



ACADEMIC YEAR
2024/25

FACULTY OF
ARCHITECTURE

ENGLISH LANGUAGE STUDY PROGRAMS



FAKULTA
ARCHITEKTURY
ČVUT V PRAZE



ENGLISH LANGUAGE STUDY PROGRAMS

Academic Year
2024/25

III.

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2024|25
Academic Year**

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A.

Time Schedule of the 2024|25 Academic Year

Winter semester 23. 9. 2024 – 16. 2. 2025

13 weeks of tuition 23. 9. 2024–22. 12. 2024

until 1. 9. 2024	Announcement of studio project topics for WS 2024/25
4. 9. – 8. 9. 2024	1st round of applications for studios for students
9. 9. – 1. 10. 2024	Registration of subjects in KOS (registration closes at 9 am)
11. 9. – 15. 9. 2024	2nd round of applications for studios for students
until 12. 9. 2024	Application for the Ph.D. Dissertation defence and State doctoral exam in the WS 2024/25
17. 9. 2024	Enrolment of Erasmus+ & Exchange and MAG degree in EN students in WS 2024/25
18. 9. – 19. 9. 2024	3rd round of applications for studios for students
19. 9. 2024	Alternative date of enrolment into the Ph.D. program
until 19. 9. 2024	Application for the MAG SE in the WS 2024/25
until 19. 9. 2024	Registration of the MAG DP in the WS 2024/25
until 19. 9. 2024	Submission of the BP and DP assignment for WS 2024/25
20. 9. 2024	Final deadline for completing subjects with A and GA and exams registered in the SS 2023/24
until 22. 9. 2024	Review of credits obtained in the AY 2023/24 in the KOS system
23. 9. 2024	Winter semester starts
21. 10. – 1. 11. 2024	Exhibition of Design studio projects from Erasmus+ & Exchange
25. 10. 2024	Dean's day (Classes cancelled)
28. 10. 2024	Classes cancelled
1. 11. 2024	Erasmus applications - study trips abroad for students
23. 12. 24 – 5. 1. 2025	Christmas break

1. 1. – 31. 1. 2025	Application period for MAG study programs in EN for AY 2025/26
6. 1. – 12. 1. 2025	Design Studio Week - FA NONSTOP
13. 1. – 16. 2. 2025	Winter term exam period
13. 1. 2025	By 12 noon submission of MAG Diploma projects WS
13. 1. 2025	By 12 noon submission of Design studio projects WS
13. 1. – 7. 2. 2025	Exhibition of Design studio projects
20. 1. – 24. 1. 2025	Ph.D. Dissertation defence + State doctoral exam WS
until 26. 1. 2025	Announcement of studio project topics for SS 2024/25
29. 1. – 2. 2. 2025	1st round of applications for studios for students
3. 2. – 25. 2. 2025	Registration of subjects in KOS (registration closes at 9 am)
4. 2. 2025	MAG Diploma projects defence WS 2024/25
4. 2. – 11. 3. 2025	MAG Diploma projects exhibition WS 2024/25
5. 2. – 9. 2. 2025	2nd round of applications for studios for students
11. 2. 2025	Enrolment of Erasmus & Exchange in SS 2024/25
12. 2. – 13. 2. 2025	3rd round of applications for studios for students
until 13. 2. 2025	Application for the MAG SE in the SS 2024/25
until 13. 2. 2025	Application for the Ph.D. Dissertation defence and State doctoral exam in the SS 2024/25
until 13. 2. 2025	Registration of the MAG DP in the SS 2024/25
14. 2. 2025	Final deadline for completing subjects with A and GA registered in the WS 2023/24
16. 2. 2025	Review of credits obtained in the 1st year of the MAG study programs in KOS

Summer semester 17. 2. 2025 – 29. 6. 2025

13 weeks of tuition 17. 2. 2025–18. 5. 2025

17. 2. 2025	Summer semester starts
26. 2. 2025	Opening of registration for the MAG SE in the SS in KOS
week of 3. 3. 2025	Admission procedure for MAG study programs in EN – Oral interview (exact date will be announced)
6. 3. 2025	MAG study programs Graduation ceremony
14. 3. 2025	Final deadline for exams in subjects registered in the WS 2024/25
31. 3. 2025	Classes cancelled (Easter)
11. 4. – 31. 5. 2024	Application period for Ph.D. study programs in EN for AY 2025/26
18. 4. 2025	Classes cancelled (Easter)
1. 5. 2025	Classes cancelled - State holiday

8. 5. 2025	Classes cancelled - State holiday
14. 5. 2025	Rector's day
19. 5. – 25. 5. 2025	Design Studio Week - FA NONSTOP
26. 5. 2025	By 12 noon submission of MAG Diploma projects SS
26. 5. – 27. 6. 2025	Summer term exam period
26. 5. 2025	By 12 noon submission of Design studio projects SS
26. 5. – 20. 6. 2025	Exhibition of Design studio projects
2. 6. – 6. 6. 2025	Ph.D. Dissertation defence and State doctoral exam SS
10. 6. 2025	MAG Diploma projects defence SS 2024/25
10. 6. – 27. 6. 2025	MAG Diploma projects exhibition SS 2024/25
26. 6. 2025	MAG study programs Graduation ceremony
27. 6. 2025	Final deadline for completing subjects with A and GA registered in the SS 2024/25
30. 6. – 31. 8. 2025	Summer Break
1. 9. – 4. 9. 2025	Review of credits obtained in the AY 2024/25 in KOS
21. 9. 2025	End of academic year 2024/25

Admission procedure for MAG study programs in EN - for 2025/26:

applications	1. 1. – 31. 1. 2025
oral interview	in the week of 24. 2. 2025
alrernate date	in the week of 17. 3. 2025

Admission procedure for Ph.D. study programs in EN - for 2025/26:

applications	1. 4. – 30. 4. 2025
admission procedure	18. 6. 2025

B.

English Program Study Plans

The study plans detail the requirements for the enrolling in subjects and for meeting the requirements for completion of study programs. The study plan provides a recommended order of subjects. The monitored period of study is the academic year. The study is always checked before the start of the new academic year.

In each semester, the student is required to enrol in subjects that are equivalent to at least **20 credits**. The recommended amount with regard to the regular length of study is 30 credits.

ENROLMENT INTO COURSES

Enrolment is carried out (with the exception of Studio subjects) electronically in the KOS component. Students can enrol in subjects in a different order than the one provided in the recommended study plans; however, they are obliged to respect the compulsory order of some subjects.

Students can enrol in pre-approved workshops as elective subjects, equivalent to 2 credits; in total, a student can enrol in 2 workshops in the master's study program. In the week after their first enrolment into their studies the students are obliged to take part in a compulsory Master degree entrance workshop in which their bachelor level technical skills will be developed and further individual training or counselling recommended if necessary.

INFORMATION ON THE MASTER'S ARCHITECTURE AND URBANISM STUDY PROGRAM IN ENGLISH |MAG_AU_EN|

This study plan is valid for the 2024/25 academic year for all students in the study program Architecture and Urbanism in the English language at CTU FA.

Students enrol in the subject Studio (ATS1, ATU, ATVZ, ATV, ATRN) on the dates stipulated in the time schedule of the academic year. The assignment of individual studios is published on the FA website before the start of each semester. During the course of their master's studies students must attend

at least two different design studios and enrol their subject Studios in the design studio that corresponds with their subject (ATS1, ATU, ATVZ, ATV, ATRN).

English Master degree students ATRN project has to be a building construction project. **Please consult the choice of your studio leader with the EN coordinator before the start of the semester.**

Credits for elective courses can also be obtained by completing courses in the study program Design (FA CTU) or Landscape Architecture (FA CTU), completing a similar course at a foreign university (following approval by the FA Study Department), or by completing an approved workshop included in the relevant study program.

Students who have earned at least **92 credits** for successfully completing compulsory and elective subjects who have passed the state examination in Architecture and Urbanism and Building Management can register for their diploma project.

INFORMATION ON THE MASTER'S DESIGN STUDY PROGRAM IN ENGLISH |MAG_D_EN|

This study plan is valid for the 2024/25 academic year for all students in the master's Design study program in the English language. Due to the relationship between the content of these subjects, the following order of subjects is obligatory: DSD, DP.

Students enrol in the subject Studio (AD4, AD5, AD6, ATVD) on the dates stipulated in the time schedule of the academic year. The assignment of individual studios is published on the FA website before the start of each semester. During the course of their master's studies students must attend at least two different design studios and enrol their subject Studios in the design studio that corresponds with their subject (AD4, AD5, AD6, ATVD).

Credits for optional subjects can be earned by completing subjects of the study program Architecture and Urbanism (FA CTU) and Landscape Architecture (FA CTU), by completing a similar course at a foreign university (following approval by the FA Study Department), or by completing an approved workshop included in the relevant study program.

Students who have earned at least **92 credits** for successfully completing compulsory and elective subjects who have passed the state examination in Design and in Design Practice and Management can register for their diploma project.

INFORMATION ON THE MASTER'S LANDSCAPE ARCHITECTURE STUDY PROGRAM IN ENGLISH |MAG_LA_EN|

This study plan is valid from the 2024/25 academic year for all students in the study program Architecture and Urbanism in the English language at CTU FA.

Students enrol in the subject Studio (AT4, AT5, AT6, ATVL) on the dates stipulated in the time schedule of the academic year. The assignment of individual studios is published on the FA website before the start of each semester. During the course of both their master's studies students must attend at least two different design studios and enrol their subject Studios in the design studio that corresponds with their subject (AT4, AT5, AT6, ATVL).

Credits for elective courses can also be obtained by completing courses in the study program Design (FA CTU) or Architecture and Urbansim (FA CTU), completing a similar course at a foreign university (following approval by the FA Study Department), or by completing an approved workshop included in the relevant study program.

Students who have earned at least **92 credits** for successfully completing compulsory and elective subjects who have passed the state examination in Landscape Architecture can register for their diploma project.

