

PLAN OF STUDIES

FACULTY: Civil Engineering

MAIN FIELD OF STUDY: Civil Engineering

EDUCATION LEVEL: I/ II * level, ~~licencjat~~ / ~~inżynier~~ / ~~magister~~ / ~~magister inżynier~~*

FORM OF STUDIES: full-time / ~~part-time~~*

PROFILE: general academic / ~~practical~~*

SPECIALIZATION: Civil Engineering

LANGUAGE OF STUDY: English

Faculty Council resolution no. 748/42/2012-2016 from 27.04.2016.

In effect since 01.10.2016

Plan of studies structure

1) in ECTS layout

Specjalność: Civil Engineering

ECTS	Sem. 1	Sem. 2	Sem. 3
30	FZP007163 Fizyka nowoczesnych materiałów	CEB007962 Dynamika budowli	CEB008563 Zarządzanie przedsięwzięciami budowlanymi
29	CEB007261 Matematyka-wybrane zagadnienia		
28			
27	CEB007361 Fundamentowanie-wybrane zagadnienia	CEB005362 Metody komputerowe	CEB009863 Seminarium dyplomowe
26			
25	CEB008361 Teoria sprężystości i plastyczności	CEB008662 Technologia robót budowlanych	CEB099963 Praca dyplomowa magisterska
24			
23	CEB004462 Budownictwo mieszkaniowe		
22		CEB008461 Statyka budowli – wybrane zagadnienia	
21	CEB003962 Budownictwo podziemne – infrastruktura miejska		
20		CEB007561 Konstrukcje betonowe – obiekty	
19	CEB004062 Koleje		
18		CEB007661 Konstrukcje metalowe –obiekty	
17	CEB004162 Drogi, ulice i lotniska		
16		CEB007761 Zaawansowane komputerowe wspomaganie projektowania	
15	CEB008062 Mosty		
14		Moduł wybieralny z bloku A	
13	CEB007861 Hydraulika w budownictwie		
12		Moduł wybieralny z bloku B	
11	Moduł wybieralny z bloku C		
10		Moduł wybieralny z bloku A	
9	Moduł wybieralny z bloku B		
8		Moduł wybieralny z bloku C	
7	Moduł wybieralny z bloku A		
6		Moduł wybieralny z bloku B	
5	Moduł wybieralny z bloku C		
4		Moduł wybieralny z bloku A	
3	Moduł wybieralny z bloku B		
2		Moduł wybieralny z bloku C	
1	Moduł wybieralny z bloku A		

Specialization: Civil Engineering

ECTS	Sem. 1	Sem. 2	Sem. 3
30	FZP007163 Physics of modern materials	CEB007962 Dynamics	CEB008563 Construction project management
29	CEB007261 Mathematics - selected topics		
28			
27	CEB007361 Selected topics in geo-engineering - foundations	CEB005362 Computational mechanics	CEB009863 Master thesis seminar
26			
25	CEB008361 Theory of elasticity and plasticity	CEB008662 Constructions techniques and processes	CEB099963 Master thesis
24			
23	CEB004462 Apartment building		
22		CEB008461 Selected topics in structural mechanics	
21	CEB003962 Underground structures - urban infrastructure		
20		CEB007561 Concrete structures - objects	
19	CEB004062 Railways		
18		CEB007661 Metal structures - objects	
17	CEB004162 Roads, streets and airports		
16		CEB007761 Advanced computer aided engineering	
15	CEB008062 Bridges		
14		Elective A	
13	CEB007861 Hydraulics in civil engineering		
12		Elective B	
11	Elective C		
10		Elective A	
9	Elective B		
8		Elective C	
7	Elective A		
6		Elective B	
5	Elective C		
4		Elective A	
3	Elective B		
2		Elective C	
1	Elective A		

