Study plan

Name of study plan: Bakalářský AU 2020

Faculty/Institute/Others:
Department:
Branch of study guaranteed by the department: Welcome page
Garantor of the study branch:
Program of study: Architecture and Urbanism
Type of study: Bachelor full-time
Required credits: 172
Elective courses credits: 8
Sum of credits in the plan: 180
Note on the plan:

Name of the block: Compulsory courses
Minimal number of credits of the block: 164
The role of the block: Z

Code of the group: ZANZAT2020
Name of the group: Základy architektonického navrhování 2020
Requirement credits in the group: In this group you have to gain at least 11 credits (at most 13)
Requirement courses in the group: In this group you have to complete 2 courses
Credits in the group: 11
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
528ZAT	**Basics of Architectural Design** *Tomáš Durdis, Lukáš Kohout, Claudia Schmidt, Anna Sigmundová, Michaela Brožová, Petr Kordovský, Lukáš Liesler, Kateřina Rottová, Lucie Kirovová* ***Kateřina Rottová***	KZ	6	1P+5C		z
527ZAT	**Basics of Architectural Design** *Michaela Brožová, Pavel Ullmann, Daria Balejová Bártová, Šárka Sodomková, Martina Buřičová, Jiří Hůrka, Luis Marques*	KZ	6	1P+5C		z
518ZAT	**Basics of Architectural Design** *Michaela Brožová, Kamila Amblerová, Radim Karásek, Oldřich Sládek, Marek Blank, Martin Rössler, David Belko, Jan Kazimour* ***Michaela Brožová*** *Michaela Brožová (Gar.)*	KZ	6	1P+5C		z
515ZAT	**Basics of Architectural Design** *Michaela Brožová, Magdalena Koubek Michaličková, Lenka Bednářová Lenka Bednářová (Gar.)*	KZ	6	1P+5C		z
529ZAT	**Basics of Architectural Design** *Michaela Brožová, Jiří Hůrka, Luis Marques, Gabriela Nováková, Michal Šrámek, Josef Čančík Michaela Brožová (Gar.)*	KZ	6	1P+5C		z
527ZANB	**Basics of Architectural Design** *Michaela Brožová, Pavel Ullmann, Daria Balejová Bártová, Šárka Sodomková, Martina Buřičová, Lenka Levíčková, Jakub Herza, Petr Pištěk, Michaela Mrázová Michaela Brožová (Gar.)*	KZ	7	0P+6C		z
515ZANB	**Basics of Architectural Design** *Michaela Brožová, Magdalena Koubek Michaličková, Lenka Bednářová Lenka Bednářová (Gar.)*	KZ	7	0P+6C		z
518ZANB	**Basics of Architectural Design** *Michaela Brožová, Kamila Amblerová, Karolína Kripnerová, Oldřich Sládek, Marek Blank, Martin Rössler, Jan Kazimour, Veronika Kulhavá, Petra Hlaváčková* ***Jan Kazimour***	KZ	7	0P+6C		z
528ZANB	**Basics of Architectural Design** *Tomáš Durdis, Lukáš Kohout, Claudia Schmidt, Anna Sigmundová, Michaela Brožová, Petr Kordovský, Lukáš Liesler, Kateřina Rottová, Lucie Kirovová Michaela Brožová (Gar.)*	KZ	7	0P+6C		z
529ZANB	**Basics of Architectural Design** *Michaela Brožová, Petr Kordovský, Jiří Hůrka, Luis Marques, Michal Šrámek, Josef Čančík, Vojtěch Beran, Zuzana Retterová, Barbora Féret, ... Michaela Brožová (Gar.)*	KZ	7	0P+6C		z

Characteristics of the courses of this group of Study Plan: Code=ZANZAT2020 Name=Základy architektonického navrhování 2020

528ZAT	Basics of Architectural Design	KZ	6

527ZAT	Basics of Architectural Design	KZ	6
518ZAT	Basics of Architectural Design	KZ	6
515ZAT	Basics of Architectural Design	KZ	6
529ZAT	Basics of Architectural Design	KZ	6
527ZANB	Basics of Architectural Design	KZ	7
515ZANB	Basics of Architectural Design	KZ	7
518ZANB	Basics of Architectural Design	KZ	7
528ZANB	Basics of Architectural Design	KZ	7
529ZANB	Basics of Architectural Design	KZ	7

Code of the group: ATBS
Name of the group: Ateliér - bytové stavby
Requirement credits in the group: In this group you have to gain at least 8 credits (at most 9)
Requirement courses in the group: In this group you have to complete 1 course
Credits in the group: 8
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
518ATBS	**Studio-Residential Buildings** *David Belko, Ondřej Tuček, Miroslav Pazdera, Ondřej Císler, Michal Kohout, Irena Šestáková, Boris Redčenkov, David Tichý, Roman Koucký, ...* ***Ondřej Císler*** *Ondřej Císler (Gar.)*	KZ	8	0P+8C		z
514ATBS	**Studio-Residential Buildings** *Tomáš Efler, Václav Girsa, Pavel Gregor, Martin Čtverák Václav Girsa (Gar.)*	KZ	8	0P+8C		z
515ATBS	**Studio-Residential Buildings** *Vladimír Soukenka*	KZ	8	0P+8C		z
516ATBS	**Studio-Residential Buildings**	KZ	9	0P+8C		z
520ATBS	**Studio-Residential Buildings**	KZ	8	0P+8C		z
527ATBS	**Studio-Residential Buildings** *Ján Stempel, Radek Lampa, Tomáš Hradečný, Zdeněk Rothbauer, Miroslav Cikán, Vojtěch Sosna, Jan Jakub Tesař, Tomáš Novotný, Alena Šrámková, ...* ***Alena Šrámková***	KZ	8	0P+8C		z
528ATBS	**Studio-Residential Buildings** *Petr Kordovský, Martin Čeněk, Štěpán Tomš, Ladislav Vrbata, Hana Seho, Josef Mádr, Dalibor Hlaváček, Zdeněk Zavřel, Štěpán Valouch, ... Zdeněk Zavřel (Gar.)*	KZ	8	0P+8C		z
529ATBS	**Studio-Residential Buildings** *Marek Chalupa, Jan Šépka, Petr Hájek, Ladislav Lábus, Vladimír Krátký, Jan Sedlák, Petr Suske, Vaso Perovič, Mirko Baum, ...* ***Jan Šépka*** *Marek Chalupa (Gar.)*	KZ	8	0P+8C		z
540ATBST	**Studio-Residential Buildings** *Dalibor Hlaváček, Winny Maas Dalibor Hlaváček (Gar.)*	KZ	8	0P+8C		z
519ATBS	**Studio-Residential Buildings** *Tomáš Zmek, Michal Kuzemenský, Ivan Plicka, Jiří Klokočka, Radek Kolařík, Antonín Topinka, Jan Novotný, Jonáš Krýzl, Jana Zdráhalová, ... Tomáš Zmek (Gar.)*	KZ	8	0P+8C		z

Characteristics of the courses of this group of Study Plan: Code=ATBS Name=Ateliér - bytové stavby