MAG_AU_EN

Code Responsible Department no. Semester Credits
 Lecturer Course Unit 7 8 9 10 comp elec

Design studios and art courses									
500ATS1	Design Studio	Archit - Design Studio - Building Complex	0 + 8 / 11 GA					11	
500ATU	Design Studio	Archit - Design Studio - Urban Design			0 + 8 / 13 GA			13	
500ATVZ	Design Studio	Archit - Design Studio - Independent Study		0 + 8 / 11 GA				11	
500ATRn	Design Studio	Archit - Design Studio - Comprehensive Project			0 + 8 / 11 GA			11	
500ATV	Design Studio	Archit - Design Studio - Elective	0 + 4 / 4 GA					4	
500DS	Design Studio	Archit - Diploma Seminar			0 + 2 / 2 GA			2	
500DP1	Design Studio	Archit - Diploma Project					0 + 20 / 30 A	30	

Architecture, urban and landscape design courses									
500PP2	151114 Štulc	Monument Preservation Theory and Practice		2 + 1 / 3 A,E				3	
500I2	151115	Interior II - History of Interior		2 + 0 / 2 E	2 + 0 / 2 E			4	
500I3	Soukenka, Kastlová	Interior III - History of Theatre							
500N55	151118 Kohout, Tichý	Building Theory V	1 + 1 / 2 GA					2	
500U21	151119	Urbanism II - History		2 + 0 / 2 E	1 + 1 / 2 GA			2	2
500U31	Burgrafová, Fialová	Urbanism III - Theory							
500U4	151119 Jehlička	Urbanism IV - Design		2 + 1 / 3 A,E				3	
500UP1	15121	Planning I - Urban Planning	2 + 1 / 3 A,E	1 + 1 / 2 GA				3	2
500UP2	Maier, Vorel	Planning II - Spatial and Strategic Planning							
500SU	15121 Vorel	Smart Urbanism		2 + 0 / 2 A,E				2	
500EK13	15121	Ecology III - Social Ecology	2 + 0 / 2 GA	2 + 0 / 2 A,E				2	2
500EK12	Klápsťák	Ecology II							
500TK21	15120	Landscape Architecture I - Introduction	2 + 1 / 3 A,E	2 + 0 / 2 GA				3	2
500TK23	Fingerová	Landscape Architecture III - Technology							
500TZ12	15124 Výpralová	Technical Infrastructure I - Urban Utilities	2 + 1 / 3 A,E					3	

Humanities and social science courses									
500DA1-2	15113	History of Architecture I/II, III/IV	2 + 0 / 2 E	2 + 0 / 2 E				2	2
500DA3-4	Kalina								
500DA5	15113	Modern Architecture	2 + 0 / 2 E			2 + 0 / 2 E		4	
500SAT	Šlapeta	Contemporary Architecture							
500TA1	15113 Tourek, Tichá	Theory of Architecture and Esthetics			1 + 1 / 2 GA			2	

Technical and management courses									
500NK5	15122 Pospíšil	Load-Bearing Structures V		2 + 1 / 3 GA				3	
500P	15122 Pospíšil	Law		2 + 0 / 2 E				2	
500PAM2	15124 Pernicová	Building Technology and Management II	2 + 1 / 3 A,E					3	
500EKON	15124 Tatýrek	Economics		2 + 1 / 3 A,E				3	
500CAD5	15121 Čtyroky	Computer Aided Design V - GIS	1 + 1 / 2 GA					2	
500CAD3	15116	Computer Aided Design III, IV	0 + 2 / 2 GA	0 + 2 / 2 GA				4	
500CAD4	Achten								
500DC1	15123 Márek	Design Computing I - BIM	1 + 1 / 2 GA					2	
500DC2	15116 Achten	Design Computing II - Architecture		1 + 1 / 2 GA				2	
500DC3	15122 Šrubař, Kurilla	Design Computing III - Geometry			1 + 1 / 2 GA			2	
Other courses									
500PG1	15116 Sýsová	Computer Graphics I			0 + 2 / 2 GA			2	

Compulsory Courses: 2+1/3 (lectures + seminars / number of credits)

E=Examination; GA=Graded Assessment; A=Assessment

Elective Courses: 2+1/3 (lectures + seminars / number of credits)

Not all Elective Courses open every Academic Year

Compulsory Courses - credits total 79

Diploma Project - credits total 30

Electives Courses : compulsory / offered 11 / 42

Total Number of Credits 120

compulsory profile courses - hours / credits	8	11	8	11	16	24	20	30	76
compulsory theoretical profile courses - hours / credits	8	8	10	10	0	0	0	0	18
compulsory courses - hours / credits	6	6	11	11	0	0	0	0	13
elective courses offer - credits		12		16		12		2	42
elective courses compulsory - credits		3		0		6		2	11
compulsory courses - hours	22		28		16		20		
total - hours / credits	25	30	28	28	22	30	22	32	120
examination - compulsory	4		6		0		0		10
graded assessment - compulsory	4		2		2		0		6
assessment - compulsory	4		3		0		1		8

Code			Responsible Department				Semester				Credits																																																																																																																																			
Lecturer			Course Unit				7	8	9	10	comp elec																																																																																																																																			
Design studios and art courses																																																																																																																																														
500AD4	Design Studio	Design - Design Studio - IV	0 + 12 / 17 GA								17																																																																																																																																			
500AD5	Design Studio	Design - Design Studio - V		0 + 12 / 18 GA							18																																																																																																																																			
500AD6	Design Studio	Design - Design Studio - VI			0 + 12 / 22 GA						22																																																																																																																																			
500ATVD	Design Studio	Design - Design Studio - Elective		0 + 4 / 4 GA							4																																																																																																																																			
500DSD	Design Studio	Design - Diploma Seminar			0 + 2 / 2 GA						2																																																																																																																																			
500DPD	Design Studio	Design - Diploma Project							0 + 20 / 28 A		28																																																																																																																																			
500VTD6	15111 Melenová	Art practice VI	0 + 2 / 2 GA								2																																																																																																																																			
Design courses																																																																																																																																														
500ND3	15150 Karel Šafařík	Teachings of Design III		2 + 0 / 2 E							2																																																																																																																																			
500DPM	15150 Šafařík, Aslan	Design Process Methodology		2 + 1 / 3 A, E							3																																																																																																																																			
500MD	15150 Šafařík, Sivý	Multimedia Design / Design and Technology	2 + 1 / 3 A, E								3																																																																																																																																			
500I2	15115	Interior II - History of Interior	2 + 0 / 2 E	2 + 0 / 2 E							2	2																																																																																																																																		
500I3	Soukenka, Kastlová	Interior III - History of Theatre																																																																																																																																												
500OP	15150 Kočič	Product Ecology		2 + 0 / 2 E							2																																																																																																																																			
500EKL3	15121 Klapště	Ecology II		2 + 0 / 2 GA	2 + 0 / 2 GA						4																																																																																																																																			
500NS5	15118 Kohout, Tichý	Ecology III - Social Ecology						1 + 1 / 2 GA			2																																																																																																																																			
Humanities and social science courses																																																																																																																																														
500TD	15113 Guzík	Theory of Design	1 + 1 / 2 GA								2																																																																																																																																			
500TA1	15113 Tourek, Tichá	Theory of Architecture and Esthetics						1 + 1 / 2 GA			2																																																																																																																																			
500DU3	15113 Guzík, Tichá	History of Art III		2 + 0 / 2 GA							2																																																																																																																																			
Technical and management courses																																																																																																																																														
500MT5	15150 Beneš	Materials and technology V	2 + 1 / 3 A, E								3																																																																																																																																			
500EM1	15124	Economics and management I, II	1 + 1 / 2 A, E	2 + 0 / 2 E							4																																																																																																																																			
500EM2	Sojková																																																																																																																																													
500P	15122 Pospíšil	Law		2 + 0 / 2 E							2																																																																																																																																			
500CGD	15116 Odehnal	Computer Graphics for Design			1 + 1 / 2 GA						2																																																																																																																																			
500PG1	15116 Sýsová	Computer Graphics I	0 + 2 / 2 GA								2																																																																																																																																			
Compulsory Courses: 2+1/3 (lectures + seminars / number of credits)										77																																																																																																																																				
E = Examination, GA = Graded Assessment A = Assessment										28																																																																																																																																				
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<table border="1"> <thead> <tr> <th>compulsory profile courses - hours / credits</th> <th>12</th> <th>17</th> <th>12</th> <th>18</th> <th>14</th> <th>24</th> <th>20</th> <th>28</th> <th></th> <th></th> <th></th> <th></th> </tr> </thead> <tbody> <tr> <td>compulsory theoretical profile courses - hours / credits</td> <td>17</td> <td>7</td> <td>10</td> <td>11</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td></td> <td></td> <td></td> <td>87</td> </tr> <tr> <td>compulsory courses - hours / credits</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td></td> <td></td> <td></td> <td>18</td> </tr> <tr> <td>elective courses offer - credits</td> <td>0</td> <td>9</td> <td>0</td> <td>12</td> <td>0</td> <td>6</td> <td>2</td> <td>2</td> <td></td> <td></td> <td></td> <td>0</td> </tr> <tr> <td>elective courses compulsory - credits</td> <td></td> <td>4</td> <td></td> <td>3</td> <td></td> <td>6</td> <td>2</td> <td>2</td> <td></td> <td></td> <td></td> <td>27</td> </tr> <tr> <td>compulsory courses - hours</td> <td>21</td> <td></td> <td>21</td> <td></td> <td>14</td> <td></td> <td>20</td> <td></td> <td></td> <td></td> <td></td> <td>15</td> </tr> <tr> <td>total - hours / credits</td> <td>25</td> <td>30</td> <td>24</td> <td>30</td> <td>20</td> <td>30</td> <td>22</td> <td>30</td> <td></td> <td></td> <td></td> <td>120</td> </tr> <tr> <td>examination - compulsory</td> <td>3</td> <td></td> <td>4</td> <td></td> <td>0</td> <td></td> <td>0</td> <td></td> <td></td> <td></td> <td></td> <td>7</td> </tr> <tr> <td>graded assessment - compulsory</td> <td>2</td> <td></td> <td>1</td> <td></td> <td>2</td> <td></td> <td>0</td> <td></td> <td></td> <td></td> <td></td> <td>5</td> </tr> <tr> <td>assessment - compulsory</td> <td>2</td> <td></td> <td>1</td> <td></td> <td>0</td> <td></td> <td>1</td> <td></td> <td></td> <td></td> <td></td> <td>4</td> </tr> </tbody> </table>													compulsory profile courses - hours / credits	12	17	12	18	14	24	20	28					compulsory theoretical profile courses - hours / credits	17	7	10	11	0	0	0	0				87	compulsory courses - hours / credits	0	0	0	0	0	0	0	0				18	elective courses offer - credits	0	9	0	12	0	6	2	2				0	elective courses compulsory - credits		4		3		6	2	2				27	compulsory courses - hours	21		21		14		20					15	total - hours / credits	25	30	24	30	20	30	22	30				120	examination - compulsory	3		4		0		0					7	graded assessment - compulsory	2		1		2		0					5	assessment - compulsory	2		1		0		1					4
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Code	Responsible Department no.		Semester				Credits	
	Lecturer	Course Unit	7	8	9	10	comp	elec
Design studios and art courses								
500AT4	Design Studio	Landscape - Design Studio IV - Urban Landscape Project	0+8 / 13 GA					13
500AT5	Design Studio	Landscape - Design Studio V - Landscape Project		0 + 8 / 13 GA				13
500AT6	Design Studio	Landscape - Design Studio VI - Landscape Comprehensive			0+8 / 14 GA			14
500ATVL	Design Studio	Landscape - Design Studio - Elective		0 + 4 / 4 GA				4
500DSL	Design Studio	Landscape - Design Studio - Diploma Seminar			0+2 / 2 GA			2
500DPL	Design Studio	Landscape - Design Studio - Diploma Project				0+28 / 28 A		28
500VTD6	15111 Melenová	Art practice VI	0+2 / 2 GA					2
Landscape design courses								
500CL1	15114 Hauserová	Cultural Landscape I	2+1 / 3 A, E					3
500TKZ4	15120 Plička, Sitta, Fingerová	Landscape Architecture IV	0+2 / 2 E					2
500LP1	15120 Šklenička, Salzmann	Landscape Planning I	2+0 / 2 GA					2
500TZ12	15124 Výzorlová	Technical Infrastructure II - Urban Utilities			2+1/3 A, E			3
500TKZ3	15120 ???	Landscape Architecture III - Technology	2+0 / 2 GA					2
500U21	15119	Urbanism II - History		2+0 / 2 E	1+1 / 2 GA			4
500U31	Burgerová, Fliaová	Urbanism III - Theory						
500U4	15119 Jehlik	Urbanism IV - Design	2+1 / 3 A, E					3
500UP1	15121	Planning I - Urban Planning	2+1 / 3 A, E	1+1 / 2 GA				3 2
500UP2	Maier, Vorel	Planning II - Spatial and Strategic Planning						
500EKL3	15121	Ecology III - Social Ecology	2+0 / 2 GA					2 2
500EKL2	Klapště	Ecology II						
500NS5	15118 Kahout, Tichý	Building Theory V			1+1 / 2 GA			2
Humanities and social science courses								
500LAT1	15113 Tichá	Landscape Architecture Theory I			2+0 / 2 E			2
500DU3	15113 Guzík, Tichá	History of Art III	2+0 / 2 GA					2
500DA5	15113	Modern Architecture			2+0 / 2 E	2+0 / 2 E		4
500SAT	Šlapeta	Contemporary Architecture						
Technical and management courses								
500LCM	15124 Sajková, Borusik	Landscape Construction and Management	2+1 / 3 A, E					3
500EBE	15121 Maier, Vorel	Economy of Built Environment		2+1 / 3 A, E				3
500P	15122 Pospíšil	Law		2+0 / 2 E				2
500CAD3	15116	Computer Aided Design III, IV						
500CAD4	Achten		0+2 / 2 GA	0+2 / 2 GA				4
500CAD5	15121 Čtyrský	Computer Aided Design V - GIS			1+1 / 2 GA			2
		Other courses						
500PG1	15116 Sýsová	Computer Graphics I			0+2 / 2 GA			2
Compulsory Courses: 2+1/3 (lectures + seminars / number of credits)							72	
E = Examination, GA = Graded Assessment A = Assessment							Diploma Project - credits total	28
Elective Courses: 2+1/3 (lectures + seminars / number of credits)							Electives Courses - compulsory / offered	20 30
Not all Elective Courses open every Academic Year							Total Number of Credits	120
		compulsory profile courses - hours / credits	8	13	10	16	28	70
		compulsory theoretical profile courses - hours / credits	10	8	0	0	0	18
		compulsory courses - hours / credits	3	4	4	5	5	9
		elective courses offer - credits	6	12		10	2	30
		elective courses compulsory - credits	4	5		9	2	20
		compulsory courses - hours	21	20	21	28	2	
		total - hours / credits	25	30	30	30	30	120
		examination - compulsory	4	3	2	0	0	9
		graded assessment - compulsory	2	3	2	0	0	7
		assessment - compulsory	3	2	1	1	0	7

