

## **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

### **Prerequisites for specialization 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.



<b>Module selected from block B:</b>		1	1	0	0	0	0	0	0	0	0	1	1	
<b>FLH020161</b>	Ethics in engineering													
	<i>Etyka inżynierska</i>													
<b>FLH020261</b>	Ethics in business													
	<i>Etyka w biznesie</i>													
<b>Total in semester:</b>		<b>13</b>	<b>15</b>	<b>4</b>	<b>5</b>	<b>3</b>	<b>3</b>	<b>7</b>	<b>7</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>27</b>	<b>30</b>

## Year I, semester 2

Code no.	Name of course / group of courses	Lec		Cl		Lab		Pr		Sem		E/GK	Total module	
		h	ECTS	h	ECTS	h	ECTS	h	ECTS	h	ECTS		h	ECTS
CEB007962	Dynamics	1	2	0	0	1	1	0	0	0	0	E	2	3
	<i>Dynamika budowli</i>													
CEB005362	Computational mechanics	1	1	0	0	2	2	0	0	0	0		3	3
	<i>Metody komputerowe</i>													
CEB005262	Construction techniques and processes	1	2	0	0	0	0	2	2	0	0	E	3	4
	<i>Technologia robót budowlanych</i>													
CEB004462	Apartment building	2	2	0	0	0	0	1	1	0	0		3	3
	<i>Budownictwo mieszkaniowe</i>													
CEB003962	Underground structures – urban infrastructure	2	2	0	0	0	0	2	2	0	0	E	4	4
	<i>Budownictwo podziemne – infrastruktura miejska</i>													
CEB004062	Railways	2	1	0	0	0	0	2	2	0	0		4	3
	<i>Koleje</i>													
CEB004162	Roads, streets and airports	2	2	0	0	0	0	2	2	0	0		4	4
	<i>Drogi, ulice i lotniska</i>													
CEB008062	Bridges	2	2	0	0	0	0	2	2	0	0	E	4	4
	<i>Mosty</i>													
<b>Module selected from block C:</b>		0	0	3	2	0	0	0	0	0	0		3	2
JZB.....BK	Foreign language – level A1/A2 <i>Język obcy – poziom A1/A</i>													
<b>Total in semester:</b>		<b>13</b>	<b>14</b>	<b>3</b>	<b>2</b>	<b>3</b>	<b>3</b>	<b>11</b>	<b>11</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>30</b>	<b>30</b>
<b>Total cumulative:</b>		<b>26</b>	<b>29</b>	<b>7</b>	<b>7</b>	<b>6</b>	<b>6</b>	<b>18</b>	<b>18</b>	<b>0</b>	<b>0</b>	<b>8</b>	<b>57</b>	<b>60</b>

## Year II, semester 3

Code no.	Name of course / group of courses	Lec		Cl		Lab		Pr		Sem		E/GK	Total module	
		h	ECTS	h	ECTS	h	ECTS	h	ECTS	h	ECTS		h	ECTS
CEB008163	Construction project management	2	2	0	0	0	0	0	0	0	0		2	2
	<i>Zarządzanie przedsięwzięciami budowlanymi</i>													
CEB009863	Master thesis seminar	0	0	0	0	0	0	0	0	2	3		2	3
	<i>Seminarium dyplomowe</i>													
CEB009963	Master thesis (MSc)												10	19
	<i>Praca dyplomowa magisterska</i>													
<b>Module selected from block 1</b>		1	1	0	0	1	2	0	0	0	0		2	3
CEB006063	Artificial intelligence in civil engineering													
	<i>Sztuczna inteligencja w budownictwie</i>													
CEB006163	Modern testing methods for non-destructive inspection of building structures													
	<i>Nowoczesne metody badań nieniszczących konstrukcji budowlanych</i>													
CEB007063	Advanced building physics													
	<i>Zaawansowana fizyka budowli</i>													
CEB006363	Hydrology for building engineers													
	<i>Hydrologia dla inżynierów budowlanych</i>													
CEB006863	Effective properties of composites – introduction to micro-mechanics													
	<i>Właściwości efektywne kompozytów – wprowadzenie do mikromodelowania</i>													

<i>Module selected from block 2</i>		1	1	0	0	0	0	1	2	0	0		2	3
<b>CEB006563</b>	Pre-stressed concrete structures													
	<i>Betonowe konstrukcje sprężone</i>													
<b>CEB006663</b>	Timber structures													
	<i>Konstrukcje drewniane</i>													
<b>CEB006763</b>	Conservation and strengthening of monumental heritage structures													
	<i>Konserwacja i wzmacnianie konstrukcji zabytkowych</i>													
<b>CEB006963</b>	Methods of applied statistics (geo-statistics)													
	<i>Metody statystyki stosowanej geostatystyka</i>													
<b>CEB008263</b>	Sustainable housing													
	<i>Budownictwo zrównoważone</i>													
<b>Total in semester:</b>		<b>4</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>2</b>	<b>1</b>	<b>2</b>	<b>2</b>	<b>3</b>	<b>0</b>	<b>8</b>	<b>30</b>
<b>Total cumulative:</b>		<b>30</b>	<b>33</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>8</b>	<b>19</b>	<b>20</b>	<b>2</b>	<b>3</b>	<b>8</b>	<b>65</b>	<b>90</b>

lec 30 46,2%  
cl+lab+pr+sem 35 53,8%

cl 7 10,8%  
lab 7 10,8%  
pr 19 29,2%  
sem 2 3,1%

### Set of examinations in semestral arrangement

No.	Course code	Names of courses ending with examination	Semester
		<b>Civil Engineering</b>	
1	<b>CEB007261</b>	Selected topics in mathematics. Matematyka - wybrane zagadnienia	1
2	<b>CEB007461</b>	Selected topics in structural mechanics. Statyka budowli - wybrane zagadnienia	1
3	<b>CEB007561</b>	Concrete structures - objects. Konstrukcje betonowe - obiekty	1
4	<b>CEB007661</b>	Metal structures - objects. Konstrukcje metalowe - obiekty	1
5	<b>CEB007962</b>	Dynamics. Dynamika budowli	2
6	<b>CEB005262</b>	Construction techniques and processes. Technologia robót budowlanych	2
7	<b>CEB003962</b>	Underground structures - urban infrastructure. Budownictwo podziemne - infrastruktura miejska	2
8	<b>CEB008062</b>	Bridges. Mosty	2

### 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



**List of blocking modules**

No blocking modules

Faculty Council resolution no 296/21/2012-2016 from 21.05.2014

In effect since 1.10.2014

Opinion of the faculty student government legislative body:

21.05.2014

Date \_\_\_\_\_ Name and surname, signature of the student representative

21.05.2014

Date \_\_\_\_\_ Dean's signature