# Study plan

## Name of study plan: Bakalářský Krajinářská architektura 2018

Faculty/Institute/Others:
Department:
Branch of study guaranteed by the department: Welcome page
Garantor of the study branch:
Program of study: Landscape Architecture
Type of study: Bachelor full-time
Required credits: 176
Elective courses credits: 4
Sum of credits in the plan: 180
Note on the plan:

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Name of the block: Compulsory courses
Minimal number of credits of the block: 162
The role of the block: Z

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Code of the group: ATELIÉRY BKA
Name of the group: Ateliérová tvorba bakalářské KA
Requirement credits in the group: In this group you have to gain 75 credits
Requirement courses in the group: In this group you have to complete 6 courses
Credits in the group: 75
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 |
|---|---|---|---|---|---|---|
| 520AT1KA | **Studio 1** *Karin Grohmannová, Klára Concepcion, Adéla Ruprecht Chmelová, Tomáš Sklenář, Zuzana Bečvářová, Jitka Trevisan, Vladimír Sitta, Radmila Fingerová, Till Rehwaldt, ..... **Zuzana Štemberová** Jitka Trevisan (Gar.)* | KZ | 10 | 0P+8C | | z |
| 520AT2K | **Studio 2** *Karin Grohmannová, Klára Concepcion, Adéla Ruprecht Chmelová, Tomáš Sklenář, Zuzana Bečvářová, Vladimír Sitta, Radmila Fingerová, Till Rehwaldt, Klára Salzmann, ..... **Zuzana Štemberová** Jitka Trevisan (Gar.)* | KZ | 11 | 0P+8C | | z |
| 520AT3K | **Studio 3** *Karin Grohmannová, Klára Concepcion, Adéla Ruprecht Chmelová, Tomáš Sklenář, Zuzana Bečvářová, Jitka Trevisan, Vladimír Sitta, Radmila Fingerová, Till Rehwaldt, ..... **Zuzana Štemberová** Jitka Trevisan (Gar.)* | KZ | 11 | 0P+8C | | z |
| 520BP | **Bachelor Project** *Klára Concepcion, Adéla Ruprecht Chmelová, Tomáš Sklenář, Zuzana Bečvářová, Jitka Trevisan, Vladimír Sitta, Radmila Fingerová, Till Rehwaldt, Klára Salzmann **Zuzana Štemberová** Klára Concepcion (Gar.)* | Z | 26 | 0P+16C | | z |
| 520ZKN | **Basics of Landscape Design I** *Hana Špalková, Michaela Brožová, Petr Stojaník, Tereza Havránková **Zuzana Štemberová** Hana Špalková (Gar.)* | KZ | 8 | 0P+6C | Z | z |
| 520ZKNA | **Basics of Landscape Design II** *Hana Špalková, Petr Stojaník, Tereza Havránková **Zuzana Štemberová** Hana Špalková (Gar.)* | KZ | 9 | 1P+5C | L | z |

**Characteristics of the courses of this group of Study Plan: Code=ATELIÉRY BKA Name=Ateliérová tvorba bakalářské KA**

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|---|---|---|---|
| 520AT1KA | Studio 1 | KZ | 10 |
| 520AT2K | Studio 2 | KZ | 11 |
| 520AT3K | Studio 3 | KZ | 11 |
| 520BP | Bachelor Project | Z | 26 |
| 520ZKN | Basics of Landscape Design I | KZ | 8 |
| 520ZKNA | Basics of Landscape Design II | KZ | 9 |

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Code of the group: POVINNÉ BKA 2018
Name of the group: Povinné bakalářské KA 2018
Requirement credits in the group: In this group you have to gain at least 87 credits (at most 91)
Requirement courses in the group: In this group you have to complete 39 courses