IV.

Tuition at the FA

A. Studios

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B. Courses

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A.

Studios

The quality of studio teaching at the FA has been monitored in recent years by regular evaluation committees composed of faculty teachers and external experts.

1. Study program MAG__AU__EN

Studio training takes place in vertical studios, where students have the opportunity to work together on assignments provided by the head of studio and for which students apply based on their choice, and following agreement with the head of the studio. Mutual cooperation, work on similar topics and the manner of communication with the studio management are considered the main advantages of this working method. There are usually two joint presentations during the course of the semester and at the end of the semester final project presentations and the central exhibition of projects of all studios are held.

LIST OF STUDIOS

STUDIO Achten–Pavlíček (CZ, EN)	D.15116
STUDIO Baum (CZ, EN)	D.15129
STUDIO Cikán (CZ).....	D.15127
STUDIO Císler (CZ, EN)	D.15118
STUDIO Florián (FLOW) CZ, EN)	D.15116
STUDIO Efler (CZ, EN).....	D.15114
STUDIO Gírsa (CZ, EN)	D.15114
STUDIO Hájek (CZ, EN).....	D.15129
STUDIO Hlaváček (CZ, EN).....	D.15128
STUDIO Hradečný (CZ)	D.15127
STUDIO Juha (CZ, EN).....	D.15118
STUDIO Klokočka (CZ, EN).....	D.15119
STUDIO Kohout–Tichý (CZ).....	D.15118
STUDIO Kordík (CZ, EN)	D.15128

STUDIO Kordovský (CZ, EN).....	D.15128
STUDIO Koucký (1 + XX).....	D.15118
STUDIO Krátký (CZ, EN).....	D.15129
STUDIO Kuzemenský (CZ).....	D.15119
STUDIO Lábus (CZ, EN).....	D.15129
STUDIO Mádr (CZ).....	D.15128
STUDIO Maier (CZ, EN).....	D.15121
STUDIO Novotný (CZ).....	D.15127
STUDIO Plicka (CZ, EN).....	D.15119
STUDIO Redčenkov–Danda (CZ).....	D.15118
STUDIO Rehwaldt (CZ, EN).....	D.15120
STUDIO Sedlák (CZ, EN).....	D.15129
STUDIO Seho (CZ, EN).....	D.15128
STUDIO Sitta (CZ, EN).....	D.15120
STUDIO Sosna-Filsak (CZ).....	D.15127
STUDIO Soukenka (CZ, EN).....	D 15115
STUDIO Stempel–Beneš (CZ, EN).....	D.15127
STUDIO Suske (CZ, EN).....	D.15129
STUDIO Šestáková–Dvořák (CZ, EN).....	D.15118
STUDIO Tesař (CZ, EN).....	D.15127
STUDIO Valouch (CZ).....	D.15128
STUDIO visitng professor – querkraft (EN).....	D.15140
STUDIO Vojtík (CZ, EN).....	D.15121
STUDIO ZMEK (CZ).....	D.15119

DEFINITION OF STUDIO TRAINING

The principles of architectural design are studied and practised on a wide range of building structures: new developments as well as urban renewal and reconstruction. Studios at this level are enriched by studios focusing on topics such as sustainable design, contemporary technologies, interior architecture and preservation. Students are offered a choice of semester assignments either for individual or group elaboration. The advanced urban design studio works on a development and/or urban regeneration project for a part of a town or a city. Students are required to work out an urban analysis (survey), draft programs with variants and decide on a final urban design. Most studio assignments have real-life clients from the planning departments of municipalities.

Studio assignments in all semesters of the master's study program require continuous participation in consultations and presentations. The coursework includes an analysis of the selected site/area, solution of its wider relations, or possibly also a search of completed similar projects. All details about the course of the semester and submission are specified in the assignment of

the studio work. Evaluation criteria include participation in consultations and presentations, demonstration of the acquired knowledge and the ability to apply the acquired knowledge in the field of architectural design, from conception to the student's own design to its presentation, in both written and oral form. In recent years, the quality of studios at the FA has been monitored through regular evaluations by committees composed of faculty teachers and outside experts.

DESIGN STUDIO – BUILDING COMPLEX – ATS1

[Compulsory; 7. sem.; 0+8; Graded Assessment; MAG__AU__EN]

The aim is to acquaint the student of the master's program with the problems of the demanding construction complex and practical use of basic terms from the typology of civil, industrial, or agricultural buildings. The assignment may have a well-defined program or the task may be formulated as a search for the potential of the specified parcel. The result of the work is a design of a set of buildings or structures with a typologically specific and complex or multifunctional program, including the link to a specific site.

Recommended design studios ATS1 for students in MAG__AU__EN program: Číslar, Efler, Fránek, Hájek-Hulín, Hlaváček-Čeněk, Klokočka, Kolářík, Kordovský, Krátky-Marques, Kuzemský, Lábus-Šrámek, Lampa, Plicka, Sedlák, Šestáková, Stempel-Beneš, Valouch.

DESIGN STUDIO – URBAN DESIGN – ATU

[Compulsory; 8. sem.; 0+8; Graded Assessment; MAG__AU__EN]

The goal of the course unit is for the student to acquire the ability to elaborate a project involving the problems of urban design on various scales, through the practical use of knowledge and basic concepts acquired in urban subjects of study. In the analytical phase of the work the student works with information about the territory. This deals with the wider relationships involved, the physical space and its perception, use of objects and areas, flows of people, materials and energies. The output is a problem map - a depiction of constraints and potentials. In the conceptual phase, the student creates a vision - use, spatial structure and granularity of the space in question - documented by a working model. The design phase solves the position of the area in the context of the city or region, floor plans indicating spatial arrangement and use, general sections or elevation views illuminating the height solution (usually on a scale up to two more detailed than floor plans), visualisation of the whole axonometry), several visualisations of the main public spaces usually from the normal horizon, transport solutions including pedestrian and public transport and traffic at rest and, a design implementation procedure - diagrams of individual phases. An integral part of the work is a text explaining the design principles. A final model is recommended.

Recommended design studios ATU for students in MAG__AU__EN program:

Císler, Efler, Hájek-Hulín, Hanson, Hlaváček-Čeněk, Klokočka, Kolařík, Kordovský, Krátky-Marques, Kuzemský, Lábus-Šrámek, Lampa, Plicka, Sedlák, Šestáková, Šindlerová, Stempel-Beneš, Valouch.

DESIGN STUDIO – INDEPENDENT STUDY – ATVZ

[Compulsory; 9. sem.; 0+8; Graded Assessment; MAG__AU__EN]

For the Independent Study Studio it is possible to process assignments from any of the authorised specialisations acknowledged by the Chamber of Architects: architecture, urbanism and spatial planning or landscape architecture.

Recommended design studios ATVZ for students in MAG__AU__EN program: Achten-Pavlíček-Nováková, Císler, Efler, Florián-Kurilla-Prokop, Hájek-Hulín, Hlaváček-Čeněk, Kordovský, Krátky-Marques, Lábus-Šrámek, Lampa, Sedlák, Šestáková, Soukenka, Stempel-Beneš, Valouch.

DESIGN STUDIO - COMPREHENSIVE PROJECT – ATRN

[Compulsory; 9. sem.; 0+8; Graded Assessment; MAG__AU__EN]

The studio can be processed only in the following variant: ATRN variant 1 / construction project: The aim of the course unit is to acquaint the student with the problems of project design. Based on their own architectural design developed within the previous studios, students work on the project at the level of documentation for the construction. The project is processed in a spiral, where each problem has to be verified several times, always at a higher level of knowledge of context and details. Occasionally, the underlying assumptions prove unsustainable and need to be reassessed. Construction must always be feasible. Architectural design and technical solutions are continuous vessels. Any change caused by other technical solutions must be made with respect to the architectural concept of the design and the same applies the other way round. In addition to consultations with the head of the studio, expert consultations are carried out by designated employees of technical departments (15122, 15123 and 15124) within the scope of the assignment, which determines the prescribed content of ATRN. This assignment is given to students at the start of their work.

Recommended design studios ATRN for students in MAG__AU__EN program: Císler, Efler, Hájek-Hulín, Hlaváček-Čeněk, Kordovský, Krátky-Marques, Lábus-Šrámek, Lampa, Sedlák, Šestáková, Stempel-Beneš, Valouch.