518ATBS	Studio-Residential Buildings	KZ	8
514ATBS	Studio-Residential Buildings	KZ	8
515ATBS	Studio-Residential Buildings	KZ	8
516ATBS	Studio-Residential Buildings	KZ	9
520ATBS	Studio-Residential Buildings	KZ	8
527ATBS	Studio-Residential Buildings	KZ	8
528ATBS	Studio-Residential Buildings	KZ	8
529ATBS	Studio-Residential Buildings	KZ	8
540ATBST	Studio-Residential Buildings	KZ	8
519ATBS	Studio-Residential Buildings	KZ	8

Code of the group: ATOS
Name of the group: Ateliér - občanské stavby
Requirement credits in the group: In this group you have to gain at least 8 credits (at most 9)
Requirement courses in the group: In this group you have to complete 1 course
Credits in the group: 8
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
516ATO	**Studio-Public Buildings** *Henri Hubertus Achten, Miloš Florián Henri Hubertus Achten (Gar.)*	KZ	9	0P+8C		z
540ATO	**Studio-Public Buildings** *Dalibor Hlaváček, Winny Maas Dalibor Hlaváček (Gar.)*	KZ	9	0P+8C		z
514ATO	**Studio-Public Buildings** *Tomáš Efler, Václav Girsa Václav Girsa (Gar.)*	KZ	9	0P+8C		z
515ATO	**Studio-Public Buildings** *Vladimír Soukenka* ***Vladimír Soukenka*** *Vladimír Soukenka (Gar.)*	KZ	9	0P+8C		z
529ATO	**Studio-Public Buildings** *Marek Chalupa, Zdeněk Fránek, Petr Hájek, Ladislav Lábus, Vladimír Krátký, Jan Sedlák, Petr Suske, Mirko Baum, Marek Tichý Marek Chalupa (Gar.)*	KZ	9	0P+8C		z
519ATO	**Studio-Public Buildings** *Tomáš Zmek, Michal Kuzemenský, Ivan Plicka, Jiří Klokočka, Jonáš Krýzl, Jana Zdráhalová, Michal Škrna, Pavel Hnilička, Jan Novotný Tomáš Zmek (Gar.)*	KZ	9	0P+8C		z
527ATO	**Studio-Public Buildings** *Ján Stempel, Radek Lampa, Tomáš Hradečný, Zdeněk Rothbauer, Miroslav Cikán, Vojtěch Sosna, Tomáš Novotný, Marek Přikryl Miroslav Cikán (Gar.)*	KZ	9	0P+8C		z
528ATO	**Studio-Public Buildings** *Petr Kordovský, Martin Čeněk, Ladislav Vrbata, Hana Seho, Josef Mádr, Dalibor Hlaváček, Štěpán Valouch, Jan Stibral Dalibor Hlaváček (Gar.)*	KZ	9	0P+8C		z
518ATO	**Studio-Public Buildings** *David Belko, Ondřej Tuček, Miroslav Pazdera, Ondřej Císler, Michal Kohout, Irena Šestáková, Boris Redčenkov, David Tichý, Roman Koucký, ...* ***Ondřej Císler*** *Michal Juha (Gar.)*	KZ	9	0P+8C		z

Characteristics of the courses of this group of Study Plan: Code=ATOS Name=Ateliér - občanské stavby

516ATO	Studio-Public Buildings	KZ	9
540ATO	Studio-Public Buildings	KZ	9
514ATO	Studio-Public Buildings	KZ	9
515ATO	Studio-Public Buildings	KZ	9
529ATO	Studio-Public Buildings	KZ	9
519ATO	Studio-Public Buildings	KZ	9
527ATO	Studio-Public Buildings	KZ	9
528ATO	Studio-Public Buildings	KZ	9
518ATO	Studio-Public Buildings	KZ	9

Code of the group: ATSBP
Name of the group: Ateliér - studie pro BP
Requirement credits in the group: In this group you have to gain at least 9 credits (at most 10)
Requirement courses in the group: In this group you have to complete 1 course
Credits in the group: 9
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
528ATSBP	**Studio** *Petr Kordovský, Martin Čeněk, Štěpán Tomš, Ladislav Vrbata, Hana Seho, Josef Mádr, Dalibor Hlaváček, Štěpán Valouch, Jan Stibral, ... Dalibor Hlaváček (Gar.)*	KZ	10	0P+8C		z
515ATSBP	**Studio** *Vladimír Soukenka, Jan Tůma, Patrik Tichý* ***Vladimír Soukenka*** *Vladimír Soukenka (Gar.)*	KZ	10	0P+8C		z
518ATSBP	**Studio** *David Belko, Ondřej Tuček, Miroslav Pazdera, Ondřej Císler, Michal Kohout, Irena Šestáková, Boris Redčenkov, David Tichý, Roman Koucký, ...* ***Michal Kohout*** *Michal Kohout (Gar.)*	KZ	10	0P+8C		z
514ATSBP	**Studio** *Tomáš Efler, Václav Girsa, Tomáš Tomsa, Martin Čtverák Václav Girsa (Gar.)*	KZ	10	0P+8C		z
527ATSBP	**Studio** *Ján Stempel, Radek Lampa, Tomáš Hradečný, Zdeněk Rothbauer, Miroslav Cikán, Vojtěch Sosna, Jan Jakub Tesař, Marek Přikryl, Karel Filsak, ... Tomáš Hradečný (Gar.)*	KZ	10	0P+8C		z
529ATSBP	**Studio** *Luis Marques, Marek Chalupa, Zdeněk Fránek, Petr Hájek, Ladislav Lábus, Vladimír Krátký, Jan Sedlák, Petr Suske, Jaroslav Hulín, ... Marek Chalupa (Gar.)*	KZ	10	0P+8C		z

519ATSBP	**Studio** *Tomáš Zmek, Michal Kuzemenský, Ivan Plicka, Jiří Klokočka, Antonín Topinka, Jonáš Krýzl, Jana Zdráhalová, Michal Škrna, Pavel Hnilička, ... Tomáš Zmek (Gar.)*	KZ	10	0P+8C		z

Characteristics of the courses of this group of Study Plan: Code=ATSBP Name=Ateliér - studie pro BP

528ATSBP	Studio	KZ	10
515ATSBP	Studio	KZ	10
518ATSBP	Studio	KZ	10
514ATSBP	Studio	KZ	10
527ATSBP	Studio	KZ	10
529ATSBP	Studio	KZ	10
519ATSBP	Studio	KZ	10