Credits in the group: 87
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 |
|---|---|---|---|---|---|---|
| 516CAD1K | **Compurter Aided Design I** *Dana Matějovská, Petr Irinkov **Petr Irinkov** (Gar.)* | KZ | 2 | 0P+2C | L | z |
| 513DAT4 | **History and Theory of Architecture IV** *Petr Vorlík, Michael Rykl **Petr Vorlík** Petr Vorlík (Gar.)* | ZK | 2 | 2P+0C | L | z |
| 513DAT5K | **History and Theory of Architecture V** *Petr Vorlík **Petr Vorlík** (Gar.)* | ZK | 2 | 2P+0C | L | z |
| 513DU1K | **History of Art I** *Klára Brůhová, Hubert Kamil Guzik **Hubert Kamil Guzik** Hubert Kamil Guzik (Gar.)* | ZK | 2 | 2P+0C | Z | z |
| 520DEN1 | **Dendrology I** *Romana Michalková **Zuzana Štemberová** Romana Michalková (Gar.)* | ZK | 2 | 2P+0C | Z | z |
| 520DEN2K | **Dendrology II** *Romana Michalková **Zuzana Štemberová** Romana Michalková (Gar.)* | KZ | 2 | 0P+2C | Z | z |
| 520DEN3 | **Dendrology III** *Romana Michalková **Zuzana Štemberová** Romana Michalková (Gar.)* | ZK | 2 | 0P+2C | L | z |
| 522DGK | **Descriptive Geometry** *Dana Kolářová, Stanislava Čečáková **Dana Kolářová** (Gar.)* | Z,ZK | 4 | 2P+2C | Z | z |
| 513FSP1 | **Philosophy, Sociology and Psychology I** *Pavel Kalina, Tomáš Hoření Samec, David Seidler **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 |
| 520KA1K | **Landscape Architecture I** *Adéla Ruprecht Chmelová, Tereza Havránková, Jana Tichá, Zuzana Ambrožová, Jakub Med, Markéta Šantrůčková **Zuzana Štemberová** Markéta Šantrůčková (Gar.)* | Z,ZK | 3 | 2P+1C | Z | z |
| 520KA2K | **Landscape Architecture II** *Klára Salzmann, Zuzana Štemberová, Jan Pešout, Eva Jeníková, Alena Smrčková **Zuzana Štemberová** Klára Salzmann (Gar.)* | Z,ZK | 3 | 2P+1C | L | z |
| 520KA3K | **Landscape Architecture III** *Klára Salzmann, Hana Špalková, Laura Jablonská, Jan Pešta **Zuzana Štemberová** Hana Špalková (Gar.)* | Z,ZK | 3 | 2P+1C | Z | z |
| 511KP | **Visual Arts-Practice** *Jiří Kárník, Magdalena Koubek Michaličková, Zorka Krejčí, Gabriela Nováková, Martina Buřičová, Ivan Vosecký, Radek Macke **Martina Buřičová** Ivan Vosecký (Gar.)* | Z | 0 | 1tý | L | z |
| 520NPR1 | **Nature and Plant Science I** *Lenka Pavlů, Petra Vokurková **Zuzana Štemberová** Lenka Pavlů (Gar.)* | Z,ZK | 3 | 2P+1C | L | z |
| 520NPR2 | **Nature and Plant Science II** *Lubomír Hrouda **Hana Špalková** Lubomír Hrouda (Gar.)* | Z,ZK | 3 | 2P+1C | L | z |
| 520NPR3 | **Nature and Plant Science III** *Lubomír Hrouda **Zuzana Štemberová** Lubomír Hrouda (Gar.)* | ZK | 2 | 2P+0C | Z | z |
| 520NPR4 | **Nature and Plant Science IV** *Lubomír Hrouda **Zuzana Štemberová** Lubomír Hrouda (Gar.)* | Z,ZK | 4 | 2P+2C | L | z |
| 520NPR5 | **Nature and Plant Science V** *Lubomír Hrouda, David Stránský, Ivana Kabelková **Zuzana Štemberová** Tomáš Dostál (Gar.)* | Z,ZK | 3 | 2P+1C | Z | z |
| 518NS1KB | **Introduction** *Michaela Brožová, Zuzana Štemberová, Jana Zdráhalová, Miroslav Cikán, Michal Kohout, Jiří Plos, Miroslav Šajtar, Michal Šrámek, Petr Hlaváček, ..... **Petr Hlaváček** Petr Hlaváček (Gar.)* | ZK | 2 | 2P+0C | Z | z |
| 518NSKIK | **Concept and Interpretation** *Vendula Bryndziarová, Pavla Melková, Michal Hybský **Pavla Melková** Pavla Melková (Gar.)* | KZ | 2 | 1P+1C | Z | z |
| 526OJ1K | **Professional Language I** *Kateřina Valentová **Kateřina Valentová** Kateřina Valentová (Gar.)* | Z,ZK | 2 | 0P+2C | L | z |
| 514PP1K | **Monument Preservation I** *Michael Rykl, Tomáš Efler, Václav Fanta, Magdaléna Biedermanová, Milena Hauserová, Václav Girsa, Jitka Tomiczková, Jitka Poláková **Jitka Tomiczková** Václav Girsa (Gar.)* | Z,ZK | 3 | 2P+1C | Z | z |
| 516PG1K | **Computer Graphics I** *Martin Odehnal, Dušan Marcinko Martin Odehnal (Gar.)* | KZ | 2 | 0P+2C | L | z |
| 523PS1BK | **Building Construction I** *Miloš Rehberger, Vladimír Jirka, Miloslav Pavlík, Jan Hlavín, Tomáš Klanc **Jan Hlavín** Jan Hlavín (Gar.)* | Z,ZK | 4 | 2P+2C | Z | z |
| 519U1K | **Technique of City Design** *Jana Zdráhalová, Lenka Burgerová, Jan Sedlák, Sára Šálková Roeselová, Matěj Šebek, Jan Jehlík Jana Zdráhalová (Gar.)* | Z,ZK | 3 | 2P+1C | L | z |
| 523MATK | **Building Materials** *Jan Hlavín, Jaroslava Babánková, Marek Pavlas **Marek Pavlas** Marek Pavlas (Gar.)* | KZ | 2 | 2P+0C | Z | z |

