of the	ding structu ble, since it e concept.	ires. For an is the The
equival 2. Basi 3. Calc forces 4. Cros 6.Plana section 8.Basic diagrar 9. Simp 10. The of the of 11. Sho influence	c types of statically determinate beams sulation of support reactions. Compone diagrams. Solution of basic types of pla ss-section characteristics of the planar ar trusses. Calculation model, static de	s. Calcu ents of in anar be figures finitene peflections and the ess proor rential e the of the beam.	ulation model of planar bean nternal forces, differential ec- eams - simply supported bea ess, noncorect cases. Metho on, strain, stress. Linear beh e stresses. Simple tension - duced by bending. Design a equation of the deformation I e shear. Shearing stress in	n, load a quilibriur am and o od of joir aviour, n - stress, nd chec line. The the thin-	actions, sup m conditions cantilever. hts and meth material law strain, defle k of bent gin e methods c	ports. s, internal hod of /s, working ection. rders. of solution
	Computer Technology II - 2D					winter or
design	modelling urse provides basic information in the . It covers the fundamentals of 2D com c with vector editor AutoCAD 2010.				in architect	
	Rhinoceros bject will learn students to manage 3D sation in Computer Aided Design. Rhin				delling) and	
EFC	Effective communication 1	US	Lojda Jan, doc. Ing., CSc.	2	2	winter
focuses rhetoric - princi - impor - how t - objec - identi - negot - argun - work	ping students' skills in leadership, mar s on presentations, c and principles of public relations. ples of communication tance of personal development o be convincing tives of communication fication of partner in communication tiation nentation with complaining ng succesfull entertaintment (win – win			negotiat	tion, the cou	irse

EFC	Effective communication 2	US	Lojda Jan, doc. Ing., CSc.	2		summer
Develo	W-UP COURSE FOR STUDENTS W ping students' skills in leadership, mar					
	s on presentations, c and principles of public relations.					- definition
	inatory of presentation					
- struct	uring of message					
	language and voice					
	ging nervosity ging presentation – work with big grou	ps				
- calcu	lation of presentations					
	tive achievement measuring					
- feedb	ack from presentation		1	1	T	
MFA	Marketing for Architects 1	US	Lojda Jan, doc. Ing., CSc.	2	2	winter
The air	n of the course is to acquaint the stude	ents wit	h the principles of custome	r relation	hs and to he	lp them
	tand the significance					
	<pre>keting practice for their own freelance a eting aims</pre>	activitie	S.			
	onents of marketing					
	BP) in magemting					
	eting plan eting communication					
	eting strategies					
- pricin						
	he descrition					
-	etitors description					
	I client description atory of set of small minicases market	tina top	ics			
-1		3.41				
	Marketing for Architects 2	US	Lojda Jan, doc. Ing., CSc.	2		summer
	W-UP COURSE FOR STUDENTS W					
	the course is to acquaint the students tand the significance	with the	e principles of customer rea	ations ar	ia to neip th	em
	keting practice for their own freelance	activitie	S.			
	eting strategy of the SME					
	al and external marketing communicat	tion				
	ery strategy gy of the blue ocean					
	atory of individual marketing plan					
MME	Basic Management for Architects 1	US	Lojda Jan, doc. Ing., CSc.	2	2	winter
The air	n of the course is to acquaint the stude	ents wit	h the most frequently used	techniqu	ues of busin	ess
-	ement and to teach the					
	ts to use them in daily life. y of management theory					
	aches to management					
	itative mehods in management					
	gement technics at all					
	gement communication at all					
	ation skills ation skills					
- leade						
	ng of meetings					

-		-				
MME	Basic Management for Architects 2	US	Lojda Jan, doc. Ing., CSc.	2	2	summer
	-			- WINT		
FOLLC aim of 1 manag student - strate - portfo - porter - mana - mana - mana PMA The co	W-UP COURSE FOR STUDENTS W the course is to acquaint the students mement and to teach the ts to use them in daily life. ergic management olio management r's five forces agement of change agement of stocks agement of renewal	HO AT with the	TENDED THE COURSE OF most frequently used techr Lojda Jan, doc. Ing., CSc.	niques o	ER SEMES f business	TER The
 Struct Comp Prepa Finan Staff t Negot Monit Risk r Contra 	uture of project management openents od the project management ponents od the PM acial resources resources and recruitment tation about the project poring, reporting and feedback on the p management act management guration management	roject				
PMA	Project management 2	FA	Lojda Jan, doc. Ing., CSc.	2	2	summer
course - Differd - Intern - In-cor - Public - PM de - Proble	OW-UP COURSE FOR STUDENTS W deals with the general problems of pro- ent types of Projects mpany projects c funding efending ems of reporting g own project and its defense in group					
FIG1	Figural Drawing	UZ	Šebánek Jan, Mgr.	2	2	winter or summer
Evolutio	on cartoon skill and knowledge in appli	ication	on figure drawing			
VT9	Art - Drawing I	UZ	Navrátil Aleš, Ing. arch., Ph.D.	2		winter
analysi express parallel and of the vie	ag and the effort to grasp its potential. is of the space and object seen. Ge sive potential of its correct mastering. I line. Ability to create illusion of the thi the volume of bodies of which it consi ewer. Drawing of architectural space co g. Knowledge of the laws of linear per	tting ac Drawir ird dime sts. Ma onstrain	quainted with the tools of d ng treatment of an area and ension in a plane. Drawing c astering of perspective posi ed by two planes, and its c	rawing a d its opti of a simp tioning qualitativ	and checkin cal alteration ole geometric of objects ve analysis b	ng the n by a ical space towards by a