Moduł wybieralny z bloku A:		Moduł z bloku wybieralnego 1:
FLH020361 Etyka inżynierska FLH020461 Etyka w biznesie		
Moduł wybieralny z bloku B:	Moduł wybieralny z bloku C:	
JZL100709BK Język obcy – poziom B2+	JZL100710BK Język obcy – poziom A1/A2	
		Zaawansowana fizyka budowli CEB006363 Hydrologia dla inżynierów budowlanych CEB006863 Właściwości efektywne kompozytów – wprowadzenie do mikromodelowania
Moduł wybieralny z bloku W:		
WFW010000BK Zajęcia sportowe		
		Moduł z bloku wybieralnego 2:
		CEB006563 Betonowe konstrukcje sprężone CEB006663 Konstrukcje drewniane CEB006763 Konserwacja i wzmacnianie konstrukcji zabytkowych CEB006963 Metody statystyki stosowanej (geostatystyka) CEB008263 Budownictwo zrównoważone

Elective A:		Elective 1:	
FLH020361 Etyka inżynierska FLH020461 Etyka w biznesie		CEB00606 Artificial intelligence in civil engineering CEB006163 Modern testing methods for non-destructive inspection of building structures CEB007063 Advanced building physics CEB006363 Hydrology for building engineers CEB006863 Effective properties of composites - introduction to micro-mechanics	
Elective B:	Elective C:		
JZL100709BK Foreign language B2+	JZL100710BK Foreign language - level A1/A2		
		Elective W:	
		WFW010000BK Sports	
		Elective 2:	
		CEB006563 Pre-stressed concrete structures CEB006663 Timber structures CEB006763 Conservation and strengthening of monumental heritage structures CEB006963 Methods of applied statistics (geo-statistics) CEB008263 Sustainable housing	

Prerequisites for specialty CEB

Specialization is designated for graduates of all universities who meet the general competency requirements for candidates to study a second degree at WBLiW WrUT - the 1st level degree in civil engineering or in the close directions (so-called “related fields-of-study” in accordance with the Construction Law and regulations implementing this act). Requires possession of knowledge and skills (learning outcomes) for the filed-of-study civil engineering, according to the program of education at the Faculty of Civil Engineering at Wrocław University of Technology. Students not meeting this requirement, they should complete the missing knowledge by self-education (given the literature). Admitted to study are also graduates of foreign universities, not fluent in Polish.

Plan of studies structure

2) in hourly layout

Specjalność: Civil Engineering

Godziny	Sem. 1	Sem. 2	Sem. 3
31		Moduł wybieralny z bloku W	
30		CEB007962 Dynamika budowli	
29			
28			
27	EZP007163 Fizyka nowoczesnych materiałów	CEB005362 Metody komputerowe	
26	CEB007261 Matematyka - wybrane zagadnienia		
25			
24	CEB007361 Fundamentowanie-wybrane zagadnienia	CEB008662 Technologia robót budowlanych	
23			
22			
21	CEB008361 Teoria sprężystości i plastyczności	CEB004462 Budownictwo mieszkaniowe	
20			
19			
18	CEB008461 Statyka budowli - wybrane zagadnienia	CEB003962 Budownictwo podziemne - infrastruktura miejska	
17			
16			
15			
14	CEB007561 Konstrukcje betonowe - obiekty	CEB004062 Koleje	
13			
12			
11			
10	CEB007661 Konstrukcje metalowe - obiekty	CEB004162 Drogi, ulice i lotniska	
9			
8			CEB008563 Zarządzanie przedsięwzięciami budowlanymi
7			
6	CEB007761 Zaawansowane komputerowe wspomaganie projektowania	CEB008062 Mosty	CEB009863 Seminarium dyplomowe
5			
4	CEB007861 Hydraulika w budownictwie		Moduł z bloku wybieralnego1
3			

