STUDY MODULE DESCRIPTION FORM

Name of the module/subject		Code
Civil Engineering		**1010101141010100063**
Field of study: **Civil Engineering First-cycle Studies**	Profile of study (general academic, practical): **general academic**	Year /Semester: **2 / 4**
Elective path/specialty: **-**	Subject offered in: **Polish**	Course (compulsory, elective): **obligatory**
Cycle of study: **First-cycle studies**	Form of study (full-time,part-time): **full-time**	
No. of hours: Lecture: **30** Classes: **-** Laboratory: **-** Project/seminars: **15**		No. of credits: **4**
Status of the course in the study program (Basic, major, other): **other**	(university-wide, from another field): **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
project,
written examination.

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

-Elements of buildings part 2.
Masonry structures and its designing.
Fire protection of buildings.
Bases of construction acoustics.

Basic bibliography:

1. Tomasz Błaszczyński i inni, Dachy. Podstawy projektowania i wykonawstwa, DWE, ISBN 978-83-7125-242-6, Wrocław, 2014.
2. Tomasz Błaszczyński, Leonard Runkiewicz, Ekologia w budownictwie, DWE, ISBN 978-83-7125-249-5, Wrocław, 2014.
3. Tomasz Błaszczyński, Leonard Runkiewicz, Ekologia a budownictwo, DWE, Wrocław, ISBN 978-83-7125-251-8, 2016.
4. Tomasz Błaszczyński, Trwałość budynków i budowli, DWE, Wrocław, 2012.
5. Halina Michalak, Stefan Pyrak,Budynki jednorodzinne. Projektowanie konstrukcyjne, realizacja, użytkowanie, ARKADY, Warszawa, 2013.
6. Monika Siewczyńska, DOMY JEDNORODZINNE. Przewodnik do ćwiczeń z Budownictwa Ogólnego, PWN, Warszawa, 2017.

Additional bibliography:

1. Mieczysław Kamiński, Józef Jasiczak, Wiesław Buczkowski, Tomasz Błaszczyński, Trwałość i skuteczność napraw obiektów budowlanych, DWE, Wrocław, 2007, s. 301.
2. Mieczysław Kamiński, Józef Jasiczak, Wiesław Buczkowski, Tomasz Błaszczyński, Współczesne metody naprawcze w obiektach budowlanych, DWE, Wrocław, 2009, s. 405.
3. Mieczysław Kamiński, Józef Jasiczak, Wiesław Buczkowski, Tomasz Błaszczyński, Trwałe rozwiązania naprawcze w obiektach budowlanych, DWE, Wrocław, 2010, s. 369.
4. Tomasz Błaszczyński, Monika Siewczyńska, Dawid Sinacki, Nowe trendy w architekturze, budownictwie i inżynierii środowiska, Wydawnictwo PP, Poznań, ISBN 978-83-7775-483-2, 2018.

Result of average student's workload

Activity	Time (working hours)
1. participation in projects	15
2. participation in lectures	30
3. participation in the consultation	7
4. project realisation	15
5. preparation to and attendance in examination	26

Student's workload		
Source of workload	**hours**	**ECTS**
Total workload	150	6
Contact hours	95	4
Practical activities	67	3