

STUDY PLAN

Universitatea Tehnică de Construcții București
Facultatea de Inginerie în Limbi Străine

Plan de învățământ
Inginerie civilă/ Civil engineering

Ciclul de studii: Licență
Domeniul de studii: Inginerie civilă și instalații
Forma de învățământ: Învățământ cu frecvență
Cod program: U02.07.ICV.IZ.L16
Semestru: 1

Nr.	Name of the course	Course Code	Type	Electiveness	Hour of activities per week						Credits				Exam form				
					Course	Seminary	Laboratory	Project	Individual study	Total	Exam	Colloquy	Project	Total					
1	Linear algebra and Analytical geometry	U02.07.ICV.IZ.L16.1.DF.OB01	DF	OB	2	2			2	6	5			5	E				
2	Analysis I	U02.07.ICV.IZ.L16.1.DF.OB02	DF	OB	2	2			2	6	5			5	E				
3	Descriptive geometry	U02.07.ICV.IZ.L16.1.DF.OB03	DF	OB	2	2			2	6	5			5	E				
4	Chemistry	U02.07.ICV.IZ.L16.1.DF.OB04	DF	OB	1		1		2	4	4			4	E				
5	Computer science	U02.07.ICV.IZ.L16.1.DF.OB05	DF	OB	1		2		2	5		3		3	C				
6	Surveying	U02.07.ICV.IZ.L16.1.DD.OB06	DD	OB	2		1		2	5	4			4	E				
7	Humanity course I	U02.07.ICV.IZ.L16.1.DC.OB07	DC	OB	1	1				2		1		1	C				
8	Foreign language I	U02.07.ICV.IZ.L16.1.DC.OB08	DC	OB		2				2		1		1	C				
9	Physical education	U02.07.ICV.IZ.L16.1.DC.OB09	DC	OB		1				1									
10	Introduction in Civil Engineering	U02.07.ICV.IZ.L16.1.DD.OB10	DD	OB	2	1				3		2		2	C				
Facultative course																			
11	Romanian language for foreign students I	U02.07.ICV.IZ.L16.1.DC.FC01	DC	FC		2			1	3		2		2	C				
12	Foreign language-supplement I	U02.07.ICV.IZ.L16.1.DC.FC02	DC	FC		2			1	3		2		2	C				
13	Mathematics- supplement I	U02.07.ICV.IZ.L16.1.DF.FC03	DC	FC		3			1	4		3		3	C				
14	Psihologia educatiei	U02.07.ICV.IZ.L16.1.PP.FC04	PP	FC	2	2			1	5	5			5	E				
Total compulsory courses (OB and OP)					28				13	11	4	0	12	40	23	7		30	5E+4C
Total facultative courses (FC)					11				2	9	0	0	4	15	5	7	0	12	1E+3C

Rector: Prof. dr. ing. Radu Văcăreanu

Decan: Șef lucr. dr. ing. Daniela Țăpuși

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Nr.	Name of the course	Course Code	Type	Electiveness	Hour of activities per week						Credits				Exam form		
					Course	Seminary	Laboratory	Project	Individual study	Total	Exam	Colloquy	Project	Total			
1	Differential and with partial derivate equations	U02.07.ICV.IZ.L16.2.DF.OB11	DF	OB	2	2			2	6	5			5	E		
2	Analysis II	U02.07.ICV.IZ.L16.2.DF.OB12	DF	OB	2	2			2	6	5			5	E		
3	Physics I	U02.07.ICV.IZ.L16.2.DF.OB13	DF	OB	2	1	1		2	6		3		3	C		
4	Mechanics I	U02.07.ICV.IZ.L16.2.DD.OB14	DD	OB	2	2			2	6	5			5	E		
5	Civil engineering materials	U02.07.ICV.IZ.L16.2.DD.OB15	DD	OB	2		2		2	6	5			5	E		
6	Engineering graphics	U02.07.ICV.IZ.L16.2.DF.OB16	DF	OB			2		2	4		2		2	C		
7	Humanity course II	U02.07.ICV.IZ.L16.2.DC.OB17	DC	OB	1	1				2		1		1	C		
8	Foreign language II	U02.07.ICV.IZ.L16.2.DC.OB18	DC	OB		2				2		1		1	C		
9	Physical education I	U02.07.ICV.IZ.L16.2.DC.OB19	DC	OB		2				2		1		1	P/F		
10	Surveying practice	U02.07.ICV.IZ.L16.2.DD.OB20	DD	OB	2 weeks x 30 hours / week							2		2	C		
Facultative course																	
11	Romanian language for foreign students II	U02.07.ICV.IZ.L16.2.DC.FC05	DC	FC		2			1	3		2		2	C		
12	Culture and civilization II	U02.07.ICV.IZ.L16.2.DC.FC06	DC	FC	2				1	3		2		2	C		
13	Foreign language-supplement II	U02.07.ICV.IZ.L16.2.DC.FC07	DC	FC		2			1	3		2		2	C		
14	Mathematics- supplement II	U02.07.ICV.IZ.L16.2.DF.FC08	DF	FC		3			1	4		3		3	C		
15	Pedagogie I Fundamentele pedagogiei - Teoria si metodologia curriculum-ului	U02.07.ICV.IZ.L16.2.PP.FC09	PP	FC	2	1		1	1	5	5			5	E		
Total compulsory disciplines (OB and OP)			Total contact hours			28		11	12	5	0	12	40	20	10	30	4E+5C+1P/F
Total discipline facultative (FC)			Total contact hours			13		4	8	0	1	5	18	5	9	14	4C+1E

