



COURSE DESCRIPTION CARD - SYLLABUS

Course name

The philosophy of sustainable development [S1Bud1>FZR]

Course

Field of study

Civil Engineering

Year/Semester

1/2

Area of study (specialization)

–

Profile of study

general academic

Level of study

first-cycle

Course offered in

Polish

Form of study

full-time

Requirements

elective

Number of hours

Lecture

15

Laboratory classes

0

Other

0

Tutorials

0

Projects/seminars

0

Number of credit points

1,00

Coordinators

dr inż. Marlena Kucz prof. PP
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Lecturers

Prerequisites

basic socio-economic knowledge

Course objective

To acquaint students with the idea of sustainable development. To make a joint effort to build a sustainable and catastrophic future for all people in the world and our planet. To learn about the Sustainable Development Goals. Sustainable development (SD) is a term that is still gaining in popularity and has been widely used in scientific literature, legal acts and strategic documents for years.

Course-related learning outcomes

Knowledge:

have the basics of general knowledge in mathematics, physics, chemistry, biology and other fields of science, forming theoretical principles appropriate to formulate and solve tasks related to building engineering.

have basic knowledge of the effect of building investment projects on the environment; understand the need to implement the principles of sustainable development.

Skills:

are able to gather information from literature, databases and other properly selected information sources; can synthesize the obtained information, interpret and evaluate it, as well as draw conclusions, formulate, discuss and justify opinions and positions
can make plans autonomously and carry out the lifelong learning processes; can apply the obtained knowledge in the field of building engineering in order to communicate with the surroundings using specialized terminology, and discuss important problems of building industry.

Social competences:

are able to adapt to new and changing circumstances, can define priorities for performing tasks assigned by themselves and by other people, acting in the public interest and with regard to the purposes of sustainable development.

understand the need of team work, are responsible for the safety of their own work and team's work.

Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:

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Written test, open questions and some closed ones, minimum 50 % na zaliczenie Scale of grade: 100-91% - 5,0; 90-81% - 4,5; 80-71% - 4,0; 70-61% - 3,5; 60-50% - 3,0; <49% - 2,0

Programme content

Sustainable Development Goals, ESG (a perspective on management in environmental, social and corporate aspects.)

Course topics

Introduction to the issues of sustainable development. Definitions, guidelines. Sustainable construction. Psychology, quality of life in the context of the concept of sustainable development The concept of sustainable development and mental functioning in the context of a modern lifestyle? Future competences

Teaching methods

information lecture - multimedia presentation, "external dialogue" between the lecturer and the student; students participate in solving the problem

Bibliography

Basic

Piątek Z., Człowiek jako podmiot zrównoważonego rozwoju: konsekwencje filozoficzno--społeczne, w: Papuziński A. (red.), Zrównoważony rozwój. Od utopii do praw człowieka, Bydgoszcz 2005.

Ewa Olejarczyk, Zasada Zrównoważonego rozwoju w systemie prawa polskiego ? wybrane Zagadnienia Rezolucja Zgromadzenia Ogólnego A/RES/70/1: Agenda na Rzecz Zrównoważonego Rozwoju 2030, <http://www.un.org.pl/>

Jasiczak Józef, Szczeszek (Kucz) Marlena, Waste concrete as a source of aggregate , Concrete International Engineering, October 1999 , opracowanie w ramach działalności statutowej IKB PP - 11-752 / 99 DS.

Piątek Z., Człowiek jako podmiot zrównoważonego rozwoju: konsekwencje filozoficzno--społeczne, w: Papuziński A. (red.), Zrównoważony rozwój. Od utopii do praw człowieka, Bydgoszcz 2005.

Ewa Olejarczyk, Zasada Zrównoważonego rozwoju w systemie prawa polskiego ? wybrane Zagadnienia Rezolucja Zgromadzenia Ogólnego A/RES/70/1: Agenda na Rzecz Zrównoważonego Rozwoju 2030, <http://www.un.org.pl/>

Additional

KSIT Barbara, KUCZ Marlena, Historyczne budownictwo ekologiczne na podstawie konstrukcji torfowych w Islandii, Inżynier budownictwa, nr 1 /2015

Breakdown of average student's workload

	Hours	ECTS
Total workload	30	1,00
Classes requiring direct contact with the teacher	15	0,50
Student's own work (literature studies, preparation for laboratory classes/ tutorials, preparation for tests/exam, project preparation)	15	0,50