DESIGN STUDIO – ELECTIVE – ATV

|Elective; 8. sem.; 0+4; Graded Assessment; MAG__AU__EN|

The assignment can be processed into tasks from the currently offered topics of the obligatory studios in the relevant semester. In addition to the topics specified in the compulsory studios, ATV allows a wider choice of tasks such as conceptual studio, art studio, industrial design studio, furniture or exhibition design studio, interior design studio, BIM studio or ATRN follow-up studio, spatial and strategic planning studio or studio landscape architecture. In the framework of ATV it is also possible to solve surveys for urban design studio or as a historical building survey for studio assignments in the PP module. The assignment of ATV can also be determined individually, by agreement with the head of the studio, according to the specific interest of the student.

Recommended design studios ATV for students in MAG__AU__EN program: Achten-Pavlíček-Nováková, Císler, Efler, Florián-Kurilla-Prokop, Hájek-Hulín, Hlaváček-Čeněk, Klokočka, Kolařík, Kordovský, Krátky-Marques, Kuzemský, Lábus-Šrámek, Lampa, Plicka, Rehwaldt, Sedlák, Šestáková, Šindlerová, Sitta, Soukenka, Stempel-Beneš, Valouch.

DESIGN STUDIO – DIPLOMA SEMINAR – DS

|Elective; 9. sem.; 0+2; Graded Assessment; MAG__AU__EN|

The diploma seminar represents the initial step leading to the diploma project, which is elaborated in the following semester. The purpose of the diploma seminar is to analyse the wider scope of the topic on which the award of the diploma thesis will be based. By working on the diploma seminar the student will be able to gain insight into professional issues connected with his or her future diploma project in the form of a research project, within which the diploma thesis will be developed. The diploma seminar precedes the diploma project and can be processed in the following variants:

- Analysis of the territory of the future diploma project - in which case the student should not be acquainted with the specific program of the diploma project.
- Search for the program and typology of the future diploma project - in which case the student should not know the specific place of the diploma project.
- Optional other variants are possible in agreement with the studio tutor and the dean approval.

Recommended design studios DS for students in MAG__AU__EN program: Achten-Pavlíček-Nováková, Císler, Efler, Florián-Kurilla-Prokop, Hájek-Hulín, Hlaváček-Čeněk, Klokočka, Kolařík, Kordovský, Krátky-Marques, Kuzemský, Lábus-Šrámek, Lampa, Plicka, Sedlák, Šestáková, Šindlerová, Soukenka, Stempel-Beneš, Valouch.

DESIGN STUDIO – DIPLOMA PROJECT – DP1

[Compulsory; 10. sem.; 0+20; Assessment; MAG__AU__EN]

The diploma project is the final work which shows the ability of the student to cope independently and comprehensively with an assignment, from its initial conception, through its design and its presentation. The assignment may be from the domains of architecture, urbanism or landscape architecture. The diploma project examines the theoretical knowledge base of the student, ability to analyse complex problems, to produce high quality design solutions, and demonstrate the ability to present them comprehensively. The result of the diploma project is presented in a recommended A3 portfolio, which contains drawings, diagrams and a theoretical text written by the student. Often the assignment specifies that the diploma project should be supported by a 3D model. Exhibition posters are printed for the purpose of exhibiting the diploma project in accordance with the rules laid down by the dean. It is also possible to receive a theoretical assignment as a diploma project. In this case, it is necessary to follow scientific work standards in terms of the content, sources, method and form.

Recommended design studios DP1 for students in MAG__AU__EN program: Achten-Pavlíček-Nováková, Císler, Efler, Florián-Kurilla-Prokop, Hájek-Hulín, Hlaváček-Čeněk, Klokočka, Kolařík, Kordovský, Krátky-Marques, Kuzemský, Lábus-Šrámek, Lampa, Plicka, Sedlák, Šestáková, Šindlerová, Soukenka, Stempel-Beneš, Valouch.

Detailed information about the course and the required outcomes are provided in Dean's Directive SZZ and in other documents published on the faculty's website in the given semester.

2. Study program MAG__D__EN

Students apply in vertical studios based on their choice, following agreement with the head of the studio. The Design studios teach students how to combine the aesthetic aspect of their work with the functional, structural and technological features of the product. The study is focused on the creation of industrially manufactured products. In accordance with the professional focus of the heads of studios, the studios' focus is on product design, transport design or interior design.

IMPORTANT

The following Design Studio is intended ONLY for students of the Design program - field of study: Design.

LIST OF STUDIOS

STUDIO Fišer (CZ, EN).....	U.15150
STUDIO Jaroš (CZ, EN).....	U.15150
STUDIO Karel (CZ, EN).....	U.15150
STUDIO Streit (CZ, EN).....	U.15150
STUDIO Tvarůžek (CZ, EN).....	U.15150
STUDIO Šulc (CZ).....	U.15150

DEFINITION OF STUDIO TRAINING

A subject taught in the form of atelier teaching offers students the chance to further develop their own creative skills by applying them to another specific thematic assignment from the studio manager in the form of a design of a more complex product, subject or spatial unit. The design must already include a synthesis of functional artistic and technical components that will give the final design a value for design work. The subject is elaborated for the whole semester, which results in the work of the studio semester project, which is publicly presented at the end of the semester within the Faculty of Architecture. Five studios with various approaches to design are offered: industrial design, product design, product and furniture, interior design and, experimental design (new media & interaction). All stages of design projects are dealt with: research, definition of design problem, ideation through sketches and models, realisation of final prototype, presentation. Within a studio or "atelier," students of different years can collaborate.

DESIGN STUDIO IV – AD4

[Compulsory; 7. sem.; 0+12; Graded Assessment; MAG__D__EN]

The course Design Studio IV in the form of studio teaching offers students the opportunity to further develop their own creative skills by applying them to other specific thematic assignments from the leading studio in the form of designing a more complex product, object or spatial formation. The design must already include a synthesis of functional visual and technical components that give the resulting design the value of design. Students work on this topic throughout the semester, resulting in their work as a studio semester project, which at the end of the semester is publicly presented within the Faculty of Architecture and is graded by graded assessment

DESIGN STUDIO V – AD5

[Compulsory; 8. sem.; 0+12; Graded Assessment; MAG__D__EN]

The course Design Studio IV in the form of studio teaching offers students the opportunity to further develop their own creative skills by applying them to other specific thematic assignments from the leading studio in the form of

designing a more complex product, object or spatial formation. The design must already include a synthesis of functional visual and technical components that give the resulting design the value of design. Students work on this topic throughout the semester, resulting in their work as a studio semester project, which at the end of the semester is publicly presented within the Faculty of Architecture and is graded by graded assessment.

DESIGN STUDIO VI – AD6

[Compulsory; 9. sem.; 0+12; Graded Assessment; MAG__D__EN]

The course Design Studio VI in the form of studio teaching follows the Design Studio IV and Design Studio V, with the same form of instruction, i.e. a studio semestral project, and develops the ability of students to create independently on a topic given by the head of the studio. Compared to the previous studios, the Design Studio VI is specific because of its theme.

DESIGN STUDIO - REQUISITE OPTIONAL – ATVD

[Elective; 8. sem.; 0+4; Graded Assessment; MAG__D__EN]

The assignment can be processed for tasks from any currently offered topics compulsory in the relevant semester. The assignment can also be set individually, by agreement with the head of the studio, according to the specific interest of the student.

DESIGN STUDIO – DIPLOMA SEMINAR D– DSD

[Compulsory; 9. sem.; 0+2; Graded Assessment; MAG__D__EN]

The diploma seminar represents the initial step before the beginning of the diploma project, which follows in the next semester of study. The purpose of the diploma seminar is to analyse the wider scope of the topic on which the awarding of the diploma project will be based. In this way, the student will be able to gain insight into the professional issues in the form of his own research, within which the diploma thesis will be developed.

DESIGN STUDIO – DIPLOMA PROJECT D – DPD

[Compulsory; 10. sem.; 0+20; Assessment; MAG__D__EN]

Learning outcomes of the course unit. The course ends with Master's degree programme Design in the form of an independent diploma project, in which the student must demonstrate complex design skills including a separate approach to creation, searching for relevant materials and literature, ability to analyse the topic of the diploma thesis with its own proposal, including its defence, practical design work subsequently applicable in practice. The subject of the diploma thesis can be the design of industrial and consumer products, design of furniture for interiors or furniture for outdoor public spaces, design of construction products or elements of small architecture,

design of transport means or machines and equipment, design of interior space, exhibition or scene. At the entire semester the diploma project is presented and defended by the student before a professional commission. The result is a complex design combining the requirements for the functional, visual and technical characteristics of the designed work, the design in question must be able to be realized in practice.

3. Study program MAG_LA_EN

Students apply in vertical studios based on their choice, following agreement with the head of the studio. The Design studios teach students how to combine the aesthetic aspect of their work with the functional, structural and technological features of the product. The study is focused on the creation of industrially manufactured products. In accordance with the professional focus of the heads of studios, the studios' focus is on product design, transport design or interior design.

LIST OF STUDIOS

STUDIO Fingerová - Grohmannová (CZ, EN).....	U.15120
STUDIO Rehwaldt (CZ, EN).....	U.15120
STUDIO Salzmann (CZ, EN).....	U.15120
STUDIO Sitta (CZ, EN).....	U.15120
STUDIO Trevisan (CZ).....	U.15120
STUDIO visiting professor –XXX (EN).....	D.15140

DEFINITION OF STUDIO TRAINING

A subject taught in the form of atelier teaching offers students the chance to further develop their own creative skills by applying them to another specific thematic assignment from the studio manager in the form of a design of a more complex product, subject or spatial unit. The design must already include a synthesis of functional artistic and technical components that will give the final design a value for design work. The subject is elaborated for the whole semester, which results in the work of the studio semester project, which is publicly presented at the end of the semester within the Faculty of Architecture. Five studios with various approaches to design are offered: industrial design, product design, product and furniture, interior design and, experimental design (new media & interaction). All stages of design projects are dealt with: research, definition of design problem, ideation through sketches and models, realisation of final prototype, presentation. Within a studio or "atelier," students of different years can collaborate.

DESIGN STUDIO IV – URBAN LANDSCAPE PROJECT – AT4

[Compulsory; 7. sem.; 0+8; Graded Assessment; MAG__LA__EN]

A comprehensive landscape and urban plan of a larger territorial unit. The studio will focus mainly on the landscape or public space, control mechanisms for its creation and a long-term perspective. The project will include a problem map expressing potential and limiting factors, topographic analyzes, historical studies and cultural data, demography, hydrology, geology, climate (prevailing winds, shading control, etc.) analysis of existing vegetation and transport.

The project will address the material layout of buildings, small architecture and engineering structures, vegetation and its skeletal species composition, all forms of transport, networks, or phasing. The project will take into account the principles of the so-called green infrastructure and the territorial system of ecological stability.

DESIGN STUDIO V – LANDSCAPE PROJECT – AT5

[Compulsory; 8. sem.; 0+8; Graded Assessment; MAG__LA__EN]

The course Design Studio V in the form of studio teaching offers students the opportunity to further develop their own creative skills by applying them to other specific thematic assignments from the leading studio in the form of designing a more complex product, object or spatial formation. The design must already include a synthesis of functional visual and technical components that give the resulting design the value of design. Students work on this topic throughout the semester, resulting in their work as a studio semester project, which at the end of the semester is publicly presented within the Faculty of Architecture and is graded by graded assessment.