Specialization: Civil Engineering

Hours	Sem. 1	Sem. 2	Sem. 3
31		Sports - Elective W	
30			
29		CEB007962 Dynamics	
28			
27	EZP007163 Physics of modern materials	CEB005362 Computational mechanics	
26	CEB007261 Mathematics - selected topics		
25			
24	CEB007361 Selected topics in geo-engineering - foundations	CEB008662 Constructions techniques and processes	
23			
22			
21	CEB008361 Theory of elasticity and plasticity	CEB004462 Apartment building	
20			
19			
18	CEB008461 Selected topics in structural mechanics	CEB003962 Underground structures - urban infrastructure	
17			
16			
15			
14	CEB007561 Concrete structures - objects	CEB004062 Railways	
13			
12			
11			
10	CEB007661 Metal structures - objects	CEB004162 Roads, streets and airports	
9			
8			CEB008563 Construction project management
7			
6	CEB007761 Advanced computer aided engineering	CEB008062 Bridges	CEB009863 Master thesis seminar
5			
4	CEB007861 Hydraulics in civil engineering		Elective 1
3			

2	Moduł wybieralny z bloku A	Moduł wybieralny z bloku C	Moduł z bloku wybieralnego2
1	Moduł wybieralny z bloku B		

Moduł wybieralny z bloku A: FLH020361 Ethics in engineering FLH020461 Ethics in business	Moduł z bloku wybieralnego 1: CEB00606 Sztuczna inteligencja w budownictwie CEB006163 Nowoczesne metody badań nieniszczących konstrukcji budowlanych CEB007063 Zaawansowana fizyka budowli CEB006363 Hydrologia dla inżynierów budowlanych CEB006863 Właściwości efektywne kompozytów –wprowadzenie do mikromodelowania	
Moduł wybieralny z bloku B: JZL100709BK Język obcy – poziom B2+	Moduł wybieralny z bloku C: JZL100710BK Język obcy – poziom A1/A2	Moduł z bloku wybieralnego 2: CEB006563 Betonowe konstrukcje sprężone CEB006663 Konstrukcje drewniane CEB006763 Konserwacja i wzmacnianie konstrukcji zabytkowych CEB006963 Metody statystyki stosowanej (geostatystyka) CEB008263 Budownictwo zrównoważone
Moduł wybieralny z bloku W: WFW01000BK Zajęcia sportowe		

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2	Elective A	Elective C	Elective 2
1	Elective B		

Elective A: FLH020361 Ethics in engineering FLH020461 Ethics in business	Elective 1: CEB00606 Artificial intelligence in civil engineering CEB006163 Modern testing methods for non-destructive inspection of building structures CEB007063 Advanced building physics CEB006363 Hydrology for building engineers CEB006863 Effective properties of composites - introduction to micro-mechanics	
Elective B: JZL100709BK Foreign language B2+	Elective C: JZL100710BK Foreign language - level A1/A2	Elective 2: CEB006563 Pre-stressed concrete structures CEB006663 Timber dtructures CEB006763 Conservation and strengthening of monumental heritage structures CEB006963 Methods o applied statistics (geo-statistics) CEB008263 Sustainable housing
Elective W: WFW01000BK Sports		

1. Set of obligatory and optional courses and groups of courses in semesteral arrangement

Definitions:

¹BK – number of ECTS points assigned to hours of classes requiring direct contact of teachers with students

²Traditional – T, distance – Z

³Exam – E, crediting with grade – Z. For the group of courses – after the letter E or Z - enter in brackets the final course form (lec, cl, lab, pr, sem)

⁴University-wide course /group of courses – O

⁵Practical course / group of courses – P. For the group of courses (GK) - in brackets enter the number of ECTS points assigned to practical courses

⁶KO – general education, PD – basic sciences, K – field-of-studies, S – specialization

⁷Optional – W, obligatory – Ob.