Code of the group: ATBP
Name of the group: Ateliér - realizační bak. práce
Requirement credits in the group: In this group you have to gain at least 19 credits (at most 22)
Requirement courses in the group: In this group you have to complete 1 course
Credits in the group: 19
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**
518BP	**Bachelor Project** *David Belko, Ondřej Tuček, Miroslav Pazdera, Ondřej Císler, Michal Kohout, Irena Šestáková, Boris Redčenkov, David Tichý, Roman Koucký, ... **Michal Kohout** Edita Lisecová (Gar.)*	Z	22	0P+14C		z
519BP	**Bachelor Project** *Tomáš Zmek, Michal Kuzemenský, Ivan Plicka, Jan Novotný, Jana Zdráhalová, Michal Škrna, Pavel Hnilička Tomáš Zmek (Gar.)*	Z	22	0P+14C		z
514BP	**Bachelor Project** *Tomáš Efler, Václav Girsa, Tomáš Tomsa, Martin Čtverák **Václav Girsa** Václav Girsa (Gar.)*	Z	22	0P+14C		z
529BP	**Bachelor Project** *Luis Marques, Marek Chalupa, Petr Hájek, Ladislav Lábus, Vladimír Krátký, Jan Sedlák, Petr Suske, Jaroslav Hulín, Marek Tichý, ... Marek Chalupa (Gar.)*	Z	22	0P+14C		z
527BP	**Bachelor Project** *Ján Stempel, Tomáš Hradečný, Miroslav Cikán, Vojtěch Sosna, Jan Jakub Tesař, Marek Přikryl, Karel Filsak, Vojtěch Ertl, Matěj Barla, ... **Ján Stempel** Miroslav Cikán (Gar.)*	Z	22	0P+14C		z
528BP	**Bachelor Project** *Petr Kordovský, Martin Čeněk, Štěpán Tomš, Ladislav Vrbata, Hana Seho, Josef Mádr, Dalibor Hlaváček, Štěpán Valouch, Jan Stibral, ... Dalibor Hlaváček (Gar.)*	Z	22	0P+14C		z
515BP	**Bachelor Project** *Vladimír Soukenka, Jan Tůma, Patrik Tichý **Vladimír Soukenka** Vladimír Soukenka (Gar.)*	Z	22	0P+14C		z

Characteristics of the courses of this group of Study Plan: Code=ATBP Name=Ateliér - realizační bak. práce

518BP	Bachelor Project	Z	22
519BP	Bachelor Project	Z	22
514BP	Bachelor Project	Z	22
529BP	Bachelor Project	Z	22
527BP	Bachelor Project	Z	22
528BP	Bachelor Project	Z	22
515BP	Bachelor Project	Z	22

Code of the group: POVINNÉ BAU 2020
Name of the group: Povinné bakalářské AU 2020
Requirement credits in the group: In this group you have to gain at least 109 credits (at most 110)
Requirement courses in the group: In this group you have to complete 43 courses
Credits in the group: 109
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
516CAD1	**Compurter Aided Design I** *Michal Jirát, Lucie Mizerová, Jiří Skácilík, Dana Matějovská, Ivana Vinšová, Kristina Letová, Martin Bukovský, Petr Irinkov Dana Matějovská (Gar.)*	KZ	2	0P+2C	L	z
516CAD2	**Computer Aided Design II** *Michal Jirát, Lucie Mizerová, Jiří Skácilík, Dana Matějovská, Ivana Vinšová, Kristina Letová, Martin Bukovský, Milan Čáslavský, Laura Luisa Palevičová, ... Ivana Vinšová (Gar.)*	KZ	2	0P+2C	Z	z
513DAT1	**History and Theory of Architecture I** *Michael Rykl, Marián Matys Michael Rykl (Gar.)*	ZK	2	2P+0C	Z	z
513DAT2	**History and Theory of Architecture II** *Michael Rykl, Tomáš Dittrich, David Seidler, Josef Holeček, Pavel Kalina, Eliška Houdová Pavel Kalina (Gar.)*	Z,ZK	3	2P+1C	L	z
513DAT3	**History and Theory of Architecture III** *Pavel Kalina Pavel Kalina (Gar.)*	ZK	2	2P+0C	Z	z
513DAT4	**History and Theory of Architecture IV** *Michael Rykl, Petr Vorlík* ***Petr Vorlík*** *Petr Vorlík (Gar.)*	ZK	2	2P+0C	L	z
513DAT5	**History and Theory of Architecture V** *Michael Rykl, David Seidler, Pavel Kalina, Petr Vorlík, Pavel Fuchs, Lukáš Veverka, Miroslav Pavel, Klára Brůhová, Veronika Vicherková, ...* ***Petr Vorlík*** *Petr Vorlík (Gar.)*	Z,ZK	3	2P+1C	L	z
513DU1B	**History of Art I** *Klára Brůhová, Hubert Kamil Guzik* ***Hubert Kamil Guzik*** *Hubert Kamil Guzik (Gar.)*	ZK	2	2P+0C	L	z
521DG1	**Descriptive Geometry I** *Jakub Řada, Dana Kolářová, Jiří Šrubař, Stanislava Čečáková* ***Jiří Šrubař*** *Dana Kolářová (Gar.)*	KZ	4	2P+2C	Z	z
521DG2	**Descriptive Geometry II** *Jakub Řada, Dana Kolářová, Stanislava Čečáková* ***Jiří Šrubař*** *Dana Kolářová (Gar.)*	KZ	3	1P+2C	L	z
513FSP1	**Philosophy, Sociology and Psychology I** *David Seidler, Pavel Kalina, Tomáš Hoření Samec Pavel Kalina (Gar.)*	KZ	2	2P+0C	Z	z
523GP	**Geodesy Practice** *Tomáš Křemen* ***Tomáš Křemen*** *Tomáš Křemen (Gar.)*	Z	0	2D	L	z
523GEO	**Geodesy** *Tomáš Křemen* ***Tomáš Křemen*** *Tomáš Křemen (Gar.)*	KZ	1	1P+0C	L	z
515I1	**Interior and Exhibition Design** *Lenka Bednářová, Jan Tůma, Patrik Tichý, Linda Polomová, Veronika Šindelář Kastlová*	Z,ZK	3	2P+1C	L	z
520KA1B	**Landscape Architecture I** *Zuzana Ambrožová, Zuzana Štemberová, Jakub Med, Tereza Havránková, Adéla Ruprecht Chmelová, Tomáš Pozdech, Markéta Šantrůčková* ***Zuzana Štemberová*** *Markéta Šantrůčková (Gar.)*	Z,ZK	3	2P+1C	Z	z
511KP	**Visual Arts-Practice** *Martina Buřičová, Magdalena Koubek Michaličková, Gabriela Nováková, Jiří Kárník, Zorka Krejčí, Ivan Vosecký, Radek Macke* ***Martina Buřičová*** *Ivan Vosecký (Gar.)*	Z	0	1tý	L	z
522M	**Mathematics** *Jakub Řada, Jiří Šrubař, Stanislava Čečáková, Jan Sedlák* ***Jiří Šrubař*** *Jiří Šrubař (Gar.)*	KZ	3	1P+2C	L,Z	z
518NS1	**Introduction** *Michaela Brožová, Michal Šrámek, Michal Kohout, Irena Šestáková, Miroslav Cikán, Jana Zdráhalová, Jana Kubcová, Zuzana Štemberová, Jiří Plos, ...* ***Petr Hlaváček*** *Jana Kubcová (Gar.)*	Z,ZK	3	2P+1C	Z	z
518NS2A	**Housing** *David Belko, Ondřej Tuček, Michal Kohout, Irena Šestáková, David Tichý, Hana Seho, Jana Kubcová, Zbyšek Stýblo* ***David Tichý*** *David Tichý (Gar.)*	Z,ZK	3	2P+1C	L	z
518NS3B	**Public Buildings I** *Pavel Ullmann, David Belko, Ondřej Tuček, Michal Kohout, Irena Šestáková, Michal Juha, Zbyšek Stýblo, Mirjana Petrik* ***Zbyšek Stýblo*** *Zbyšek Stýblo (Gar.)*	ZK	2	2P+0C	Z	z
518NS4	**Public Buildings II** *Ondřej Tuček, Arnošt Navrátil, Vladimír Soukenka, Jana Kubcová, Veronika Šindelář Kastlová, Zbyšek Stýblo, Václav Mudra* ***Ondřej Tuček*** *Ondřej Tuček (Gar.)*	Z,ZK	3	2P+1C	L	z
526OJ1B	**Professional Language I** *Naděžda Bonaventurová, Zuzana Krýzlová, Kateřina Valentová, Magdaléna Waageová, Brian Hodgman, Calvin Rambler, Mark Wiedorn* ***Kateřina Valentová*** *Naděžda Bonaventurová (Gar.)*	Z,ZK	2	0P+2C	Z,L	z
514PP1B	**Monument Preservation I** *Tomáš Efler, Václav Girsa, Martin Čtverák, Michael Rykl, Martin Kolovský, Mario Barra, Katarína Barbora Tomášiková, Jitka Tomiczková, Milena Hauserová, ...* ***Jitka Tomiczková*** *Václav Girsa (Gar.)*	Z,ZK	3	2P+1C	Z	z
523PS2	**Building Construction II** *Vladimír Daňkovský, Vladimír Jirka, Jan Hlavín, Marek Pavlas, Miloš Rehberger, Tomáš Klanc, Jaroslava Babánková* ***Jan Hlavín*** *Jan Hlavín (Gar.)*	Z,ZK	4	2P+2C	L	z