A task with a clear program or conceptual work. Participation in the formulation of the task and the program is assumed. Unlike Design Studio IV. There is an emphasis on detailed task processing. Scale 1: 500 and smaller. The scale of the parts or details must be adequate for the subject shown (1: 200.1: 50.1: 20, etc.)

DESIGN STUDIO VI – LANDSCAPE COMPREHENSIVE PROJECT – AT6

[Compulsory; 9. sem.; 0+8; Graded Assessment; MAG__LA__EN]

The course Design Studio VI in the form of studio teaching follows the Design Studio IV and Design Studio V, with the same form of instruction, i.e. a studio semestral project, and develops the ability of students to create independently on a topic given by the head of the studio. Compared to the previous studios, the Design Studio VI is specific because of its theme.

DESIGN STUDIO - ELECTIVE – ATVL

|Elective; 8. sem.; 0+4; Graded Assessment; MAG__LA__EN|

The assignment can be processed for tasks from any currently offered topics compulsory in the relevant semester. The assignment can also be set individually, by agreement with the head of the studio, according to the specific interest of the student.

DESIGN STUDIO – DIPLOMA SEMINAR – DSL

|Compulsory; 9. sem.; 0+2; Graded Assessment; MAG__LA__EN|

The diploma seminar represents the initial step before the beginning of the diploma project, which follows in the next semester of study. The purpose of the diploma seminar is to analyse the wider scope of the topic on which the awarding of the diploma project will be based. In this way, the student will be able to gain insight into the professional issues in the form of his own research, within which the diploma thesis will be developed.

DESIGN STUDIO – DIPLOMA PROJECT – DPL

|Compulsory; 10. sem.; 0+28; Assessment; MAG__LA__EN|

The diploma project is the final work which shows the ability of the student to cope independently and comprehensively with an assignment, from its concept, through its design until its presentation. The assignment may be from the domains of architecture, urbanism or landscape architecture. The diploma project examines the theoretical knowledge base of the student, his ability to analyse complex problems, to produce high quality design solutions, and prove the ability to present them comprehensively. The result of the diploma project is presented in a recommended A3 portfolio, which contains drawings, diagrams and a theoretical text written by the student. Often the assignment specifies that the diploma project should be supported by a 3D model. Exhibition posters are printed for the purpose of exhibiting the diploma project in accordance with the rules laid down by the dean. It is also possible to receive a theoretical assignment as a diploma project. In this case, it is necessary to follow scientific work standards in terms of the content, sources, method and form.

Detailed information about the course and the required outcomes are provided in Dean's Directive SZZ and in other documents published on the faculty's website in the given semester...

B.

Courses

1. List of courses

Study programs MAG_AU_EN , MAG_D_EN and MAG_LA_EN

Art Practice VI.....	D.15111
Building Technology and Management II.....	D.15124
Building Theory V.....	D.15118
Computer Aided Design III, IV.....	D.15116
Computer Aided Design V – GIS.....	D.15121
Computer Graphics I.....	D.15116
Computer Graphics for Design.....	D.15116
Contemporary Architecture.....	D.15113
Cultural Landscape I.....	D.15114
Design Computing I - BIM.....	D.15113
Design Computing II - Architecture.....	D.15113
Design Computing III - Geometry.....	D.15113
Design Process Methodology.....	D.15150
Ecology II.....	D.15121
Ecology III – Social Ecology.....	D.15121
Economics.....	D.15124
Economics and Management I, II.....	D.15124
Economy of Built Environment.....	D.15121
History of Architecture I – IV.....	D.15113
History of Art III.....	D.15113
Interior II – History of Interior.....	D.15115
Interior III – History of Theatre.....	D.15115
Landscape Architecture I - Introduction.....	D.15120
Landscape Architecture III – Technology.....	D.15120
Landscape Architecture IV.....	D.15120
Landscape Architecture Theory I.....	D.15113
Landscape Construction and Management.....	D.15124

Landscape Planning I	D.15121
Law	D.15122
Load-Bearing Structures V	D.15122
Material and Technology	D.15150
Modern Architecture	D.15113
Monument Preservation Theory and Practice	D.15114
Multimedia Design / Design and Technology	D.15150
Planning I – Urban Planning	D.15121
Planning II – Spatial and Strategic Planning	D.15121
Product Ecology	D.15113
Smart Urbanism	D.15121
Teachings of Design III	D.15113
Technical Infrastructure II – Urban Utilities	D.15124
Theory of Architecture and Esthetics	D.15113
Theory of Design	D.15113
Urbanism II – History	D.15119
Urbanism III – Theory	D.15119
Urbanism IV – Design	D.15119

2. Specification of courses

ART PRACTICE VI / 15111

|Elective; 7. sem.; 0+2; Graded Assessment; MAG_D_EN

|Elective; 7. sem.; 0+2; Graded Assessment; MAG_LA_EN

course teacher: MgA. Tereza Melenová

The aim of the course is to develop students' skills and knowledge in the field of working with new technologies. Students will be able to test video, mapping, lighting and sound design, projections and other technologies in order to create a suitable presentation environment or to create the desired presentation atmosphere. Interactive narrative systems, new possibilities and models. E-culture in network, wired, wi-fi and other environments.

BUILDING TECHNOLOGY AND MANAGEMENT II / 15124

|Compulsory; 7. sem.; 2+1; Assessment+Exam; MAG_AU_EN|

course teacher: Ing. Radka Pernicová, Ph.D.

The aim of the lectures is preparation of the future architect for his role as a project designer and manager starting from the building investment program up to the operational stage. One of the lectures points of view is the impact of architectural and structural design in its building technology and implementation stages. Another perspective shows the opposite process - the impact of a particular building technology and staging upon architectural and structural design. The lecture's content takes the process starting with

investment program, the way different building technology systems are being implemented today, their staging and coordination during architectural and structural detailing, the conception of implementation staging already within architectural preparatory work. Students submit solutions of the site accommodation and organisation based on their individual building projects.

BUILDING THEORY V / 15118

|Compulsory; 7. sem.; 1+1; Graded Assessment; MAG__AU__EN|

|Elective; 9. sem.; 1+1; Graded Assessment; MAG__D__EN|

|Elective; 9. sem.; 1+1; Graded Assessment; MAG__LA__EN|

course teacher: prof. Ing. arch. Michal Kohout, doc. Ing. arch. David Tichý, Ph.D., Ing. arch. Jaromír Hainc, PhD.

The course strives to present TYPE, TYPOLOGY and SYSTEMIC approach to built environment not only as an analytical tool and a basis of many research methods, but also as an integral part of a creative process. It not only optimises the design in practical terms, but also allows for better cultural integration of its results – the legibility and user orientation being among the most prominent outcomes. Varying types up to now remains one of the most effective and safest designing The course strives to present TYPE, TYPOLOGY and SYSTEMIC approach to built environment not only as an analytical tool and a basis of many research methods, but also as an integral part of a creative process. It not only optimises the design in practical terms, but also allows for better cultural integration of its results – the legibility and user orientation being among the most prominent outcomes. Varying types remains, up to now, one of the most effective and safest designing methods: TYPE IS COOL! The course consists of a series of six lectures and six seminars coming in fortnight pairs touching on different themes connected to systematisation of the built environment.

COMPUTER AIDED DESIGN III / 15116

|Elective; 7. sem.; 0+2; Graded Assessment; MAG__AU__EN|

|Elective; 7. sem.; 0+2; Graded Assessment; MAG__LA__EN|

course leader: prof. Dr.-Ing. Henri Achten, Ph.D., Ing.arch. Šimon Prokop

CAD III is a course where you get to know the basics of scripting. The students will learn the basics of algorithmic modeling in the Grasshopper a graphical scripting environment. They will learn to create their own set of digital tools for efficient work and discover the advantages of this modeling approach compared to traditional „manual“ methods. Alongside small recap exercises the basic principles of generative and parametric modeling are illustrated on examples during the classes. Each demonstration is discussed in the context of a design issue, e.g. a skyscraper, urban planning, optimization of structures, facade components and others. Some lessons then focus on digital fabrication problems related to 3D printing, CNC milling or the effective use of laser cutting.

COMPUTER AIDED DESIGN IV / 15116

|Elective; 8. sem.; 0+2; Graded Assessment; MAG__AU__EN|

|Elective; 8. sem.; 0+2; Graded Assessment; MAG__LA__EN|

course leader: prof. Dr.-Ir. Henri Achten, Ph.D., Ing.arch. Šimon Prokop

The CAD IV-Scripting is meant to serve as introductory course for generative/algorithmic/parametric/computational design. Students already advanced in such topics can pursue more complex projects within individual consultations. New students will learn the basics of algorithmic modeling in the Grasshopper a graphical scripting environment. They will learn to create their own set of digital tools for efficient work and discover the advantages of this modeling approach compared to traditional „manual“ methods. Alongside small recap exercises the basic principles of generative and parametric modeling are illustrated on examples during the classes. Each demonstration is discussed in the context of a design issue, e.g. a skyscraper, urban planning, optimization of structures, facade components and others. Some lessons then focus on digital fabrication problems related to 3D printing, CNC milling or the effective use of laser cutting.

COMPUTER AIDED DESIGN V – GIS / 15121

|Elective, 7. sem., 1+1, Graded Assessment; MAG__AU__EN|

|Elective, 9. sem., 1+1, Graded Assessment; MAG__LA__EN|

course teacher: Ing. Daniel Franke, Ph.D.

Planning is vastly dependent on the creation, gathering and evaluation of spatial data and information. The course is focused on introducing students to the information technologies used in the planning process. The main topics are an introduction to the leading Geographic Information System (GIS) solutions, principles of GIS functionality, GIS data and data models and, specifically, the basics of the spatial analyses used for urban planning. During the course, students elaborate the seminar paper targeted to GIS analysis or GIS data processing in relation with a selected urban planning problem. The course is led with an accent on the practical training in working with GIS software in a computer lab. The software used in this course is ESRI ArcGIS Desktop.

COMPUTER GRAPHICS I / 15116

|Elective; 9. sem.; 0+2; Graded Assessment; MAG__AU__EN|

|Elective; 7. sem.; 0+2; Graded Assessment; MAG__D__EN|

|Elective; 9. sem.; 0+2; Graded Assessment; MAG__LA__EN|

course teacher: Ing. arch. Kateřina Nováková, Ph.D.

In the Computer Graphics course students will learn to work with Photoshop, Illustrator, and InDesign. The graphic content of the work will be linked to students' experience of Prague. The final goal of the work is to make

a collaboratively authored book with the students' personal impression of Prague in the form of a comic. Students will learn image processing, typography, editing, and layouts in the various software.

COMPUTER GRAPHICS FOR DESIGN / 15116

|Elective; 8. sem.; 1+1; Graded Assessment; MAG__D__EN|

course teacher: MgA. Martin Odehnal

Goals of the course unit. The aim of the course is to improve the presentation skills of students using the latest technical tools, skills and creative techniques in the fields of interactive art, performance, lighting and sound creation. These skills are developed within the Adobe Graphics Platform software. The subject is realised in cooperation with the Institute of FEL CTU.