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| 520TKAK1 | **Landscape Technology I**<br>*Eva Jeníková, Aleš Dittert **Zuzana Štemberová** Aleš Dittert (Gar.)* | KZ | 3 | 1P+2C | L | z |
| 520TKA2K | **Landscape Technology II**<br>*Romana Michalková, Markéta Svobodová **Zuzana Štemberová** Romana Michalková (Gar.)* | KZ | 3 | 1P+2C | Z | z |
| 520TKA3K | **Landscape Technology IIII**<br>*Vladimír Sitta, Aleš Dittert **Zuzana Štemberová** Aleš Dittert (Gar.)* | KZ | 3 | 1P+2C | L | z |
| 520TKA4K | **Landscape Technology IV**<br>*Romana Michalková, Markéta Svobodová, Jakub Hepp, Jakub Hepp **Zuzana Štemberová** Romana Michalková (Gar.)* | KZ | 3 | 1P+2C | Z | z |
| 524TZI2K | **Engineering Equipment of Buldings II**<br>*Daniela Bošová, Zuzana Vyoralová, Petr Hrdlička, Lenka Prokopová **Lenka Prokopová** Zuzana Vyoralová (Gar.)* | KZ | 2 | 1P+1C | Z | z |
| 528EKLK | **Introduction to Sustainable Design**<br>*Klára Salzmann, Martin Čeněk, Karel Goláň, Vladimír Kočí, Karel Maier, Kateřina Rottová, Richard Železný, Jan Žemlička, Dalibor Hlaváček, ..... **Kateřina Rottová** Dalibor Hlaváček (Gar.)* | ZK | 2 | 2P+0C | Z | z |
| 511VT1K | **Visual Arts I**<br>*Zorka Krejčí, Gabriela Nováková, Ivan Vosecký **Gabriela Nováková** Ivan Vosecký (Gar.)* | KZ | 2 | 0P+2C | Z | z |
| 511VT2K | **Visual Arts II**<br>*Zorka Krejčí, Gabriela Nováková, Ivan Vosecký **Gabriela Nováková** Gabriela Nováková (Gar.)* | KZ | 2 | 0P+2C | L | z |
| 511VT3K | **Visual Arts III**<br>*Zorka Krejčí, Gabriela Nováková, Ivan Vosecký **Gabriela Nováková** Gabriela Nováková (Gar.)* | KZ | 2 | 0P+2C | Z | z |
| 511VT4K | **Visual Arts IV**<br>*Zorka Krejčí, Ivan Vosecký **Zorka Krejčí** Zorka Krejčí (Gar.)* | KZ | 2 | 0P+2C | L | z |
| 519U2K | **Urbanistic Composition I**<br>*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 BKA 2018 Name=Povinné bakalářské KA 2018**