523PS1B	**Building Construction I** *Vladimír Jirka, Jan Hlavín, Marek Pavlas, Miloš Rehberger, Tomáš Klanc, Martin Majna, Ondřej Vápeník, Vít Wasserbauer, Jaroslava Babánková, ... **Jan Hlavín** Jan Hlavín (Gar.)*	Z,ZK	4	2P+2C	Z	z
523PS3B	**Building Construction III** *Vladimír Daňkovský, Miloš Rehberger, Ondřej Vápeník, Jaroslava Babánková, Pavel Meloun, Bedřiška Vaňková **Miloš Rehberger** Miloš Rehberger (Gar.)*	Z,ZK	4	2P+2C	Z	z
523PS4B	**Building Construction IV** *Miloš Rehberger, Jaroslava Babánková, Luboš Káně, Pavel Meloun, Bedřiška Vaňková, Petr Jůn, Marek Novotný, Zdeněk Kutnar **Luboš Káně** Luboš Káně (Gar.)*	Z,ZK	3	1P+2C	L	z
519U1B	**Technique of City Design** *Jan Sedlák, Jana Zdráhalová, Lenka Burgerová, Sára Šálková Roeselová, Matěj Šebek, Jan Jehlík Lenka Burgerová (Gar.)*	Z,ZK	3	2P+1C	L	z
524PRES1	**1** *Radka Navrátilová, Daniela Bošová, Veronika Sojková, Libor Kubina, Aleš Palička **Radka Navrátilová** Radka Navrátilová (Gar.)*	Z,ZK	4	2P+2C	L	z
522SNK1B	**Statics and Loadbearing Structures I** *Miroslav Vokáč, Dita Jiroutová, Tomáš Bittner, Petr Sejkot, Jiří Žalský, Aleš Mezera, Markéta Vavrušková **Martin Pospíšil** Martin Pospíšil (Gar.)*	Z,ZK	4	2P+2C	L	z
522SNK2	**Statics and Loadbearing Structures II** *Miroslav Vokáč, Aleš Mezera, Martin Pospíšil, Karel Jung, Miroslav Sýkora, Jan Mlčoch **Martin Pospíšil** Martin Pospíšil (Gar.)*	Z,ZK	3	2P+1C	L	z
522SNK3	**Statics and Loadbearing Structures III** *Aleš Mezera, Karel Jung, Miroslav Sýkora, Jan Mlčoch, Karel Lorenz, Milan Holický **Martin Pospíšil** Martin Pospíšil (Gar.)*	Z,ZK	3	2P+1C	L	z
522SNK4	**Statics and Loadbearing Structures IV** *Tomáš Bittner, Markéta Vavrušková, Martin Pospíšil, Karel Lorenz, Milan Holický **Martin Pospíšil** Martin Pospíšil (Gar.)*	Z,ZK	3	2P+1C	L	z
524SF1B	**Building Physics I** *Daniela Bošová, Dagmar Richtrová, Lenka Prokopová **Lenka Prokopová** Daniela Bošová (Gar.)*	KZ	2	1P+1C	Z	z
524SF2	**Building Physics II** *Daniela Bošová, Libor Kubina, Dagmar Richtrová, Lenka Prokopová **Daniela Bošová** Daniela Bošová (Gar.)*	Z,ZK	2	1P+1C	L	z
523MAT	**Building Materials** *Jan Hlavín, Marek Pavlas, Jaroslava Babánková **Marek Pavlas** Jaroslava Babánková (Gar.)*	KZ	2	2P+0C	Z	z
524TZIB	**Engineering Equipment of Buldings I** *Daniela Bošová, Dagmar Richtrová, Lenka Prokopová, Ondřej Horák, Zuzana Vyoralová, Pavla Vrbová, František Louda **Lenka Prokopová** Lenka Prokopová (Gar.)*	Z,ZK	4	2P+2C	Z	z
528EKL	**Introduction to sustainable design** *Kateřina Rottová, Martin Čeněk, Dalibor Hlaváček, Karel Goláň, Vladimír Kočí, Karel Maier, Klára Salzmann, Richard Železný, Jan Žemlička **Kateřina Rottová** Dalibor Hlaváček (Gar.)*	ZK	2	2P+0C	Z	z
511VT1B	**Visual Arts I** *Magdalena Koubek Michaličková, Gabriela Nováková, Jiří Kárník, Zorka Krejčí, Ivan Vosecký, Radek Macke, Eva Červinková **Eva Červinková** Ivan Vosecký (Gar.)*	KZ	2	0P+2C	Z	z
511VT2	**Visual Arts II** *Martina Buřičová, Magdalena Koubek Michaličková, Gabriela Nováková, Jiří Kárník, Zorka Krejčí, Ivan Vosecký, Radek Macke, Eva Červinková **Eva Červinková** Ivan Vosecký (Gar.)*	KZ	2	0P+2C	L	z
511VT3	**Visual Arts III** *Zorka Krejčí, Ivan Vosecký, Jan Fabián **Jan Fabián** Jan Fabián (Gar.)*	KZ	2	0P+2C	Z	z
511VT4	**Visual Arts IV** *Jiří Kárník, Radek Macke, Radek Macke **Jiří Kárník** Ivan Vosecký (Gar.)*	KZ	2	0P+2C	L	z
519U2B	**Urbanistic Composition I** *Jiří Plos Jiří Plos (Gar.)*	ZK	2	2P+0C	Z	z
599ZSPB		Z	1			z