CONTEMPORARY ARCHITECTURE / 15113

|Elective; 10. sem.; 2+0; Exam; MAG__AU__EN|

|Elective; 10. sem.; 2+0; Exam; MAG__LA__EN|

course teacher: prof. Ing. arch. Vladimír Šlapeta, DrSc., Hon. FAIA.

Lectures explaining the main currents of architecture development of the post-WW II period of the 20th century in Czechoslovakia and Central Europe with an emphasis on the issues of globalisation, contemporary societies and cities. The lectures are accompanied with excursions in Prague, Brno, Hradec Králové etc. Contents: From CIAM to Stalinism and back. Czech Architecture after WWII German Architecture after WWII. Finnish Architecture. Austrian Architecture. Alvar Aalto. Hans Scharoun. Socialist housing after WWII. Karel Hubáček and the SIAL group. Czech Architecture after 1989. Young generation in the Czech Republic.

CULTURAL LANDSCAPE I / 15114

|Compulsory; 7. sem.; 2+1; Assesment+Exam; MAG__LA__EN|

course teacher: doc. Ing. arch. Milena Hauserová, Csc., Ing. Klára Salzmann, Ph.D.

The aim of the course is to clarify that the cultural characteristics of the landscape, together with the natural integral part of its identity, and to show how human activity in the landscape manifested itself in the past and how traces of these processes are reflected in the current form of the landscape. The concept of teaching is based on acquaintance with the forms of important historical stages of the cultural landscape and with the processes that shaped them. This approach creates the preconditions for understanding the original context to which the phenomena whose residues are part of today's landscape image belonged.

Students will be guided to be able to identify the cultural values of the landscape and to study the conditions that condition the relative stability or transience of phenomena in the landscape and try to understand them. It is assumed that they will apply this knowledge to the design of landscaping. The course also introduces the student to the specifics of a multidisciplinary approach to the identification of cultural values of the landscape and to cooperation with relevant experts in related fields.

Excursions will be an integral part of teaching. Depending on the nature of the topic studied, experts from other related disciplines (nature protection, forestry and water management, archeology, botany, geology, etc.) will be involved in field teaching.

DESIGN COMPUTING I – BIM / 15123

[Elective; 7. sem.; 1+1; Graded Assessment; MAG__AU__EN]

course teacher: Ing. Aleš Marek, Ph.D.

BIM Building Information Modelling / Information Management Process. Basic information about BIM project planning; building information model of a building, systematically correct information flow in individual phases of construction and ways of sharing the information model (shared data environment CDE), construction participants and lifecycle of the building, new roles and processes in BIM implementation - risk benefits, designing and obstacles related, terminology - definition of BIM and its use in terms of new requirements for buildings (sustainable development and buildings with zero energy intensity). Also the use of data, databases, reports, data standards and, BIM from the static point of view, BIM from the point of view of HVAC, collision detection, bill of quantities, construction cost management, expert analyses, optimisation, legal aspects - copyright, intellectual property, contractual matters - BIM protocol, BIM Execution Plan, the role of the state in the implementation of the BIM method - digitisation of the process for building permits, public procurement, the obligation and voluntary use of BIM, technical standards and standards, European and worldwide context.

DESIGN COMPUTING II – ARCHITECTURE / 15116

[Elective; 8. sem.; 1+1; Graded Assessment; MAG__AU__EN]

course teacher: prof. Dr.-Ir. Henri Achten, Ph.D.

In this course, contemporary architecture is studied through the lens of computational methods. It shows how, in the past 30 years, the relationship between architecture, theory, materials, and computation has been transformed. Principles of parametric design, performative design, and generative design are presented and discussed in-depth through cases studies of key buildings and architects. Special attention is devoted to interactive architecture. A number of contemporary key issues in architectural

theory are brought up in relation to computational approaches. Practical application in this course is tested through Arduino prototyping. Arduino enables the creation of interactive structures using sensors, controllers, and the Processing programming language. By creating a number of interactive applications, students will learn the basic technological principles of interactive architecture. Keywords - contemporary design methodology, advanced parametric design, rapid prototyping, AI, robotics, automation, simulation, analysis, optimization, CAD / CAM, data mining, advanced data processing.

DESIGN COMPUTING III – GEOMETRY / 15122

|Elective; 9. sem.; 1+1; Graded Assessment; MAG__AU__EN|

course teacher: RNDr. Jiří Šrubař, Ph.D., Ing. arch. Lukáš Kurilla, Ph.D.

Architectural modelling can no longer be done without computational geometry, which simplifies 3D work and speeds up design procedures. Whether traditional "handmade" design or sophisticated generational design, they rely on the capabilities that contemporary CAAD modelling software brings. Understanding the geometric principles and procedures in this environment gives architects the freedom to create. In addition, a well-educated architect gains the opportunity to streamline his or her work and eventually reuse existing problems through a parametric approach to modelling. In this way, multiple design options can be tested. Thanks to the generative model, various types of optimisation can be applied within the design - it can be anything from the level of sunshine of all residential spaces, to the sag in the structure to any area and volume ratios. Thanks to multi-criteria optimisation, solutions can be found which, moreover, fulfil several such criteria at the same time. In this course, practical applications are tested using Grasshopper (which works with Rhinoceros modeling software) and Dynamo (based on Revit software). Keywords - advanced geometry in architecture, mathematically described geometric objects, use of scripting.

DESIGN PROCESS METHODOLOGY / 15150

|Compulsory; 8. sem.; 2+1, Exam; MAG__D__EN|

course teacher: Jitka Aslan, MgA.

The course offers theoretical and practical insight into the design process methodology. Students will be acquainted with five basic stages of the design process and its methods and tools that are used in each phase. Special emphasis will be placed on methods of defining, ideating, prototyping, and testing. In the practical part, students will be encouraged to use some of these methods themselves while working on a studio assignment or any other project of their choice. The skills acquired in the course can be used especially in further work in studios and professional practice.

ECOLOGY II / 15121

|Compulsory; 8. sem.; 2+0; Graded Assessment; MAG__AU__EN|

|Elective; 8. sem.; 2+0, Graded Assessment; MAG__D__EN|

|Compulsory; 8. sem.; 2+0, Graded Assessment; MAG__LA__EN|

course teacher: Ing. arch. Petr Klápště, Ph.D.

Ecological problems become limiting factors in today's world. Concepts such as ecology, environment, natural resources, ecological crisis and, the environmental pillar of sustainable development should become specific and graspable to the graduate. The course is divided into blocks: Fundamentals of General Ecology, Natural Resources – Characteristics, Use, Damage, Protection, Basics of Landscape Ecology and Nature Conservation, Use of Environmental Knowledge in Designing Buildings and Towns (Building Biology, Ecosystem Approach) to the environment.

ECOLOGY III – SOCIAL ECOLOGY / 15121

|Elective; 7. sem.; 2+0, Graded Assessment; MAG__AU__EN|

|Elective; 9. sem.; 2+0, Graded Assessment; MAG__D__EN|

|Elective; 7. sem.; 2+0, Graded Assessment; MAG__LA__EN|

course teacher: Ing. arch. Petr Klápště, Ph.D.

Social Ecology: The subject deals with the relationship of man and the environment in landscape and settlements. It acquaints students with selected methods of socio-ecological research and the participation of citizens in the formation of the rural environment, the city and its socio-spatial structure. The theoretical part of the subject is based on concrete practical examples, which are processed by the students, who present them during the semester.

ECONOMICS / 15124

|Compulsory; 8. sem.; 2+1; Assessment+Exam; MAG__AU__EN|

course teacher: Ing. Václav Tatýrek, Ph.D.

Decision-making in building projects consists of both economic and non-economic criteria for design and its implementation, e.g. income - expenditures or cost - benefit analysis. Both general mathematical formulas, algorithms and the lecturers expertise and skills will develop the students knowledge of how to identify optimal strategies and to predict the outcome of strategic interactions within the project life cycle. Seminars are devoted to practical problems in the form of a case study „Create your own business in CZ by buying and refurbishing existing premises“ (prefeasibility study) with emphasis on the construction work cost and the architects design team costing and pricing. Thus, the following crucial information is inevitable: total initial project costs, operating/manufacturing project costs

in use, project life-time schedule, financing, externalities (EIA,IPPC) and CZ business environment assessment (PEST analysis) and construction work estimating (the bill of quantities, elemental cost analysis). The aim of the course: to furnish students/participants with adequate tools and techniques for competent assessment and strategic decision-making about capital investment projects under competitive and co-operative post-modern conditions.

ECONOMICS AND MANAGEMENT I / 15124

[Compulsory; 7. sem.; 1+1; Assessment+Exam; MAG_D_EN]

course teacher: Ing. Veronika Sojková, Ph.D.

Orientation of a graduate of the faculty in a market economy environment, basic concepts in the field of economics. Business activities in the field of design and architecture, establishment of company, characteristics of the subject of business, definition of the profile of graduate design, market analysis, marketing, financing and profitability of the business project, calculation, pricing, business strategy creation, business project, feasibility study. Keywords: Establishment of a business – trade, marketing, financing planning, business project - feasibility study. Objective of the course: To prepare a feasibility study for the realisation of a business project.

ECONOMICS AND MANAGEMENT II / 15124

[Compulsory; 8. sem.; 2+0; Exam; MAG_D_EN]

course teacher: Ing. Veronika Sojková, Ph.D.

The course presents economics as a way of thinking and solving problems not only from today's point of view, but also from interesting examples of the masonry of economic thinking. Thematically, it is focused on the derivation of supply and demand curves as well as an, explanation of the principles of market equilibrium and comparative advantages. A special part is devoted to the theory of public choice and decision-making on public goods. Syllabus: 1. Introduction to economics, basic concepts. 2. Limits in economics. 3. Demand and supply, their derivation. 4. Market balance, perfect and imperfect markets. 5. Principle of comparative advantages. 6. The history of economic thinking. 7. Public goods. Externalities. 8. Theory of public choice. 9. The prisoner's dilemma, economic freedom. 10. Aggregate offer. 11. Gross Domestic Product. 12. Truth, unemployment. 13. Inflation, central bank roles, the Phillips curve.

ECONOMY OF BUILT ENVIRONMENT / 15121

[Compulsory; 8. sem.; 2+1; Assessment+Exam; MAG_LA_EN]

course leader: doc. Ing. Dana Měšťanová, CSc.

course teacher: prof. Ing. arch. Karel Maier, CSc.

Selected questions from macroeconomics, economic efficiency - project economy, principles of measuring economy, quantities entering into the calculation of efficiency, capitalization, the concept of costs - their breakdown, total construction costs, prices, pricing of construction and design work, valuation of engineering activities. Investments, studies of investment opportunities, return, profitability, technical and economic feasibility. Economy in the territory. The influence of the market and regulation on the spatial arrangement of cities and regions. Territorial development. Assessment of commercial development investment in the territory. Public investment.

HISTORY OF ARCHITECTURE I/II / 15113

|Elective; 7. sem.; 2+0; Exam; MAG__AU__EN|

course teacher: prof. PhDr. Pavel Kalina, Ph.D.