CNPS – total student's work; ZZU – organized courses; 1 ECTS = 30 hrs NPS

Modules for optional specialization: Civil Engineering CEB [9]
Specialization: Civil Engineering (language of studies: English)
Supervisor: prof. dr hab. inż. Jan BIENÍ

Semester 1

Obligatory courses

number of ECTS points **28**

No	Course / group of courses code	Name of course / group of courses (denote group of courses with symbol GK)	Weekly number of hours					Field-of-study educational effect symbol	Number of hours		Number of ECTS points		Form ² of course / group of courses	Way ³ of crediting	Course/group of courses				
			lec	cl	lab	pr	sem		ZZU	CNPS	total	BK classes ¹			university-wide ⁴	practical P ⁵	kind ⁶	type ⁷	
1	FZP007163	Physics of modern materials. Fizyka nowoczesnych materiałów	1					K2_W01, K2_W02, K2_W04, K2_U03, K2_U08, K2_K01, K2_K02, K2_K06	15	30	1	0,5	T	Z	O		PD	Ob.	
2	CEB007261	Selected topics in mathematics. Matematyka - wybrane zagadnienia	1					K2_W01, K2_U08, K2_K01, K2_K02, K2_K03, K2_K06	15	60	2	0,6	T	E			PD	Ob.	
				1					15	30	1	0,6	T	Z		0,9	PD	Ob.	
3	CEB007361	Selected topics in geo-engineering - foundation. Fundamentowanie - wybrane zagadnienia	1					K2_W01, K2_W06, K2_W08, K2S_CEB_W16, K2S_CEB_W19, K2S_CEB_W20, K2_U04, K2_U05, K2_U09, K2_U10, K2_U16, K2_U17, K2S_CEB_U20, K2S_CEB_U22, K2S_CEB_U23, K2_K03, K2_K06	15	30	1	0,5	T	Z			K	Ob.	
						2			30	60	2	1,2	T	Z		2,0	K	Ob.	

4	CEB008361	Theory of elasticity and plasticity. Teoria sprężystości i plastyczności	2					K2_W01, K2_W02, K2_W04, K2S_CEB_W16, K2_U02, K2_U04, K2_U08, K2S_CEB_U19, K2S_CEB_U23, K2_K01	30	60	2	1,1	T	Z			K	Ob.
				1					15	30	1	0,6	T	Z		0,8	K	Ob.
5	CEB008461	Selected topics in structural mechanics. Statyka budowli - wybrane zagadnienia	2					K2_W03, K2_W04, K2_W05, K2S_CEB_W16, K2_U06, K2_U07, K2_U09, K2S_CEB_U19, K2_K01, K2_K03	30	90	3	1,1	T	E			K	Ob.
				1					15	30	1	0,7	T	Z		0,5	K	Ob.
					1				15	30	1	0,7	T	Z		1,0	K	Ob.
6	CEB007561	Concrete structures - objects. Konstrukcje betonowe - obiekty	2					K2_W04, K2_W06, K2_W07, K2_W08, K2S_CEB_W16, K2S_CEB_W18, K2_U09, K2_U11, K2_U12, K2S_CEB_U18, K2S_CEB_U19, K2_K01, K2_K02, K2_K03	30	60	2	1,1	T	E			S	Ob.
						2			30	60	2	1,1	T	Z		2,0	S	Ob.

7	CEB007661	Metal structures - objects. Konstrukcje metalowe - obiekty	2					K2_W01, K2_W02, K2_W04, K2_W05, K2_W06, K2_W07, K2_W09, K2S_CEB_W16, K2_U01, K2_U02, K2_U04, K2_U05, K2_U06, K2_U07, K2_U08, K2_U09, K2_U11, K2_U12, K2S_CEB_U18, K2S_CEB_U19, K2_K01, K2_K02, K_K03	30	60	2	1,1	T	E			S	Ob.
					2				30	60	2	1,1	T	Z		2,0	S	Ob.
8	CEB007761	Advanced computer aided engineering. Zaawansowane komputerowe spomaganie projektowania			2			K2_W03, K2_W04, K2_W05, K2_W06, K2_W07, K2_W09, K2S_CEB_W16, K2S_CEB_W22, K2_U04, K2_U05, K2_U06, K2_U07, K2_U08, K2_U09, K2_U11, K2_U12, K2S_CEB_U18, K2S_CEB_U19, K2S_CEB_U23, K2_K01, K2_K02, K2_K03	30	60	2	1,2	T	Z		2,0	S	Ob.