Characteristics of the courses of this group of Study Plan: Code=POVINNÉ BAU 2020 Name=Povinné bakalářské AU 2020

516CAD1	Compurter Aided Design I	KZ	2
CAD drawing and modelling, 2D and 3D, overview of other software for architecture			
516CAD2	Computer Aided Design II	KZ	2
Advanced modelling, working with materials, spotlights, cameras, visualisation, delineation in photographs in 3D-studio VIZ			
513DAT1	History and Theory of Architecture I	ZK	2
513DAT2	History and Theory of Architecture II	Z,ZK	3
513DAT3	History and Theory of Architecture III	ZK	2
513DAT4	History and Theory of Architecture IV	ZK	2
513DAT5	History and Theory of Architecture V	Z,ZK	3
513DU1B	History of Art I	ZK	2
521DG1	Descriptive Geometry I	KZ	4
The aim of the subject Descriptive Geometry I is to introduce students to the basics of projection methods used in architectural practice. The emphasis is on developing spatial imagination, choosing the appropriate projection method according to the type of object being displayed, with an emphasis on basic architectural types.			

521DG2	Descriptive Geometry II	KZ	3
The aim of the course Descriptive Geometry II is to acquaint students with photogrammetry, i.e. a way to draw an object into an existing image, with the basics of lighting objects most often used in architectural practice (facade lighting, technical lighting on a floor plan used in urbanism), and with areas that are used in building and architectural practice. In addition to these basic thematic units, students will get acquainted with applications of geometry, which they will elaborate in detail in the form of a semester's work.			
513FSP1	Philosophy, Sociology and Psychology I	KZ	2
523GP	Geodesy Practice	Z	0
A two-day course related to 523GEO. https://www.fa.cvut.cz/cs/studium/predmety/4980-geodezie			
523GEO	Geodesy	KZ	1
Geodesy. Organization of surveying services in Czech Republic. Geodetic points and geodetic datum systems. Topographical base for construction activities. Setting-out. Documentation of as-built state. Real estate register. Calculation of prices for surveying services.			
515I1	Interior and Exhibition Design	Z,ZK	3
Lectures on interior are presenting elements of interior - light, colour, surface and materials, acoustics. Lectures on furniture summarize use of new materials and technologies, includes ergonomics, construction and typology of different kinds of furniture. Lectures on exhibition give an overview of historical process, architecture of exhibition halls and principles of artistic design of exhibition and its elements			
520KA1B	Landscape Architecture I	Z,ZK	3
511KP	Visual Arts-Practice	Z	0
522M	Mathematics	KZ	3
The course provides a theoretical basis for professional technical courses. Exercises are focused on the unification of the entry level and sufficient practice and improvement of basic parts of mathematics, especially on expressions, elementary functions, derivatives and their use. The scope of the lectures is an insight into other areas of mathematics, connections with other subjects.			
518NS1	Introduction	Z,ZK	3
See above.			
518NS2A	Housing	Z,ZK	3
518NS3B	Public Buildings I	ZK	2
Students are informed of principles in anyálysis and design of buldings servered to life of comune (PUBLIC BUILDINGS 1).			
518NS4	Public Buildings II	Z,ZK	3
526OJ1B	Professional Language I	Z,ZK	2
514PP1B	Monument Preservation I	Z,ZK	3
523PS2	Building Construction II	Z,ZK	4
The aim of the course is to introduce students to other variants of horizontal structures, general principles of substructure, construction and materials of building foundations, including excavations with regard to the terrain. The different types of roofing of buildings with flat and pitched roofs are discussed. Students are introduced to the construction of timber buildings, their historical and modern approaches to design, including their impact on the architectural expression of the building. Students are introduced to variations in the design of framed buildings. Contemporary design options are discussed in terms of the materials used (reinforced concrete/ steel/ timber), their spatial rigidity, and the traditional material and product base for completing the building (envelope/ partitions/ roof cladding). Basic information on buildings made of spatial units, high-rise buildings and "super-structures". The aim is to provide an understanding of the importance and principles of depicting and drawing individual structures at different stages of design documentation. The basic methods and approaches to structural design are then practically tested in exercises.			
523PS1B	Building Construction I	Z,ZK	4
The aim of the course is to introduce students to the relationship between architecture and construction. This is presented through examples of concrete architecture. A basic overview of the basic terminology of buildings and structures, the technical design of a building with wall construction systems from foundation to roof and their applications in architecture is given. They are introduced to the principles and design of wall and ceiling structures, vertical circulation in a building, including the treatment of elements and stair space in the context of the whole building with emphasis on its architectural expression. The historical context and current design options are explained, the material and product base is discussed, the relationship to the building's performance and the critical details. The aim is to provide an understanding of the importance and principles of depicting and drawing individual structures in the various stages of project documentation. The purpose is to introduce students to the possibilities of construction elements and techniques in the context of the advantages and disadvantages of their use. The lectures are designed to teach civil engineering from the perspective of the architect's use of design. Individual materials, elements and structures are permanently embedded in the concept of the home with consideration of the related perspectives of the collaborating professions. Emphasis is placed on constructability and craftsmanship. The link of the technical solution in relation to the artistic or architectural expression. Sustainability, durability and the economic aspect of the solution are not neglected. Emphasis is placed on the consideration of solution options, conceptual thinking. The lecture series involves modern teaching technologies - the use of illustrative videos, tutorials. Examples of architecturally valuable realisations and the use of the latest materials and technologies are presented. Basic methods and approaches to designing structures are then practically verified in exercises.			
523PS3B	Building Construction III	Z,ZK	4
Completition works. Facades and internal finishing works. Facade structures, floors, light partitions, subceilings.			
523PS4B	Building Construction IV	Z,ZK	3
Designing roofs and waterproofing protection of the substructure of buildings.			
519U1B	Technique of City Design	Z,ZK	3
Familiarization with a mission of functional units in a city and their relations, with a prism of typological items and terms of using, with universal and concrete principles of creation in a level of village or city district and an urban detail. Special attention given to subdivision of land, conditions of residential development, segregation and toleration in transportation,typology,deficits and potential of public places in settlements. Examples. example example eexampleexample			
524PRES1	1	Z,ZK	4
522SNK1B	Statics and Loadbearing Structures I	Z,ZK	4
The study subject introduces the static action of statically determined building structures. First, calculations with force vectors on planar force systems are practiced. The solution of reactions for statically determined systems follows. Furthermore, the study subject introduces solutions of internal forces on statically determined systems, cross-sectional characteristics, application of simple bending and simple tension for a design and assessment of cross-sections. The study subject also shows effects of combination of bending and normal forces and the stability of compressed members, eccentric pressure under excluded tension or dimensioning moments on reinforced concrete slabs. The exercises of the subject SNK1 take place in the traditional form using the modern interactive tool GeoGebra.			
522SNK2	Statics and Loadbearing Structures II	Z,ZK	3
The study subject Statics and Load-bearing Structures II introduces principles of various concepts of load-bearing structures of buildings, selected methods of structural analysis of load-bearing structures deisgned from various materials. The study subject explains common types of loads and ways of a design of elementary elements of concrete, steel and masonry structures, as well as a design of foundation structures of ordinary buildings. The study subject is based on the principles of designing according to European standards (Eurocodes) using available tools and software products.			