| | | | |
|---|---|---|---|
| 516CAD1K | Compurter Aided Design I | KZ | 2 |
| CAD drawing and modelling, 2D and 3D, overview of other software for architecture | | | |
| 513DAT4 | History and Theory of Architecture IV | ZK | 2 |
| 513DAT5K | History and Theory of Architecture V | ZK | 2 |
| 513DU1K | History of Art I | ZK | 2 |
| 520DEN1 | Dendrology I | ZK | 2 |
| 520DEN2K | Dendrology II | KZ | 2 |
| 520DEN3 | Dendrology III | ZK | 2 |
| 522DGK | Descriptive Geometry | Z,ZK | 4 |
| 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. | | | |
| 520KA1K | Landscape Architecture I | Z,ZK | 3 |
| 520KA2K | Landscape Architecture II | Z,ZK | 3 |
| 520KA3K | Landscape Architecture III | Z,ZK | 3 |
| 511KP | Visual Arts-Practice | Z | 0 |
| 520NPR1 | Nature and Plant Science I | Z,ZK | 3 |
| 520NPR2 | Nature and Plant Science II | Z,ZK | 3 |
| 520NPR3 | Nature and Plant Science III | ZK | 2 |
| 520NPR4 | Nature and Plant Science IV | Z,ZK | 4 |
| 520NPR5 | Nature and Plant Science V | Z,ZK | 3 |
| 518NS1KB | Introduction | ZK | 2 |
| 518NSKIK | Concept and Interpretation | KZ | 2 |
| 526OJ1K | Professional Language I | Z,ZK | 2 |
| 514PP1K | Monument Preservation I | Z,ZK | 3 |
| 516PG1K | Computer Graphics I | KZ | 2 |

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| 523PS1BK | 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. | | | |
| 519U1K | 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 | | | |
| 523MATK | 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. | | | |
| 520TKAK1 | Landscape Technology I | KZ | 3 |
| 520TKA2K | Landscape Technology II | KZ | 3 |
| 520TKA3K | Landscape Technology IIII | KZ | 3 |
| 520TKA4K | Landscape Technology IV | KZ | 3 |
| 524TZI2K | Engineering Equipment of Buldings II | KZ | 2 |
| 528EKLK | Introduction to Sustainable Design | ZK | 2 |
| 511VT1K | Visual Arts I | KZ | 2 |
| 511VT2K | Visual Arts II | KZ | 2 |
| 511VT3K | Visual Arts III | KZ | 2 |
| 511VT4K | Visual Arts IV | KZ | 2 |
| 519U2K | Urbanistic Composition I | ZK | 2 |
| 599ZSPB | | Z | 1 |

Name of the block: Elective courses
Minimal number of credits of the block: 14
The role of the block: V

Code of the group: VOLITELNÉ BKA 2018
Name of the group: Volitelné bakalářské KA 2018
Requirement credits in the group: In this group you have to gain at least 14 credits
Requirement courses in the group:
Credits in the group: 14
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 |
|---|---|---|---|---|---|---|
| 516CAD2K | **Computer Aided Design II** *Petr Irinkov, Dušan Uruba Petr Irinkov (Gar.)* | KZ | 2 | 0P+2C | Z | v |
| 516CAD3K | **Compurter Aided Design III-Elective Course** *Petr Irinkov, Dušan Uruba* | KZ | 2 | 0P+2C | Z | v |
| 513DAT1 | **History and Theory of Architecture I** *Michael Rykl, Marián Matys Michael Rykl (Gar.)* | ZK | 2 | 2P+0C | Z | v |
| 513DAT2K | **History and Theory of Architecture II** *Michael Rykl, Pavel Kalina Pavel Kalina (Gar.)* | ZK | 2 | 2P+0C | L | v |
| 513DAT3 | **History and Theory of Architecture III** *Pavel Kalina Pavel Kalina (Gar.)* | ZK | 2 | 2P+0C | 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 |
| 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 |
| 520NPR6 | **Nature and Plant Science VI** *Ivan Plicka, Tomáš Dostál, Barbora Jáchymová, Adam Babuljak* ***Zuzana Štemberová*** *Ivan Plicka (Gar.)* | Z,ZK | 3 | 2P+1C | L | v |