9	CEB007861	Hydraulics in civil engineering. Hydraulika w budownictwie	1						K2_W01, K2_W02, K2_W06, K2_W14, K2S_CEB_W17, K2_U01, K2_U02, K2_U03, K2_U06, K2_U17, K2_U19, K2_U20, K2S_CEB_U20, K2_K01, K2_K02, K2_K03	15	30	1	0,6	T	Z			S	Ob.
						1				15	30	1	0,6	T	Z		1,0	S	Ob.
		Module selected from block A																	
10	JZL100709BK	Foreign language - level B2+. Język obcy - poziom B2+		1					K2_U01, K2_U02, K2_K01, K2_K06	15	30	1	0,5	T	Z	O	1,0	KO	W
Total			12	4	3	7	0			390	840	28	14,9				13,2		

Groups of optional courses

number of ECTS points **2**

No	Course / group of courses code	Name of course / group of courses (denote group of courses with symbol GK)	Weekly number of hours					Field-of-study educational effect symbol	Number of hours		Number of ECTS points		Form ² of course / group of courses	Way ³ of crediting	Course/group of courses			
			lec	cl	lab	pr	sem		ZZU	CNPS	total	BK classes ¹			university-wide ⁴	practical P ⁵	kind ⁶	type ⁷
1		Module selected from block B					1		15	60	2	0,6	T	Z	O	1,5	KO	W
	FLH020361	Ethics in engineering. Etyka inżynierska						K2_W13, K2_W14, K2_U15, K2_U03, K2_U16, K2_U15, K2_U16, K2_K01, K2_K02, K2_K04, K2_K06										
	FLH020461	Ethics in business. Etyka w biznesie																
Total			0	0	0	0	1		15	60	2	0,6				1,5		

Total in semester:

Total number of hours					Total number of ZZU hours	Total number of CNPS hours	Total number of ECTS points	Total number of ECTS points for BK	Total number of ECTS points for P
lec	cl	lab	pr	sem					
12	4	3	7	1	405	900	30	15,5	14,7

Semester 2

Obligatory courses

number of ECTS points **30**

No	Course / group of courses code	Name of course / group of courses (denote group of courses with symbol GK)	Weekly number of hours					Field-of-study educational effect symbol	Number of hours		Number of ECTS points		Form ² of course / group of courses	Way ³ of crediting	Course/group of courses			
			lec	cl	lab	pr	sem		ZZU	CNPS	total	BK classes ¹			university-wide ⁴	practical P ⁵	kind ⁶	type ⁷
1	CEB007962	Dynamics. Dynamika budowli	1					K2_W01, K2_W03, K2_W04, K2_W05, K2S_CEB_W22, K2_U03, K2_U05, K2_U06, K2_U07, K2_U09, K2_U16, K2S_CEB_U19, K2_K01, K2_K02	15	60	2	0,7	T	E			K	Ob.
					1				15	30	1	0,6	T	Z		1,0	K	Ob.
2	CEB005362	Computational mechanics. Metody komputerowe	1					K2_W01, K2_W02, K2_W03, K2_W04, K2_W05, K2_W09, K2S_CEB_W16, K2_U02, K2_U06, K2_U08, K2_U09, K2_U16, K2S_CEB_U19, K2_K01, K2_K04	15	30	1	0,5	T	Z			K	Ob.
					2				30	60	2	1,1	T	Z		2,0	K	Ob.