522SNK3	Statics and Loadbearing Structures III	Z,ZK	3
The study subject Statics and Load-bearing Structures III is devoted mainly to concrete / reinforced concrete structures design. Further methods of structural analysis of selected structural elements and concrete material components including their interaction are introduced. Principles of concrete reinforcement, and principles of dimensioning of elementary structural elements made of plain, reinforced and prestressed concrete are given. Design principles of both reinforced concrete elements and complete structures are explained. The study subject is based on design principles according to European standards (Eurocodes) using available tools and software products.			
522SNK4	Statics and Loadbearing Structures IV	Z,ZK	3
Metal structures, wooden structures, structures made of plastics. The aim of the study subject is a basic overview of properties of structural materials (steel, aluminum alloys, wood and materials based on wood, plastic materials), the methodology of design of structures made of these materials, including methods of connecting elements. Brief overview of types and structural effects of low-floor, high-rise, hall and special objects, their supporting spatial arrangement and the issue of their spatial rigidity.			
524SF1B	Building Physics I	KZ	2
Impact of sound in human space of living, appraisal of sound, legislation, expansion of sound outside and inside, sound absorption, basics of acoustics of buildings constructions, spatial and urban acoustics, sun and daylight in human space of living, standards and certifying,sunlight graphs, method of Daniljuk and BRS			
524SF2	Building Physics II	Z,ZK	2
Thermal transmittance. U-value. Conception of building structures envelopes design. Humidity balance of building structures. Two dimensional thermal transmittance, thermal bridges. Summer and winter thermal stability. Rules of low-energy consumption buildings design.			
523MAT	Building Materials	KZ	2
Introduction to the basic types of materials and products, their application in architecture and constructions. The aim of the course is to show students the possibilities of different materials, their applicability for various purposes, advantages and limitations. The knowledge of the possibilities of using building materials will help students to develop their creativity. The environmental impact of use of different materials is also an important part of the course.			
524TZIB	Engineering Equipment of Buldings I	Z,ZK	4
Ventilation systems in buildings. Heating of buildings, source of heat, furnace room, pumping station, choice of heating system, water-piping, water supply, water main, water distribution system. Sanitation, draining of roof. Gas-piping system. Wiring.			
528EKL	Introduction to sustainable design	ZK	2
511VT1B	Visual Arts I	KZ	2
Study of spatial shapes with emphasis on skills in graphics and painting. Techniques of drawing using lead-pencil, pen			
511VT2	Visual Arts II	KZ	2
Drawing of exterior and interior, rough outline, sketching			
511VT3	Visual Arts III	KZ	2
Modelling of basic geometrical elements, plaster casting			
511VT4	Visual Arts IV	KZ	2
The subject VT4 consists of learning and practicing the main ability of an architect, capturing space and its architectural components (buildings, trees, people, etc.) in the correct sizes and proportions.			
519U2B	Urbanistic Composition I	ZK	2
599ZSPB		Z	1

Name of the block: Elective courses
Minimal number of credits of the block: 8
The role of the block: V

Code of the group: VOLITELNÉ BAU 2020
Name of the group: Volitelné bakalářské AU 2020
Requirement credits in the group: In this group you have to gain at least 8 credits
Requirement courses in the group:
Credits in the group: 8
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
516CAD3	**Compurter Aided Design III-Elective Course** *Henri Hubertus Achten, Michal Jirát, Lucie Mizerová, Dana Matějovská, Ivana Vinšová, Martin Bukovský, Petr Irinkov, Ondřej Vápeník, Tomáš Rain, ...* ***Petr Irinkov*** *Henri Hubertus Achten (Gar.)*	KZ	2	0P+2C	Z	V
513DU2B	**History of Art II** *Hubert Kamil Guzik, Jana Tichá* ***Hubert Kamil Guzik*** *Hubert Kamil Guzik (Gar.)*	KZ	2	2P+0C	L	V
CTUQCOL	**EuroTeQ Collider** *Henri Hubertus Achten, Daniela Illnerová, Lukáš Horný, Jana Nábělková, Zuzana Pešková* ***Henri Hubertus Achten*** *Henri Hubertus Achten (Gar.)*	KZ	5			V
513FSP2	**Philosophy, Sociology and Psychology II** *Vladan Klement* ***Vladan Klement***	KZ	2	2P+0C	L	V
513FSP3	**Philosophy, Sociology and Psychology III** *Vladan Klement* ***Vladan Klement*** *Vladan Klement (Gar.)*	KZ	2	2P+0C	Z	V
520KA2B	**Landscape Architecture II** *Zuzana Štemberová, Klára Salzmann, Jan Pešout, Eva Jeníková* ***Zuzana Štemberová*** *Klára Salzmann (Gar.)*	Z,ZK	3	2P+1C	L	V
518NSKI	**Concept and Interpretation** *Vendula Bryndziarová, Pavla Melková, Michal Hybský* ***Pavla Melková*** *Pavla Melková (Gar.)*	KZ	2	1P+1C	Z	V

526OJ2B	**Professional Language II** *Naděžda Bonaventurová, Zuzana Krýzlová, Kateřina Valentová, Magdaléna Waageová* ***Kateřina Valentová*** *Zuzana Krýzlová (Gar.)*	KZ	2	0P+2C	Z,L	v
526OJ3B	**Professional Language III** *Naděžda Bonaventurová, Zuzana Krýzlová, Kateřina Valentová, Magdaléna Waageová, Brian Hodgman, Calvin Rambler, Mark Wiedorn* ***Kateřina Valentová*** *Kateřina Valentová (Gar.)*	KZ	2	0P+2C	L	v
514PP2B	**Monument Preservation II** *Jan Pešta*	KZ	2	2P+0C	L	v
516PG1	**Computer Graphics I** *Dana Matějovská, Martin Odehnal, Dušan Marcinko Dana Matějovská (Gar.)*	KZ	2	0P+2C	L	v
523PS5B	**Building Construction V** *Jaroslava Babánková, Luboš Káně, Petr Jůn, Marek Novotný, Zdeněk Kutnar* ***Luboš Káně*** *Marek Novotný (Gar.)*	KZ	2	2P+0C	Z	v
599STBC	**Residency**	Z				v
519U3B	**Urban design - Theory** *Irena Fialová, Zdeňka Havlová* ***Irena Fialová*** *Irena Fialová (Gar.)*	KZ	2	1P+1C	L	v
511VT5	**Visual Arts V** *Gabriela Nováková, Jiří Kárník, Ivan Vosecký, Tereza Melenová* ***Gabriela Nováková*** *Ivan Vosecký (Gar.)*	KZ	2	0P+2C	Z	v
599WS1	**Workshop**	Z				v

Characteristics of the courses of this group of Study Plan: Code=VOLITELNÉ BAU 2020 Name=Volitelné bakalářské AU 2020