The aim of the course is to trace the most important features of Gothic cathedral architecture including its social context and building technology. Students should acquire the ability to interpret Gothic architecture according to its geometrical design and social function. Contents: The origins of Christian architecture. The Romanesque basilica. Gothic cathedrals in Western Europe. The beginnings of Gothic architecture in Bohemia. The Gothic cathedral of St Vitus: Matthew of Arras and Peter Parler. Architecture in use: liturgy and veneration of relics in the cathedral. Architecture and visual arts: sculpture and painting in the cathedral. Town and the Cathedral. Emmaus monastery and the New Town of Prague.

HISTORY OF ARCHITECTURE III/IV / 15113

|Compulsory; 8. sem.; 2+0; Exam; MAG__AU__EN|

course teacher: prof. PhDr. Pavel Kalina, Ph.D.

The aim of the course is to analyse the basic features of Baroque religious architecture, its formal language, its social background and its technology. Students should acquire the capacity to read Baroque architecture according to the theoretical principles of the age of its origin. Contents: Renaissance architecture - introduction. Art and architecture around 1600. The triumph of the Church - art and architecture after the battle of White Mountain. Tendencies in Prague art and architecture in the second half of the 17th century. High Baroque church as a Gesamtkunstwerk. St Nicholas Church and the churches of the Lesser Quarter. The decay of the Baroque world. St Michael's mystery - problems of monument care and the use of monuments.

HISTORY OF ART III / 15113

|Elective; 8. sem.; 0+2; Graded Assessment; MAG__D__EN

|Elective; 8. sem.; 0+2; Graded Assessment; MAG__LA__EN||

course teacher: doc. PhDr. Jana Tichá, Ph.D.

The course is divided into two blocks: 1.– 6.: The first block is aimed at the significance of cultural institutions for the origins of fine art and architecture and for the reproduction of cultural capital. It also deals with exhibition strategies of museums and galleries (particularly in the context of architecture). 7. – 13.: Artistic expressions, that often have stepped out of the institutionalised art world from the 1960s up to present, will be presented within the framework of the second block. Attention will be paid primarily to Euro-American and Czechoslovak examples of site-specific, land-art, sculpture and spatial creation.

INTERIOR II – HISTORY OF INTERIOR / 15115

[Elective; 8. sem.; 2+0; Exam; MAG__AU__EN]

[Compulsory; 8. sem.; 2+0; Exam; MAG__D__EN]

course leader: prof. akad. arch. Vladimír Soukenka

course teacher: akad. arch. Marek Teska

The history of interior and furniture as a constant transformation of the relationship between aesthetic feeling and technological innovation of material processing and development. Relation between the technological and design possibilities of shaping to the resulting aesthetic effect. Time stamps of craft and expression. Typical attributes and milestones of individual epochs and their relation to material culture. Presentation of exhibition stands. Design and construction of current assembly systems.

INTERIOR III – HISTORY OF THEATRE / 15115

[Elective; 9. sem.; 2+0; Exam; MAG__AU__EN]

[Compulsory; 7. sem.; 2+0; Exam; MAG__D__EN]

course leader: prof. akad. arch. Vladimír Soukenka

course teacher: Ing. arch. Veronika Šindelář Kastlová, Ph.D.

This subject focuses on the development of the architecture of theatre buildings and production areas. Attention is focused on the logic of the relation between the building typology and the development of the theatre, as a medium. Media that express the cultural and social tendencies of their time. These aspects then influence the formation of the scenic space and its technical equipment. Seminar work, which analyses historical theatre building and contemporary theatre building and, compares the different needs of the production space. Part of the course includes excursions to Czech theatre buildings and a visit to Laterna magika.

LANDSCAPE ARCHITECTURE I – INTRODUCTION / 15120

[Compulsory; 7. sem.; 2+1; Exam; MAG__AU__EN]

course leader: doc. PhDr. Jana Tichá, Ph.D.

course teacher: Ing. Radmila Fingerová

This course is about obtaining knowledge through sharing and developing ideas regarding the history of garden art and landscape architecture as well as contemporary trends of landscape architecture worldwide. Students write essays, do site research in Prague (historical gardens, parks, public spaces) and make a PowerPoint presentation concerning landscape architecture in their country.

LANDSCAPE ARCHITECTURE III – TECHNOLOGY / 15120

[Elective Requisite; 8. sem.; 2+0, Graded Assessment; MAG__AU__EN]

[Compulsory; 8. sem.; 2+0, Graded Assessment; MAG__LA__EN]

course teacher:

Introduction to landform and landform representation. Perception and scale of the landscape experience. Landform modelling. Landform manipulation. Surface water management. Surface water management and soil erosion sedimentation control. Landscape structures; pavement surfaces, design, detailing and performance. Steps, ramps and railings; design and detailing. Walls and slope structures; engineering, design and detailing. Site structures for occupancy; sitting, walking, riding, gatherings. Planting installation methods and detailing. Site illumination. Technical specification.

LANDSCAPE ARCHITECTURE IV / 15120

[Compulsory; 7. sem.; 2+0, Exam; MAG__LA__EN]

course leader: doc. Ing. arch. Ivan Plicka, CSc.

Public Space – Typology

The purpose of the course is to acquaint students with the principles of creating public spaces, its main typological forms and their specifics. Emphasis will be placed on potential users of these spaces, ergonomics, non-discriminatory accessibility, orientation, microclimate, lighting, greenery, furniture and its location, artwork, etc. In addition to traditional types of spaces such as squares, streets, gaps, embankments, passages, markets, parks and gardens will also be discussed thematically focused spaces such as cemeteries, monuments, representational spaces, sports grounds, amphitheatres, etc.

It will include a presentation of current trends and examples from around the world. The course will end with a detailed analysis and critique of the concept of form and function of the selected project and material treatise.

LANDSCAPE ARCHITECTURE THEORY I / 15113

[Compulsory; 9. sem.; 2+0; Exam; MAG__LA__EN]

course teacher: doc. PhDr. Jana Tichá, Ph.D.

The course gives the students an overview of theoretical reflection of designing landscapes and gardens in historical perspective. The focus is on the emancipation of landscape architecture theory in the second half of the 20th century and contemporary positions. Landscape architecture is discussed within a wider framework of cultural practice, with excursions into social sciences, philosophy, art and ecology. Key themes: landscape as language and representation; landscape and gender; landscape as a cultural product; landscape as a public space; landscape and urbanism; landscape, ecology and infrastructure. The course combines lectures with more interactive approach, the students are required in the final sessions to prepare their own presentation and submit an essay on chosen theme.

LANDSCAPE CONSTRUCTION AND MANAGEMENT / 15124

| Compulsory; 9. sem.; 2+1; Assesment+Exam; MAG_LA_EN|

course teacher: Ing. Veronika Sojková, Ph.D.

Landscape architecture management is understood as a comprehensive sum of all necessary activities for planning, establishment and care of greenery in public space, aimed at achieving its maximum possible quality with optimal use of available resources. For teaching purposes, management will be structurally divided as follows: area management, resource management, conflict management and communication management.

As part of area management, planning tools will be taught, ie territorial analytical documents (general greenery in the field); technical and operational tools, especially green passport, dendrological survey, maintenance project, cultivation measures project; conceptual tools, especially development programs (territorial studies, green infrastructure studies, etc.)

As part of resource management, models of financing landscaping, methods of valuing tree species, methods of constructing price calculations, calculations and land use reports will be discussed.

Conflict management and communication will address the diverse and often conflicting requirements of target groups of professionals, politicians and citizens. Various techniques of solution and reaching a consensus of individual interest groups will be presented here. The whole scope of the course will be taught in lectures and for the whole range of taught issues will be assigned a semester work, the elaboration and submission of which will be an integral part of the conditions for successful completion of the course..

LANDSCAPE PLANNING I / 15120

| Compulsory; 7. sem.; 2+0; Graded Assessment; MAG__LA__EN|

course teacher: prof. Ing. Petr Sklenička, CSc.

Theoretical background and applied principles of landscape planning. Fundamentals of applied and landscape ecology, hydrology, soil protection and other disciplines that directly affect the work of a landscape architect. General principles of reclamation and forest management planning and their overlap into spatial planning. The course supports synthetic thinking and the ability to respond creatively to the field dealing with the landscape and its elements in order to integrate planning activities in the landscape.

LAW / 15122

|Compulsory; 8. sem.; 2+0; Exam; MAG__AU__EN|

|Compulsory; 8. sem.; 2+0; Exam; MAG__D__EN|

|Compulsory; 8. sem.; 2+0; Exam; MAG__LA__EN|

course teacher: prof. Dr. Ing. Martin Pospíšil, Ph.D.

Czech legal system in the context of European and international law: Constitutional system (Legislative Power - Executive Power- Judicial Power; Legal system of acts, decrees, governmental regulations, standards; Regions and Municipalities; Public Law – Private Law; Substantive Law – Procedural Law) / Building Act and broader legal context / Space and urban planning / Building code / Administrative procedures according to the Building Act; general and special building authorities / External state authorities in administrative procedures according to the Building Act / General technical requirements on structures / Technical standards / Competencies and duties of professionals according to the Building Act (activities of authorized persons, other persons with regulated activities and activities of authorized inspectors) / Heritage preservation / Charter of Architectural Education / Academic and professional recognition of education / Bologna process and European higher education area / Authorisation Act / Competencies and duties of chambers / Competencies and duties of authorised persons / Legal conditions of independent performance of the architectural profession / Contract between architect and client (as a private or a business person), design costs / Responsibility for a design of a building or a structure, author's supervision of the construction.

LOAD-BEARING STRUCTURES V / 15122

|Compulsory; 7. sem.; 2+1; Graded Assessment; MAG__AU__EN|

course teacher: prof. Dr. Ing. Milan Holický, DrSc.

Lectures explain basic principles of structural analysis and design of structural elements made of concrete, steel, masonry, and the design of foundations of common building structures. Presented design methods

are primarily based on general principles included in international codes of practice including Eurocodes and on available software products. Explained general procedures are supplemented by practical examples using realistic data of loadings and material properties.

MATERIALS AND TECHNOLOGY V / 15150

|Compulsory; 7. sem.; 2+1; Assessment+Exam; MAG__D__EN|

course teacher: prof. Dr. Ing. Libor Beneš, Ph.D.

Goals of the course unit The subject acquaints students with the basic groups of technical materials, their properties, processing and utilisation by architects in the field of transport, buildings and other branches of industrial design. The subject will be taught by specialists from the Faculty of Mathematics and Informatics of CTU and invited practitioners. Within the framework of the exercises, students will be acquainted with the manner of choosing materials and evaluating their properties. Syllabus: 1. Distribution of metallic materials, their properties. 2. Processing of metals and development trends. 3. The use of metals in the building industry. 4. The use of metallic materials in transport and other industrial design industries. 5. Distribution of polymer materials, their properties. 6. Processing of polymers and development trends. 7. The use of polymeric materials in the building industry. 8. The use of polymeric materials in transport and other industrial design industries. 9. Distribution of composite materials, their properties. 10. Processing of composite materials and development trends. 11. Use of composite materials in the construction industry. 12. Use of composite materials in transport and other industrial design industries. 13. Nanomaterials and technical ceramics.