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| 518NS2K | **Housing**<br>*Michal Kohout, Irena Šestáková, Jana Kubcová, Hana Seho, David Belko, Ondřej Tuček, Zbyšek Stýblo, David Tichý* ***David Tichý*** *David Tichý (Gar.)* | Z,ZK | 3 | 2P+1C | L | v |
| 518NS3K | **Public Buildings I**<br>*Michal Kohout, Irena Šestáková, David Belko, Ondřej Tuček, Zbyšek Stýblo, Michal Juha, Mirjana Petrik, Pavel Ullmann* ***Zbyšek Stýblo*** *Zbyšek Stýblo (Gar.)* | ZK | 2 | 2P+0C | Z | v |
| 518NS4K | **Public Buildings II**<br>***Ondřej Tuček*** | Z,ZK | 3 | 2P+1C | L | v |
| 526OJ2B | **Professional Language II**<br>*Kateřina Valentová, Naděžda Bonaventurová, Zuzana Krýzlová, Magdaléna Waageová* ***Kateřina Valentová*** *Zuzana Krýzlová (Gar.)* | KZ | 2 | 0P+2C | Z,L | v |
| 526OJ3B | **Professional Language III**<br>*Kateřina Valentová, Naděžda Bonaventurová, Zuzana Krýzlová, Magdaléna Waageová, Calvin Rambler, Mark Wiedorn, Brian Hodgman* ***Kateřina Valentová*** *Kateřina Valentová (Gar.)* | KZ | 2 | 0P+2C | L | v |
| 514PP2K | **Monument Preservation II**<br>*Jan Pešta Jan Pešta (Gar.)* | KZ | 2 | 2P+0C | L | v |
| 516PG2K | **Computer Graphics II**<br>*Martin Odehnal Martin Odehnal (Gar.)* | KZ | 2 | 0P+2C | Z | v |
| 523PS2K | **Building Construction II**<br>*Miloš Rehberger, Vladimír Jirka, Jan Hlavín, Marek Pavlas, Vladimír Daňkovský, Luboš Káně* ***Jan Hlavín*** *Jan Hlavín (Gar.)* | Z,ZK | 4 | 2P+2C | L | v |
| 523PS3K | **Building Construction III**<br>*Miloš Rehberger, Jaroslava Babánková, Vladimír Daňkovský, Pavel Meloun, Bedřiška Vaňková* ***Miloš Rehberger*** *Miloš Rehberger (Gar.)* | Z,ZK | 4 | 2P+2C | Z | v |
| 523PS4K | **Building Construction IV**<br>*Jaroslava Babánková, Luboš Káně, Petr Jůn, Marek Novotný, Zdeněk Kutnar* ***Luboš Káně*** *Luboš Káně (Gar.)* | Z,ZK | 3 | 1P+2C | L | v |
| 523PS5K | **Building Construction V**<br>*Luboš Káně, Petr Jůn, Marek Novotný, Zdeněk Kutnar* ***Luboš Káně*** *Marek Novotný (Gar.)* | KZ | 2 | 2P+0C | Z | v |
| 524PRES1K | **Implementation, Management and Economics of Construction 1**<br>*Daniela Bošová, Radka Navrátilová, Veronika Sojková* ***Radka Navrátilová*** *Radka Navrátilová (Gar.)* | Z,ZK | 4 | 2P+2C | L | v |
| 599STBC | **Residency** | Z | | | | v |
| 524TZIK | **Engineering Equipment of Buldings I**<br>*Daniela Bošová, Zuzana Vyoralová, Lenka Prokopová, Ondřej Horák* ***Lenka Prokopová*** *Lenka Prokopová (Gar.)* | Z,ZK | 4 | 2P+2C | Z | v |
| 519U3K | **Urban design - Theory**<br>*Irena Fialová, Zdeňka Havlová* ***Irena Fialová*** *Irena Fialová (Gar.)* | KZ | 2 | 1P+1C | L | v |
| 511VT5K | **Visual Arts V**<br>*Jiří Kárník, Gabriela Nováková, Ivan Vosecký* ***Gabriela Nováková*** *Ivan Vosecký (Gar.)* | KZ | 2 | 0P+2C | L | v |
| 599WS1 | **Workshop** | Z | | | | v |