516CAD3	Compurter Aided Design III-Elective Course	KZ	2
513DU2B	History of Art II	KZ	2
CTUQCOL	EuroTeQ Collider	KZ	5
513FSP2	Philosophy, Sociology and Psychology II	KZ	2
513FSP3	Philosophy, Sociology and Psychology III	KZ	2
520KA2B	Landscape Architecture II	Z,ZK	3
518NSKI	Concept and Interpretation	KZ	2
526OJ2B	Professional Language II	KZ	2
526OJ3B	Professional Language III	KZ	2
514PP2B	Monument Preservation II	KZ	2
516PG1	Computer Graphics I	KZ	2
523PS5B	Building Construction V	KZ	2
Defects of basements, substructure, walls, roofs, truss, sealings, floors, curtains, stairs and other structures - ways of repair			
599STBC	Residency	Z	
519U3B	Urban design - Theory	KZ	2
511VT5	Visual Arts V	KZ	2
599WS1	Workshop	Z	

List of courses of this pass:

Code	Name of the course	Completion	Credits
511KP	Visual Arts-Practice	Z	0
511VT1B	Visual Arts I	KZ	2
Study of spatial shapes with emphasis on skills in graphics and painting. Techniques of drawing using lead-pencil, pen			
511VT2	Visual Arts II	KZ	2
Drawing of exterior and interior, rough outline, sketching			
511VT3	Visual Arts III	KZ	2
Modelling of basic geometrical elements, plaster casting			
511VT4	Visual Arts IV	KZ	2
The subject VT4 consists of learning and practicing the main ability of an architect, capturing space and its architectural components (buildings, trees, people, etc.) in the correct sizes and proportions.			
511VT5	Visual Arts V	KZ	2
513DAT1	History and Theory of Architecture I	ZK	2
513DAT2	History and Theory of Architecture II	Z,ZK	3
513DAT3	History and Theory of Architecture III	ZK	2
513DAT4	History and Theory of Architecture IV	ZK	2
513DAT5	History and Theory of Architecture V	Z,ZK	3
513DU1B	History of Art I	ZK	2
513DU2B	History of Art II	KZ	2
513FSP1	Philosophy, Sociology and Psychology I	KZ	2
513FSP2	Philosophy, Sociology and Psychology II	KZ	2

513FSP3	Philosophy, Sociology and Psychology III	KZ	2
514ATBS	Studio-Residential Buildings	KZ	8
514ATO	Studio-Public Buildings	KZ	9
514ATSBP	Studio	KZ	10
514BP	Bachelor Project	Z	22
514PP1B	Monument Preservation I	Z,ZK	3
514PP2B	Monument Preservation II	KZ	2
515ATBS	Studio-Residential Buildings	KZ	8
515ATO	Studio-Public Buildings	KZ	9
515ATSBP	Studio	KZ	10
515BP	Bachelor Project	Z	22
515I1	Interior and Exhibition Design	Z,ZK	3
Lectures on interior are presenting elements of interior - light, colour, surface and materials, acoustics. Lectures on furniture summarize use of new materials and technologies, includes ergonomics, construction and typology of different kinds of furniture. Lectures on exhibition give an overview of historical process, architecture of exhibition halls and principles of artistic design of exhibition and its elements			
515ZANB	Basics of Architectural Design	KZ	7
515ZAT	Basics of Architectural Design	KZ	6
516ATBS	Studio-Residential Buildings	KZ	9
516ATO	Studio-Public Buildings	KZ	9
516CAD1	Compurter Aided Design I	KZ	2
CAD drawing and modelling, 2D and 3D, overview of other software for architecture			
516CAD2	Computer Aided Design II	KZ	2
Advanced modelling, working with materials, spotlights, cameras, visualisation, delineation in photographs in 3D-studio VIZ			
516CAD3	Compurter Aided Design III-Elective Course	KZ	2
516PG1	Computer Graphics I	KZ	2
518ATBS	Studio-Residential Buildings	KZ	8
518ATO	Studio-Public Buildings	KZ	9
518ATSBP	Studio	KZ	10
518BP	Bachelor Project	Z	22
518NS1	Introduction	Z,ZK	3
See above.			
518NS2A	Housing	Z,ZK	3
518NS3B	Public Buildings I	ZK	2
Students are informed of principles in anyálysis and design of buldings servered to life of comune (PUBLIC BUILDINGS 1).			
518NS4	Public Buildings II	Z,ZK	3
518NSKI	Concept and Interpretation	KZ	2
518ZANB	Basics of Architectural Design	KZ	7
518ZAT	Basics of Architectural Design	KZ	6
519ATBS	Studio-Residential Buildings	KZ	8
519ATO	Studio-Public Buildings	KZ	9
519ATSBP	Studio	KZ	10
519BP	Bachelor Project	Z	22
519U1B	Technique of City Design	Z,ZK	3
Familiarization with a mission of functional units in a city and their relations, with a prism of typological items and terms of using, with universal and concrete principles of creation in a level of village or city district and an urban detail. Special attention given to subdivision of land, conditions of residential development, segregation and toleration in transportation,typology,deficits and potential of public places in settlements. Examples. example example eexampleexample			
519U2B	Urbanistic Composition I	ZK	2
519U3B	Urban design - Theory	KZ	2
520ATBS	Studio-Residential Buildings	KZ	8
520KA1B	Landscape Architecture I	Z,ZK	3
520KA2B	Landscape Architecture II	Z,ZK	3
521DG1	Descriptive Geometry I	KZ	4
The aim of the subject Descriptive Geometry I is to introduce students to the basics of projection methods used in architectural practice. The emphasis is on developing spatial imagination, choosing the appropriate projection method according to the type of object being displayed, with an emphasis on basic architectural types.			
521DG2	Descriptive Geometry II	KZ	3
The aim of the course Descriptive Geometry II is to acquaint students with photogrammetry, i.e. a way to draw an object into an existing image, with the basics of lighting objects most often used in architectural practice (facade lighting, technical lighting on a floor plan used in urbanism), and with areas that are used in building and architectural practice. In addition to these basic thematic units, students will get acquainted with applications of geometry, which they will elaborate in detail in the form of a semester's work.			
522M	Mathematics	KZ	3
The course provides a theoretical basis for professional technical courses. Exercises are focused on the unification of the entry level and sufficient practice and improvement of basic parts of mathematics, especially on expressions, elementary functions, derivatives and their use. The scope of the lectures is an insight into other areas of mathematics, connections with other subjects.			
522SNK1B	Statics and Loadbearing Structures I	Z,ZK	4
The study subject introduces the static action of statically determined building structures. First, calculations with force vectors on planar force systems are practiced. The solution of reactions for statically determined systems follows. Furthermore, the study subject introduces solutions of internal forces on statically determined systems, cross-sectional characteristics, application of simple bending and simple tension for a design and assessment of cross-sections. The study subject also shows effects of combination of bending and normal forces			