MODERN ARCHITECTURE / 15113

|Elective; 7. sem.; 2+0; Exam; MAG__AU__EN|

|Elective; 9. sem.; 2+0; Exam; MAG__LA__EN|

course teacher: prof. Ing. arch. Vladimír Šlapeta, DrSc., Hon. FAIA.

This course explores the tradition of modern architecture of 20th century in the Czech Republic and Central Europe with international interactions and influences. The lectures are accompanied with excursions in Prague, Brno, Hradec Králové etc. Contents: Czech Jugendstil and early modernism. Czech Cubism. The National Style and the Dutch influence. Josef Gočár. Kamil Roškot. Adolf Loos. Josip Plečnik. Czech Functionalism. Czechoslovak Werkbund and the Baba housing exhibition. Interactions with Bauhaus and Le Corbusier. Prague modern urban culture. Brno - a city of Modern Architecture. Zlín - the Baťa industrial city.

MONUMENT PRESERVATION THEORY AND PRACTICE / 15114

[Compulsory; 8. sem.; 2+1; Assessment + Exam; MAG__AU__EN]

course teacher: doc. PhDr. Josef Štulc

This course provides an introduction to the philosophy, ethic, methods and practices of the conservation of monuments, historic buildings, urban ensembles and landscapes in their historic development and current state. It gives basic information on historical and archaeological survey and documentation of monuments, their listing and legal protection in the Czech Republic. The current state of conservation practice, inclusive of the technological aspects will be demonstrated with selected illustrative cases. Attention will also be paid to the international context and collaboration in these fields.

MULTIMEDIA DESIGN / DESIGN AND TECHNOLOGY / 15150

[Elective, 7. sem., 2+1, Exam; MAG__D__EN]

course teacher: David Sivý, MgA.

The designer finds himself in the role of a person who determines how digital technologies are and will be used and how readable their use will be. Technology should be seen as a positive tool for discovery and not the other way around. The role of the designer is not always taken clearly enough to properly understand the consequences of his / her management and creation. The course aims to prepare students for the needs and requirements of contemporary design.

PLANNING I – URBAN PLANNING / 15121

[Compulsory, 7. sem., 2+1, Assessment+Exam; MAG__AU__EN]

[Compulsory, 7. sem., 2+1, Assessment+Exam; MAG__LA__EN]

course leader: doc. Ing. arch. Jakub Vorel, Ph.D.

course teacher: prof. Ing. arch. Karel Maier, CSc., Ing. arch. Petr Klápště, Ph.D.

Close links between architecture and urban planning are typical for Central and Southern Europe. While, for example, in the UK, the USA and Canada planning is a fully independent profession, most planners in the Czech Republic have an architectural background. This may enrich both architecture and planning as multi-disciplinary professions. Man and the environment. Planning, the environment and designing. Planning before planners. Medieval European towns. Planning in the Industrial Era. Comprehensive planning. Great European projects of the 20th century. Challenges for planning in the modern and post-modern eras. Analyses for plan-making. Land-use planning and its contemporary issues. European spatial planning. A case of planning and development - Prague I. A case of planning and development - Prague II. Sustainability and planning. Role of the planner. Planning ethics. Presentation of seminar papers (essays).

PLANNING II – SPATIAL AND STRATEGIC PLANNING / 15121

|Elective Requisite, 8. sem., 1+1, Graded Assessment; MAG__AU__EN|

|Elective Requisite, 8. sem., 1+1, Graded Assessment; MAG__LA__EN|

course leader: doc. Ing. arch. Jakub Vorel, Ph.D.

course teacher: prof. Ing. arch. Karel Maier, CSc., Ing. arch. Veronika Šindlerová, Ph.D., Ing. arch. Petr Klápště, Ph.D.

Principles of urban planning as an intentional way of influencing urban change. Overview of the discipline of planning and its role in society. Methodology of plan-making. Opening session. Man and the environment. Planning, the environment and designing. Project will be discussed. Planning methodology I. Urban composition. Mental map. Planning methodology II. Surveys for planning. Land-use. Planning methodology III. Land-use plan, legal limits, plan-making. Deadline: survey drafts. Instruction for Constraints and Potentials Map. Topical lecture - a case of development. Project site analysis. SWOT analysis. Identification of issues for Strategy. Tutoring, discussion of strategies. Mock hearing of strategies. Local planning. Planning and zoning regulations. Final presentation.

PRODUCT ECOLOGY / 15150

|Elective; 8. sem.; 2+0; Exam; MAG__D__EN|

course teacher: doc. Ing. Vladimír Kočí, Ph.D., MBA

Goals of the course unit: The aim of the course is to provide students with a holistic overview of the interaction between human activities and the environment. It turns out that evaluating the acceptability of individual products only based on the environmental impacts of one of their stages, e.g. waste disposal or energy consumption, is inadequate and often misleading. In this course, students will be acquainted with the essence of the main environmental categories of impacts: global warming and climate change, loss of stratospheric ozone, the formation of photooxidants, acidification, eutrophication, ecotoxicity and persistent toxicity, depletion of raw materials, reduction of biodiversity. A method of expressing contributions from different human activities to these categories of environmental impacts will be presented and will show how the future environmental impacts of products can be reduced at the design stage.

SMART URBANISM / 15121

|Elective Requisite; 8. sem.; 2+0; Assessment + Exam; MAG__AU__EN|

course leader: doc. Ing. arch. Jakub Vorel, Ph.D.

course teacher: doc. Ing. arch. Jakub Vorel, Ph.D., doc. prof. Ing. arch. Karel Maier, CSc.

In the course Smart Urbanism we illustrate how technological innovation has affected cities from history to the present, and on that basis we discuss

future challenges and implications for urban planning and management. We focus in particular on the relationship of technological innovation to urban metabolism, urban morphology, land use, urban ecosystems, demography, mobility and urban society, and the way cities are understood and managed through data and information technology.

TEACHINGS OF DESIGN III / 15150

|Compulsory; 8. sem.; 2+0; Exam; MAG_D_EN|

course leader: prof. ak. soch. Marian Karel

course teacher: prof. ak. soch. Marian Karel, doc. MgA. Josef Šafařík, Ph.D.

The lectures include an overview of the professor's career in related fields, including a blend of aesthetics and techniques. The course is designed as a series of lectures and workshops that will be presented by guest lecturers with strong professional experience in the field of user research, product design and UX design. In order to achieve high usability of the products/ services/interactions they conceive, designers need to have a deep understanding of the needs and desires of the end-users the products are for. This class aims at giving students a foundation in user psychology and practical tools for user research. The lectures will be completed by seminar work. Students will get a design brief and will have to use research as a base for their design proposals. The brief can also be solved in relation to the semestral briefs at the Department of Computer Graphics and Interaction, thanks to the cross-discipline collaboration of the FA and FEL CTU. The outcome of the project should be a research report, with a pdf presentation and prototype or model in suitable material/media.

TECHNICAL INFRASTRUCTURE II – URBAN UTILITIES / 15124

|Compulsory; 7. sem.; 2+1; Assessment+Exam; MAG_AU_EN|

|Compulsory; 7. sem.; 2+1; Assessment+Exam; MAG_LA_EN|

course teacher: Ing. Zuzana Vyoralová, Ph.D.

Service systems form the technical infrastructure of settlements and urbanised spaces. They supply mass and energy and carry out transport as well as the transmission of information. They also remove waste and ensure its recycling and final disposal. In addition, energy systems are enriched by alternative resources of energy. The principles of sustainable development are discussed.

THEORY OF ARCHITECTURE AND ESTHETICS / 15113

|Elective, 9. sem., 1+1, Graded Assessment; MAG_AU_EN|

|Elective, 9. sem., 1+1, Graded Assessment; MAG_D_EN|

course teacher: Mgr. Jiří Tourek, Ph. D

The aim of the course is to introduce students to the theory of architecture. The key concepts of 20th century and contemporary architecture and their interpretation are emphasised in a wider cultural context. The relationship between architectural discourse and architectural creation is taken into account. The starting point is the theory of modernity, but the course is focused on the theory of architecture of the second half of the 20th century which has been influenced by structuralism, semiotics, phenomenology and poststructuralism. Also the contemporary approaches, reflecting the shift in new technological possibilities in architecture and society, are included. In connection with the architectural themes, students are also acquainted with the key concepts of aesthetics, which are relevant to architectural discourse.

THEORY OF DESIGN / 15113

[Compulsory; 7. sem.; 1+1; Graded Assessment; MAG__D__EN]

course teachers: Mgr. Hubert Guzik, Ph.D., M.A. Klára Ullmannová

The course provides an overview of selected product (and graphic) design concepts and notions from the late 19th century to the present. The course focuses on ontological issues of design, the relationship between form and function, ornament, information visualisation theory and ecological responsibility of design. Students will be introduced to the diverse sociological aspects of the field, both from the point of view of the designer and of the user, including the feminist critique of design or the influence of subcultures on mainstream design. Attention will also be given to theoretical thinking about design as a marketing tool. Students will learn about selected aesthetic problems that are relevant to the theory of design, especially the kitsch phenomenon. Selected lectures will focus on text analysis.

URBANISM II – HISTORY / 15119

[Compulsory; 8. sem.; 2+0; Assessment + Exam; MAG__AU__EN]

[Elective; 8. sem.; 2+0; Assessment + Exam; MAG__LA__EN]

course teacher: PhDr. Ing. arch. Lenka Burgerová, Ph.D.

This obligatory course concentrates on the basis for the understanding of problems of historical experience followed by topics concerning perception, evaluation and use of urban space and, concept and compositional problems in issues concerning various scales of urban areas. The seminar concentrates on the analysis of the morphology of selected urban spaces. Passing this subject is a condition for understanding the basic principles of urban design.

URBANISM III – THEORY / 15119

[Elective; 9. sem.; 1+1; Graded Assessment; MAG__AU__EN]

[Elective; 9. sem.; 1+1; Graded Assessment; MAG__LA__EN]

course teacher: doc. Ing. arch. Irena Fialová

This course familiarizes the student with the most important urban theories of the 20th and 21st century. The goal is to show the emergence and transformation of these theories on the background of social and economic development of the society. Students are guided to critical thinking, to analyze, evaluate, compare and recognize the impact of these theories on the city.

URBANISM IV – DESIGN / 15119

|Compulsory; 8. sem.; 2+1; Assessment+Exam; MAG_AU_EN|

|Compulsory; 8. sem.; 2+1; Assessment+Exam; MAG_LA_EN|

course teacher: prof. Ing. arch. Jan Jehlík

Students will acquire information concerning urban design, morphology, topography and typology of settlement structures, relations between mass, space and activities in settlements, forms and structure of public space, infrastructure influences on an urban fabric and, new tendencies. What are the questions of today that require the search for answers? The next theme is suburbanisation and different types of urbanistic low-rise formations and buildings, including the problem of “urban sprawl”. The last theme is countryside, villages and settlements in open space, historical and regional points of view, the nature of landscape frame within cadastral limits. Changes (transformations) within the countryside during the last century, namely in agriculture technologies, housing, transportation etc. Within the whole subject theoretical background will be combined with practical field studies.

ENGLISH LANGUAGE STUDY PROGRAMS

Academic Year 2024/25

FACULTY OF ARCHITECTURE

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