

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. 154/8/2016-2020 from 26.04.2017.

In effect since 01.10.2017

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		CEB007361 Fundamentowanie-wybrane zagadnienia	CEB005362 Metody komputerowe
27	CEB008361 Teoria sprężystości i plastyczności		
26		Zajęcia sportowe - blok W	CEB008662 Technologia robót budowlanych
25	CEB008461 Statyka budowli – wybrane zagadnienia		
24		CEB007561 Konstrukcje betonowe – obiekty	CEB003962 Budownictwo podziemne – infrastruktura miejska
23	CEB007661 Konstrukcje metalowe –obiekty		
22		CEB007761 Zaawansowane komputerowe wspomaganie projektowania	CEB004162 Drogi, ulice i lotniska
21	CEB007861 Hydraulika w budownictwie		
20		Moduł wybieralny z bloku A	CEB008062 Mosty
19	Moduł wybieralny z bloku B		
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2			
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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		CEB007361 Selected topics in geo-engineering - foundations	CEB005362 Computational mechanics
27	CEB008361 Theory of elasticity and plasticity		
26		Sports - Elective W	CEB008662 Constructions techniques and processes
25	CEB008461 Selected topics in structural mechanics		
24		CEB007561 Concrete structures - objects	CEB003962 Underground structures - urban infrastructure
23	CEB007661 Metal structures - objects		
22		CEB007761 Advanced computer aided engineering	CEB004162 Roads, streets and airports
21	CEB007861 Hydraulics in civil engineering		
20		Elective A	CEB008062 Bridges
19	Elective B		
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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	
		Moduł z bloku wybieralnego 2:
Moduł wybieralny z bloku W:		
WFW010000BK Zajęcia sportowe		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		
Elective B:	Elective C:	
JZL100709BK Foreign language B2+	JZL100710BK Foreign language - level A1/A2	
		Elective 2:
Elective W:		
WFW010000BK Sports		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	FZP007163 Fizyka nowoczesnych materiałów	CEB005362 Metody komputerowe	
26	CEB007261 Matematyka - wybrane zagadnienia		
25		CEB008662 Technologia robót budowlanych	
24	CEB007361 Fundamentowanie-wybrane zagadnienia		
23		CEB004462 Budownictwo mieszkaniowe	
22	CEB008361 Teoria sprężystości i plastyczności		
21		CEB003962 Budownictwo podziemne – infrastruktura miejska	
20			
19			
18	CEB008461 Statyka budowli – wybrane zagadnienia		
17		CEB004062 Koleje	
16	CEB007561 Konstrukcje betonowe – obiekty		
15			
14			
13		CEB004162 Drogi, ulice i lotniska	
12	CEB007661 Konstrukcje metalowe – obiekty		
11			
10			
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	FZP007163 Physics of modern materials	CEB005362 Computational mechanics	
26	CEB007261 Mathematics - selected topics		
25		CEB008662 Constructions techniques and processes	
24	CEB007361 Selected topics in geo-engineering - foundations		
23		CEB004462 Apartment building	
22	CEB008361 Theory of elasticity and plasticity		
21		CEB003962 Underground structures - urban infrastructure	
20			
19			
18	CEB008461 Selected topics in structural mechanics		
17		CEB004062 Railways	
16	CEB007561 Concrete structures - objects		
15			
14			
13		CEB004162 Roads, streets and airports	
12	CEB007661 Metal structures - objects		
11			
10			
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: WFW010000BK 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: WFW010000BK Sports		

1. Set of obligatory and optional courses and groups of courses in semestral 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_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. 154/8/2016-2020 from 26.04.2017.

In effect since 01.10.2017

Opinion of the faculty student government legislative body:

26.04.2017

Date Name and surname, signature of the student representative

26.04.2017

Date Dean's signature