	and the stability of compressed members, eccentric pressure under excluded tension or dimensioning moments on reinforced concrete slabs. The exercises of the subject SNK1 take place in the traditional form using the modern interactive tool GeoGebra.		
522SNK2	Statics and Loadbearing Structures II	Z,ZK	3
	The study subject Statics and Load-bearing Structures II introduces principles of various concepts of load-bearing structures of buildings, selected methods of structural analysis of load-bearing structures deisgned from various materials. The study subject explains common types of loads and ways of a design of elementary elements of concrete, steel and masonry structures, as well as a design of foundation structures of ordinary buildings. The study subject is based on the principles of designing according to European standards (Eurocodes) using available tools and software products.		
522SNK3	Statics and Loadbearing Structures III	Z,ZK	3
	The study subject Statics and Load-bearing Structures III is devoted mainly to concrete / reinforced concrete structures design. Further methods of structural analysis of selected structural elements and concrete material components including their interaction are introduced. Principles of concrete reinforcement, and principles of dimensioning of elementary structural elements made of plain, reinforced and prestressed concrete are given. Design principles of both reinforced concrete elements and complete structures are explained. The study subject is based on design principles according to European standards (Eurocodes) using available tools and software products.		
522SNK4	Statics and Loadbearing Structures IV	Z,ZK	3
	Metal structures, wooden structures, structures made of plastics. The aim of the study subject is a basic overview of properties of structural materials (steel, aluminum alloys, wood and materials based on wood, plastic materials), the methodology of design of structures made of these materials, including methods of connecting elements. Brief overview of types and structural effects of low-floor, high-rise, hall and special objects, their supporting spatial arrangement and the issue of their spatial rigidity.		
523GEO	Geodesy	KZ	1
	Geodesy. Organization of surveying services in Czech Republic. Geodetic points and geodetic datum systems. Topographical base for construction activities. Setting-out. Documentation of as-built state. Real estate register. Calculation of prices for surveying services.		
523GP	Geodesy Practice	Z	0
	A two-day course related to 523GEO. https://www.fa.cvut.cz/cs/studium/predmety/4980-geodezie		
523MAT	Building Materials	KZ	2
	Introduction to the basic types of materials and products, their application in architecture and constructions. The aim of the course is to show students the possibilities of different materials, their applicability for various purposes, advantages and limitations. The knowledge of the possibilities of using building materials will help students to develop their creativity. The environmental impact of use of different materials is also an important part of the course.		
523PS1B	Building Construction I	Z,ZK	4
	The aim of the course is to introduce students to the relationship between architecture and construction. This is presented through examples of concrete architecture. A basic overview of the basic terminology of buildings and structures, the technical design of a building with wall construction systems from foundation to roof and their applications in architecture is given. They are introduced to the principles and design of wall and ceiling structures, vertical circulation in a building, including the treatment of elements and stair space in the context of the whole building with emphasis on its architectural expression. The historical context and current design options are explained, the material and product base is discussed, the relationship to the building's performance and the critical details. The aim is to provide an understanding of the importance and principles of depicting and drawing individual structures in the various stages of project documentation. The purpose is to introduce students to the possibilities of construction elements and techniques in the context of the advantages and disadvantages of their use. The lectures are designed to teach civil engineering from the perspective of the architect's use of design. Individual materials, elements and structures are permanently embedded in the concept of the home with consideration of the related perspectives of the collaborating professions. Emphasis is placed on constructability and craftsmanship. The link of the technical solution in relation to the artistic or architectural expression. Sustainability, durability and the economic aspect of the solution are not neglected. Emphasis is placed on the consideration of solution options, conceptual thinking. The lecture series involves modern teaching technologies - the use of illustrative videos, tutorials. Examples of architecturally valuable realisations and the use of the latest materials and technologies are presented. Basic methods and approaches to designing structures are then practically verified in exercises.		
523PS2	Building Construction II	Z,ZK	4
	The aim of the course is to introduce students to other variants of horizontal structures, general principles of substructure, construction and materials of building foundations, including excavations with regard to the terrain. The different types of roofing of buildings with flat and pitched roofs are discussed. Students are introduced to the construction of timber buildings, their historical and modern approaches to design, including their impact on the architectural expression of the building. Students are introduced to variations in the design of framed buildings. Contemporary design options are discussed in terms of the materials used (reinforced concrete/ steel/ timber), their spatial rigidity, and the traditional material and product base for completing the building (envelope/ partitions/ roof cladding). Basic information on buildings made of spatial units, high-rise buildings and "super-structures". The aim is to provide an understanding of the importance and principles of depicting and drawing individual structures at different stages of design documentation. The basic methods and approaches to structural design are then practically tested in exercises.		
523PS3B	Building Construction III	Z,ZK	4
	Completition works. Facades and internal finishing works. Facade structures, floors, light partitions, subceilings.		
523PS4B	Building Construction IV	Z,ZK	3
	Designing roofs and waterproofing protection of the substructure of buildings.		
523PS5B	Building Construction V	KZ	2
	Defects of basements, substructure, walls, roofs, truss, sealings, floors, curtains, stairs and other structures - ways of repair		
524PRES1	1	Z,ZK	4
524SF1B	Building Physics I	KZ	2
	Impact of sound in human space of living, appraisal of sound, legislation, expansion of sound outside and inside, sound absorption, basics of acoustics of buildings constructions, spatial and urban acoustics, sun and daylight in human space of living, standards and certifying,sunlight graphs, method of Daniljuk and BRS		
524SF2	Building Physics II	Z,ZK	2
	Thermal transmittance. U-value. Conception of building structures envelopes design. Humidity balance of building structures. Two dimensional thermal transmittance, thermal bridges. Summer and winter thermal stability. Rules of low-energy consumption buildings design.		
524TZIB	Engineering Equipment of Buldings I	Z,ZK	4
	Ventilation systems in buildings. Heating of buildings, source of heat, furnace room, pumping station, choice of heating system, water-piping, water supply, water main, water distribution system. Sanitation, draining of roof. Gas-piping system. Wiring.		
526OJ1B	Professional Language I	Z,ZK	2
526OJ2B	Professional Language II	KZ	2
526OJ3B	Professional Language III	KZ	2
527ATBS	Studio-Residential Buildings	KZ	8
527ATO	Studio-Public Buildings	KZ	9
527ATSBP	Studio	KZ	10
527BP	Bachelor Project	Z	22
527ZANB	Basics of Architectural Design	KZ	7
527ZAT	Basics of Architectural Design	KZ	6

528ATBS	Studio-Residential Buildings	KZ	8
528ATO	Studio-Public Buildings	KZ	9
528ATSBP	Studio	KZ	10
528BP	Bachelor Project	Z	22
528EKL	Introduction to sustainable design	ZK	2
528ZANB	Basics of Architectural Design	KZ	7
528ZAT	Basics of Architectural Design	KZ	6
529ATBS	Studio-Residential Buildings	KZ	8
529ATO	Studio-Public Buildings	KZ	9
529ATSBP	Studio	KZ	10
529BP	Bachelor Project	Z	22
529ZANB	Basics of Architectural Design	KZ	7
529ZAT	Basics of Architectural Design	KZ	6
540ATBST	Studio-Residential Buildings	KZ	8
540ATO	Studio-Public Buildings	KZ	9
599STBC	Residency	Z	
599WS1	Workshop	Z	
599ZSPB		Z	1
CTUQCOL	EuroTeQ Collider	KZ	5

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