3	CEB008662	Construction techniques and processes. Technologia robót budowlanych	1					K2_W10, K2_W11, K2_W13, K2_W14, K2S_CEB_W21, K2_U01, K2_U13, K2_U14, K2_U16, K2S_CEB_U23, K2_K01, K2_K02, K2_K04	15	30	1	0,7	T	E		S	Ob.
					2				30	60	2	1,1	T	Z	2,0	S	Ob.
4	CEB004462	Apartment building. Budownictwo mieszkaniowe	2					K2_W04, K2_W06, K2_W07, K2_W14, K2S_CEB_W16, K2S_CEB_W18, K2_U02, K2_U04, K2_U05, K2_U06, K2S_CEB_U18, K2_U11, K2_K01, K2_K03, K2_K05, K2_K06	30	60	2	1,1	T	Z		S	Ob.
					1				15	30	1	0,6	T	Z	1,0	S	Ob.
5	CEB003962	Underground structures - urban infrastructure. Budownictwo podziemne - infrastruktura miejska	2					K2_W05, K2_W06, K2_W11, K2_W13, K2S_CEB_W20, K2S_CEB_W21, K2_U04, K2_U05, K2_U06, K2_U07, K2_U09, K2_U12, K2S_CEB_U19, K2S_CEB_U22, K2_K01, K2_K03	30	60	2	1,0	T	E		S	Ob.
					2				30	60	2	1,2	T	Z	2,0	S	Ob.

6	CEB004062	Railways. Koleje	2					K2_W06, K2_W07, K2S_CEB_W19, K2S_CEB_W21, K2_U04, K2_U05, K2_U12, K2S_CEB_W19, K2S_CEB_W21, K2_K01, K2_K03, K2_K06	30	30	1	1,0	T	Z			S	Ob.
					2				30	60	2	1,1	T	Z		1,8	S	Ob.
7	CEB004162	Roads, streets and airports. Drogi, ulice i lotniska	2					K2_W01, K2_W06, K2_W09, K2S_CEB_W19, K2S_CEB_W20, K2_U01, K2_U08, K2_U12, K2_U16, K2S_CEB_U22, K2_K01, K2_K02, K2_K03	30	60	2	1,3	T	Z			S	Ob.
					2				30	60	2	1,3	T	Z		2,0	S	Ob.
8	CEB008062	Bridges. Mosty	2					K2_W03, K2_W04, K2_W05, K2_W06, K2_W07, K2_W10, K2S_CEB_W19, K2S_CEB_W21, K2_U02, K2_U04, K2_U05, K2_U07, K2_U08, K2_U11, K2_U12, K2S_CEB_U19, K2S_CEB_U22, K2_K01, K2_K02, K2_K03	30	60	2	1,3	T	E			S	Ob.
					2				30	60	2	1,3	T	Z		2,0	S	Ob.
		Elective from block C																
9	JZL100710BK	Foreign language - level A1/A2. Język obcy - poziom A1/A (for foreign students - Polish language)		3				K2_U01, K2_U02, K2_K01, K2_K06	45	60	2	1,5	T	Z	O	2,0	KO	W

10		Elective from block W		1					15	15	1	1,0	T	Z	O	1,0	KO	W
	WFW010000BK	Optional sports. Zajęcia sportowe - wybór sekcji.						K2_K07										
Total			13	4	3	11	0		465	885	30	18,4				16,8		

Total in semester:

Total number of hours					Total number of ZZU hours	Total number of CNPS hours	Total number of ECTS points	Total number of ECTS point for BK	Total number of ECTS points for P
lec	cl	lab	pr	sem					
13	4	3	11	0	465	885	30	18,4	16,8

Total accumulated:

Total number of hours					Total number of ZZU hours	Total number of CNPS hours	Total number of ECTS points	Total number of ECTS point for BK	Total number of ECTS points for P
lec	cl	lab	pr	sem					
25	8	6	18	1	870	1785	60	33,9	31,5

Semester 3**Obligatory courses****number of ECTS points 24**

No	Course / group of courses code	Name of course / group of courses (denote group of courses with symbol GK)	Weekly number of hours					Field-of-study educational effect symbol	Number of hours		Number of ECTS points		Form ² of course / group of courses	Way ³ of crediting	Course/group of courses			
			lec	cl	lab	pr	sem		ZZU	CNPS	total	BK classes ¹			university-wide ⁴	practical P ⁵	kind ⁶	type ⁷
1	CEB008563	Construction project management. Zarządzanie przedsiębiorstwami budowlanymi	1						15	30	1	0,6	T	Z			KO	Ob.
				1					15	60	2	0,6	T	Z		1,5	KO	Ob.