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Nr.	Name of the course	Course Code	Type	Electiveness	Hour of activities per week						Credits				Exam form							
					Course	Seminary	Laboratory	Project	Individual study	Total	Exam	Colloquy	Project	Total								
1	Physics II	U02.07.ICV.IZ.L16.3.DF.OB21	DF	OB	2	1	1		1	5	5			5	E							
2	Computer aid drawing	U02.07.ICV.IZ.L16.3.DF.OB22	DF	OB	2		2		2	6		5		5	C							
3	Mechanics II	U02.07.ICV.IZ.L16.3.DD.OB23	DD	OB	3	3			2	8	6			6	E							
4	Strength of materials I	U02.07.ICV.IZ.L16.3.DD.OB24	DD	OB	3	1	1		3	8	6			6	E							
5	Engineering geology	U02.07.ICV.IZ.L16.3.DD.OB25	DD	OB	2		1		2	5	5			5	E							
6 (EC I)	Architecture	U02.07.ICV.IZ.L16.3.DD.OP01	DD	OP	2				2	4		2		2	C							
	Urban planning	U02.07.ICV.IZ.L16.3.DD.OP02	DD	OP																		
7	Foreign language III	U02.07.ICV.IZ.L16.3.DC.OB26	DC	OB		2				2		1		1	C							
8	Physical education	U02.07.ICV.IZ.L16.3.DC.OB27	DC	OB		2				2												
Facultative course																						
9	Romanian language for foreign students III	U02.07.ICV.IZ.L16.3.DC.FC10.	DC	FC		2			1	3		2		2	C							
10	Construction history I	U02.07.ICV.IZ.L16.3.DC.FC11	DC	FC	2				1	3		2		2	C							
11	Pedagogie II:	U02.07.ICV.IZ.L16.3.PP.FC12	PP	FC	2	1		1	1	5	5			5	E							
	- Teoria si metodologia instruirii																					
	- Teoria si metodologia evaluarii																					
Total compulsory disciplines (OB and OP)					Total contact hours					28		14	9	5	0	12	40	22	8		30	4E+3C
Total discipline facultative (FC)					Total contact hours					8		4	3	0	1	3	11	5	4		9	2C+1E

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Forma de învățământ: Învățământ cu frecvență

Cod program: U02.07.ICV.IZ.L16

Semestru: 4

					Hour of activities per week						Credits			
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Nr.	Name of the course	Course Code	Type	Electiveness	Course	Seminary	Laboratory	Project	Individual studi	Total	Exam	Colloquy	Project	Total	Exam form
1	Construction engineering II	U02.07.ICV.IZ.L16.8.DS.OB57	DS	OB	2		3		1	6	4			4	E
2	Construction management II	U02.07.ICV.IZ.L16.8.DD.OB58	DS	OB	2		2		1	5	4			4	E
3	Building design III	U02.07.ICV.IZ.L16.8.DS.OB59	DS	OB	2				1	3	3			3	E
4	Building design III - Pr.	U02.07.ICV.IZ.L16.8.DS.OB60	DS	OB				3	2	5			2	2	P
5	Steel structures III	U02.07.ICV.IZ.L16.8.DS.OB61	DS	OB	2				1	3	3			3	E
6	Steel structures III - Pr.	U02.07.ICV.IZ.L16.8.DS.OB62	DS	OB				2	2	4			2	2	P
7	Diploma Project work (design of a reinforced concrete/steel/masonries/ wood etc. structure)	U02.07.ICV.IZ.L16.8.DS.OP13	DS	OB				3	3	6		4		4	C
8 (EC V)	Equipment for buildings	U02.07.ICV.IZ.L16.8.DD.OP14	DD	OP	2		1		1	4		1		1	C
	Transport engineering	U02.07.ICV.IZ.L16.8.DD.OP15													
9	Building Information Modelling (BIM)	U02.07.ICV.IZ.L16.8.DD.OB63	DS	OP	1		2		1	4		2		2	C
10	Diploma Project practical stage	U02.07.ICV.IZ.L16.8.DS.OB64			4 weeks x 30 hours / week							5		5	C
Total compulsory disciplines (OB and OP)		Total contact hours	27		11	0	8	8	13	40	14	12	4	30	4E+2P+4C
Diploma project defense*)		U02.07.ICV.IZ.L16.8.DS.OB65												10	1E

*) The total of 240 credits is compulsory for the Diploma Project defence

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Notations:

EC – elective course

E - exam

P - project

C - colloquy

P/F - Passed / Failed

Course code:

1÷8 – semester number

DF – fundamental course

DD – course within the domain

DC – complementary course

DS – specialty course

PP – psycho-pedagogic training course (only in Romanian)

OB – compulsory course

OP – elective course (is active only the one selected by the majority of students)

FC – facultative course (active only if requested by a sufficient number of students)

1÷65 – course number

Notations:

C - course

S - seminar

L - laboratory
P - project
IS - individual study
TH - total hours per week
CR - ECTS credits
EC – elective course
E - exam
Co - colloquy
P/F - Passed / Failed

Course code:

1÷8 – semester number
DF – fundamental course
DD – course within the domain
DC – complementary course
DS – specialty course
PP – psycho-pedagogic training c
OB – compulsory course
OP – elective course (is active on
FC – facultative course (active or
1÷65 – course number

course (only in Romanian)

only the one selected by the majority of students)

only if requested by a sufficient number of students)