STUDY MODULE DESCRIPTION FORM

Name of the module/subject		Code
Civil Engineering		**1010101131010110063**
Field of study	Profile of study (general academic, practical)	Year /Semester
Civil Engineering First-cycle Studies	**general academic**	**2 / 3**
Elective path/specialty	Subject offered in:	Course (compulsory, elective)
-	**Polish**	**obligatory**
Cycle of study:	Form of study (full-time,part-time)	
First-cycle studies	**full-time**	
No. of hours		No. of credits
Lecture: **30** Classes: **15** Laboratory: **-** Project/seminars: **15**		**5**
Status of the course in the study program (Basic, major, other)	(university-wide, from another field)	
other	**university-wide**	
Education areas and fields of science and art		ECTS distribution (number and %**)**

Responsible for subject / lecturer:

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Prerequisites in terms of knowledge, skills and social competencies:

1	**Knowledge**	Basic knowledge of building materials, physics and basic methods of mathematical analysis, strength of materials, structural mechanics
2	**Skills**	Students can: use-programs Excel (basic features) identify and describe building materials and their basic physical characteristics, can provide a layer of individual partitions, understands the basic laws governing the flow of heatbudynku, wyznaczać naprężenia
3	**Social competencies**	Awareness of the need to constantly update and supplement knowledge construction and engineering skills. Understand the need for lifelong learning and knows how to interact and work in a group, taking the different roles.

Assumptions and objectives of the course:

-Maximum knowledge transfer of construction engineering bases.

Study outcomes and reference to the educational results for a field of study

Knowledge:

1. Student knows norms and guidelines of designing of construction objects and their elements, both within the range of materials and technology. - [-]
2. Student knows the rules of constructions and the designing of masonry structures. - [-K_W07]
3. Student knows rules of the constructions and analysis of chosen construction engineering objects and buildings - [-K_W09]
4. Student knows basic regulations of the building law concerning designing and construction of construction engineering objects and buildings. - [-]

Skills:

1. Student can evaluate and make composition of basic loads acting on building objects. - [-K_U02]
2. Student can design chosen elements and simple masonry structures.ektować wybrane elementy i proste konstrukcje murowe. - [-K_U07]
3. Student can design simple foundations for construction engineering and buildings. - [-K_U09]
4. Student can select materials and technologies of realization for different construction engineering objects and buildings. - [-]
5. Student can apply basic regulations of the building law to the designing of construction engineering objects and buildings. - [-K_U19]

Social competencies:

1. Student is responsible for the honesty of obtained results of his own works and their interpretation. - [-K_K02]
2. Student independently supplements and extends the knowledge of within the range of modern processes and technologies in case of construction engineering. - [-K_K03]
3. Student has a consciousness of the necessity of the lifting of professional and personal competences. - [-K_K06]
4. Student can formulate opinions on the subject of technical and technological processes in construction. - [-K_K07]
5. Student pursues with rules of the ethics. - [-K_K10]

Assessment methods of study outcomes

-Assessment of knowledge:
activity during classes and a lectures
knowledge presented during the colloquium,
project,

The grading scale determined from:

points:	grade:
upper 100	excellent (A+)
91	very good (A)
81	good plus (B)
71	good (C)
61	adequate plus (D)
51	adequate (E)
lower 50	inadequate (F)

Course description

-The responsibility of civil engineer occupation.
What is the construction engineering?
Elements of buildings part 1.

Basic bibliography:

1. 5Tomasz Błaszczyński i inni, Dachy. Podstawy projektowania i wykonawstwa, DWE, ISBN 978-83-7125-242-6, Wrocław, 2014.
2. Tomasz Błaszczyński, Współczesne elewacje. Elewacje z betonu architektonicznego, Builder, 9, 2014, s. 26-28.
3. Tomasz Błaszczyński, Współczesne elewacje. Inteligentne fasady ruchome, Builder, 10, 2014, s. 34-35.
4. Tomasz Błaszczyński, Współczesne elewacje. Green walls, Builder, 11, 2014, s. 24-27.
5. Tomasz Błaszczyński, Współczesne elewacje. Pozyskanie energii z elewacji, Builder, 1, 2015, 20-22.
6. Tomasz Błaszczyński, Współczesne elewacje. Elewacje wentylowane, Builder, 2, 2015, s. 76-79.

Additional bibliography:

1. Tomasz Błaszczyński, Leonard Runkiewicz, Ekologia w budownictwie, DWE, ISBN 978-83-7125-249-5, Wrocław, 2014.
2. Tomasz Błaszczyński, Leonard Runkiewicz, Ekologia a budownictwo, DWE, Wrocław, ISBN 978-83-7125-251-8, 2016.

Result of average student's workload

Activity	Time (working hours)
1. participation in lectures	30
2. participation in ex. auditorium	15
3. participation in projects	15
4. preparation to ex. auditorium	10
5. preparation to attend and pass the colloquium	10
6. participation in the consultation	8
7. project realisation	15

Student's workload

Source of workload	hours	ECTS
Total workload	75	3

Contact hours	60	2
Practical activities	15	1