2	CEB009863	Master thesis seminar. Seminarium dyplomowe					2	K2_W15, K2S_CEB_W16- K2S_CEB_W21, K2_U01, K2_U02, K2_U15, K2_U16, K2_U17, K2S_CEB_U18- K2S_CEB_U23, K2_K01, K2_K02, K2_K03, K2_K06	30	90	3	1,1	T	Z		2,7	S	Ob.
3	CEB099963	Master thesis (MSc). Praca dyplomowa magisterska						K2_W02-K2_W05, K2_W07, K2_W09, K2S_CEB_W16- K2S_CEB_W22, K2_U01, K2_U06- K2_U09, K2_U15, K2_U16, K2_U17, K2S_CEB_U18- K2S_CEB_U23, K2_K01, K2_K02, K2_K04		540	18	0,3	T	Z		18,0	S	Ob.
Total			1	1	0	0	2		60	720	24	2,6				22,2		

	CEB006363	Hydrology for building engineers. Hydrologia dla inżynierów budowlanych						K2_W01, K2_W02, K2_W03, K2_W09, K2_CEB_W22, K2_U07, K2_U08, K2_CEB_U23, K2_K01, K2_K02, K2_K03, K2_K04, K2_K05, K2_K06									
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	CEB006963	Methods of applied statistics (geo-statistics). Metody statystyki stosowanej (geostatystyka)						K2_W01, K2_W09, K2S_CEB_W22, K2_U01, K2_U03, K2_U08, K2_U16, K2_U17, K2S_CEB_U19, K2S_CEB_U23, K2_K01, K2_K02, K2_K03, K2_K06											
	CEB008263	Sustainable housing. Budownictwo zrównoważone						K2_W06, K2_W13, KS_CEB_W22, K2_U01, K2_U04, K2_U08, K2S_CEB_U23, K2_K01, K2_K02, K2_K03											
Total			2	0	1	1	0		60	180	6	2,4				4,0			

Total in semester:

Total number of hours					Total number of ZZU hours	Total number of CNPS hours	Total number of ECTS points	Total number of ECTS point for BK	Total number of ECTS points for P
lec	cl	lab	pr	sem					
3	1	1	1	2	120	900	30	5,0	26,2

Total accumulated:

Total number of hours					Total number of ZZU hours	Total number of CNPS hours	Total number of ECTS points	Total number of ECTS point for BK	Total number of ECTS points for P
lec	cl	lab	pr	sem					
28	9	7	19	3	990	2685	90	38,9	57,7

Total number of ZZU hours: 990**Hours - lectures: 42,4%****Hours - other courses: 57,6%****ECTS - BK: 43,2%****ECTS - P: 64,1%**

2. Set of examinations in semestral arrangement

No	Course code	Names of courses ending with examination	Semester
Civil Engineering			
1	CEB007261	Selected topics in mathematics. Matematyka - wybrane zagadnienia	1
2	CEB008461	Selected topics in structural mechanics. Statyka budowli - wybrane zagadnienia	1
3	CEB007561	Concrete structures - objects. Konstrukcje betonowe - obiekty	1
4	CEB007661	Metal structures - objects. Konstrukcje metalowe - obiekty	1
5	CEB007962	Dynamics. Dynamika budowli	2
6	CEB008662	Construction techniques and processes. Technologia robót budowlanych	2
7	CEB003962	Underground structures - urban infrastructure. Budownictwo podziemne - infrastruktura miejska	2
8	CEB008062	Bridges. Mosty	2

3. Allowable deficit of ECTS points after particular semesters

Semester	Allowable deficit of ECTS points after semester	Total number of points required for registration for the next semester
1	15	15
2	13	47

4. List of blocking modules

There are no blocked modules

Faculty Council resolution no. 748/42/2012-2016 from 27.04.2016.

In effect since 01.10.2016

Opinion of the faculty student government legislative body:

27.04.2016

Date Name and surname, signature of the student representative

27.04.2016

Date Dean's signature