**Characteristics of the courses of this group of Study Plan: Code=VOLITELNÉ BKA 2018 Name=Volitelné bakalářské KA 2018**

| | | | |
|---|---|---|---|
| 516CAD2K | Computer Aided Design II | KZ | 2 |
| Advanced modelling, working with materials, spotlights, cameras, visualisation, delineation in photographs in 3D-studio VIZ | | | |
| 516CAD3K | Compurter Aided Design III-Elective Course | KZ | 2 |
| 513DAT1 | History and Theory of Architecture I | ZK | 2 |
| 513DAT2K | History and Theory of Architecture II | ZK | 2 |
| 513DAT3 | History and Theory of Architecture III | ZK | 2 |
| 513DU2B | History of Art II | KZ | 2 |
| 513FSP2 | Philosophy, Sociology and Psychology II | KZ | 2 |
| 513FSP3 | Philosophy, Sociology and Psychology III | KZ | 2 |
| 520NPR6 | Nature and Plant Science VI | Z,ZK | 3 |
| 518NS2K | Housing | Z,ZK | 3 |
| 518NS3K | Public Buildings I | ZK | 2 |
| 518NS4K | Public Buildings II | Z,ZK | 3 |
| 526OJ2B | Professional Language II | KZ | 2 |
| 526OJ3B | Professional Language III | KZ | 2 |
| 514PP2K | Monument Preservation II | KZ | 2 |
| 516PG2K | Computer Graphics II | KZ | 2 |
| 523PS2K | 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. | | | |
| 523PS3K | Building Construction III | Z,ZK | 4 |
| Multicriteria design of material and structural variants of exterior walls, windows, doors and gates, partitions, non load-bearing part of floors (suspended ceilings and floorings). | | | |