VT8	Art - Colour	UZ	Navrátil Aleš, Ing. arch., Ph.D.	2	2	summer						
The wo	prk in this subject is divided in three ph	ases li	the first phase it is importa	int to co	me up – to o	create a						
	strong drawing of spatial (architectonic) structure which is not strain by any conditions of realization. The											
-	g is very free and based only on the co											
	not overburdened by any extra elements. In the second phase this drawing serves as base for making											
	nt painting, monotype, painted on the					U						
-	ing for the colourful variations in the fra	-	-	-								
the abs	stract form in which it serves only as a	free gu	ideline. The last phase has	its base	on chosen	overprint						
	g or only on its part which is transform											
	e computer it is adjust to the artistically											
	hases its structure (drawings and print	,			•							
•	le to make the drawing on the sheet m											
						press. Transform the drawing into the press matrix and change press colours on the specific base etc.						
Unfortunately the most of the needed materials, except the paper, students have to reimburse themselves.												
		,			nourse then	nselves.						
		,				nselves.						
		,	Navrátil Aleš, Ing. arch.,			nselves.						
	Art - Drawing II	UZ	Γ	2		nselves. summer						
VT10		UZ	Navrátil Aleš, Ing. arch., Ph.D.	2	2	summer						
VT10 Drawin	Art - Drawing II	UZ Unders	Navrátil Aleš, Ing. arch., Ph.D. tanding of the significance o	2 of drawir	2 ng as a mea	summer ans of						
VT10 Drawin interpre	Art - Drawing II og and the effort to grasp its potential.	UZ Unders d obje	Navrátil Aleš, Ing. arch., Ph.D. tanding of the significance o ct seen. Getting acquainted	2 of drawin with the	2 ng as a mea e tools of dr	summer ans of rawing, and						
VT10 Drawin interpre checkii space	Art - Drawing II og and the effort to grasp its potential. etation and analysis of the space an ng the expressive potential of its co and of the volumes of bodies of which	UZ Unders d objec rrect m	Navrátil Aleš, Ing. arch., Ph.D. tanding of the significance of ct seen. Getting acquainted astering. Drawing treatmer	2 of drawin with the	2 ng as a mea e tools of di simple geom	summer ans of rawing, and netric						
VT10 Drawin interpre checkin space viewer,	Art - Drawing II og and the effort to grasp its potential. etation and analysis of the space an ong the expressive potential of its co and of the volumes of bodies of which , and its correct mastering.	UZ Unders d objec rrect m it cons	Navrátil Aleš, Ing. arch., Ph.D. tanding of the significance of ct seen. Getting acquainted astering. Drawing treatmer ists. Perspective positionin	2 of drawin with the nt of a s g of ob	2 ng as a mea e tools of dr simple geom simple towa	summer ans of rawing, and netric rds the						
VT10 Drawin interpre checkii space viewer, Analys	Art - Drawing II og and the effort to grasp its potential. etation and analysis of the space an ng the expressive potential of its co and of the volumes of bodies of which , and its correct mastering. is by drawing of an architectural space	UZ Unders d objec rrect m it cons and of	Navrátil Aleš, Ing. arch., Ph.D. tanding of the significance of ct seen. Getting acquainted astering. Drawing treatmer ists. Perspective positionin the geometric volume of 1	2 of drawin with the nt of a s g of ob	2 ng as a mea e tools of dr simple geom jects towa Proportiona	summer ans of rawing, and netric rds the I analysis						
VT10 Drawin interpre checkin space viewer, Analys and bu	Art - Drawing II og and the effort to grasp its potential. etation and analysis of the space an ing the expressive potential of its co and of the volumes of bodies of which , and its correct mastering. is by drawing of an architectural space ilding of the human figure by drawing	UZ Unders d object rrect m it cons and of , in its s	Navrátil Aleš, Ing. arch., Ph.D. tanding of the significance of ct seen. Getting acquainted astering. Drawing treatmer ists. Perspective positionin the geometric volume of l successive steps - scull - wh	2 of drawin with the nt of a s g of ob bones. nole ske	2 ng as a mea e tools of di simple geom jects towa Proportiona eleton - head	summer ans of rawing, and netric rds the I analysis d - detail -						
VT10 Drawin interpre checkin space viewer, Analys and bu whole t	Art - Drawing II og and the effort to grasp its potential. etation and analysis of the space an ng the expressive potential of its co and of the volumes of bodies of which , and its correct mastering. is by drawing of an architectural space	UZ Unders d object rrect m it cons and of , in its s model,	Navrátil Aleš, Ing. arch., Ph.D. tanding of the significance of ct seen. Getting acquainted astering. Drawing treatmer ists. Perspective positionin the geometric volume of l successive steps - scull - wh with view to its architectonic	2 of drawin with the nt of a s g of ob bones. nole ske	2 ng as a mea e tools of di simple geom jects towa Proportiona eleton - head	summer ans of rawing, and netric rds the I analysis d - detail -						

Updated on May 31, 2013