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|---|---|---|---|
| 523PS4K | Building Construction IV | Z,ZK | 3 |
| Designing roofs and waterproofing protection of the substructure of buildings. | | | |
| 523PS5K | Building Construction V | KZ | 2 |
| Defects of basements, substructure, walls, roofs, truss, sealings, floors, curtains, stairs and other structures - ways of repair | | | |
| 524PRES1K | Implementation, Management and Economics of Construction 1 | Z,ZK | 4 |
| 599STBC | Residency | Z | |
| 524TZIK | 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. | | | |
| 519U3K | Urban design - Theory | KZ | 2 |
| 511VT5K | 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 |
| 511VT1K | Visual Arts I | KZ | 2 |
| 511VT2K | Visual Arts II | KZ | 2 |
| 511VT3K | Visual Arts III | KZ | 2 |
| 511VT4K | Visual Arts IV | KZ | 2 |
| 511VT5K | Visual Arts V | KZ | 2 |
| 513DAT1 | History and Theory of Architecture I | ZK | 2 |
| 513DAT2K | History and Theory of Architecture II | ZK | 2 |
| 513DAT3 | History and Theory of Architecture III | ZK | 2 |
| 513DAT4 | History and Theory of Architecture IV | ZK | 2 |
| 513DAT5K | History and Theory of Architecture V | ZK | 2 |
| 513DU1K | 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 |
| 514PP1K | Monument Preservation I | Z,ZK | 3 |
| 514PP2K | Monument Preservation II | KZ | 2 |
| 516CAD1K | Compurter Aided Design I | KZ | 2 |
| CAD drawing and modelling, 2D and 3D, overview of other software for architecture | | | |
| 516CAD2K | Computer Aided Design II | KZ | 2 |
| Advanced modelling, working with materials, spotlights, cameras, visualisation, delineation in photographs in 3D-studio VIZ | | | |
| 516CAD3K | Compurter Aided Design III-Elective Course | KZ | 2 |
| 516PG1K | Computer Graphics I | KZ | 2 |
| 516PG2K | Computer Graphics II | KZ | 2 |
| 518NS1KB | Introduction | ZK | 2 |
| 518NS2K | Housing | Z,ZK | 3 |
| 518NS3K | Public Buildings I | ZK | 2 |
| 518NS4K | Public Buildings II | Z,ZK | 3 |
| 518NSKIK | Concept and Interpretation | KZ | 2 |
| 519U1K | 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 | | | |
| 519U2K | Urbanistic Composition I | ZK | 2 |
| 519U3K | Urban design - Theory | KZ | 2 |
| 520AT1KA | Studio 1 | KZ | 10 |
| 520AT2K | Studio 2 | KZ | 11 |
| 520AT3K | Studio 3 | KZ | 11 |
| 520BP | Bachelor Project | Z | 26 |
| 520DEN1 | Dendrology I | ZK | 2 |
| 520DEN2K | Dendrology II | KZ | 2 |
| 520DEN3 | Dendrology III | ZK | 2 |
| 520KA1K | Landscape Architecture I | Z,ZK | 3 |
| 520KA2K | Landscape Architecture II | Z,ZK | 3 |

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|---|---|---|---|
| 520KA3K | Landscape Architecture III | Z,ZK | 3 |
| 520NPR1 | Nature and Plant Science I | Z,ZK | 3 |
| 520NPR2 | Nature and Plant Science II | Z,ZK | 3 |
| 520NPR3 | Nature and Plant Science III | ZK | 2 |
| 520NPR4 | Nature and Plant Science IV | Z,ZK | 4 |
| 520NPR5 | Nature and Plant Science V | Z,ZK | 3 |
| 520NPR6 | Nature and Plant Science VI | Z,ZK | 3 |
| 520TKA2K | Landscape Technology II | KZ | 3 |
| 520TKA3K | Landscape Technology IIII | KZ | 3 |
| 520TKA4K | Landscape Technology IV | KZ | 3 |
| 520TKAK1 | Landscape Technology I | KZ | 3 |
| 520ZKN | Basics of Landscape Design I | KZ | 8 |
| 520ZKNA | Basics of Landscape Design II | KZ | 9 |
| 522DGK | Descriptive Geometry | Z,ZK | 4 |
| 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 | | | |
| 523MATK | 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. | | | |
| 523PS1BK | 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. | | | |
| 523PS2K | 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. | | | |
| 523PS3K | Building Construction III | Z,ZK | 4 |
| Multicriteria design of material and structural variants of exterior walls, windows, doors and gates, partitions, non load-bearing part of floors (suspended ceilings and floorings). | | | |
| 523PS4K | Building Construction IV | Z,ZK | 3 |
| Designing roofs and waterproofing protection of the substructure of buildings. | | | |
| 523PS5K | Building Construction V | KZ | 2 |
| Defects of basements, substructure, walls, roofs, truss, sealings, floors, curtains, stairs and other structures - ways of repair | | | |
| 524PRES1K | Implementation, Management and Economics of Construction 1 | Z,ZK | 4 |
| 524TZI2K | Engineering Equipment of Buldings II | KZ | 2 |
| 524TZIK | 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. | | | |
| 526OJ1K | Professional Language I | Z,ZK | 2 |
| 526OJ2B | Professional Language II | KZ | 2 |
| 526OJ3B | Professional Language III | KZ | 2 |
| 528EKLK | Introduction to Sustainable Design | ZK | 2 |
| 599STBC | Residency | Z | |
| 599WS1 | Workshop | Z | |
| 599ZSPB | | Z | 1 |

For updated information see http://bilakniha.cvut.cz/en/FF.html
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