

Course title: Virtual prototyping of devices – project Code 0712 Wirtualne prototypowanie urządzeń - projekt		
Field of study: Environmental Engineering		
Type of study: full-time studies	The level of education: second-cycle studies	Education profile: general academic
Type of subject: obligatory for Education in the area - Intelligent Energy For Environmental Protection	Semester: II	Course language: English
Course type: project	Number of hours: 30P	ECTS Credit points: 2

SYLLABUS

COURSE OBJECTIVES

- C.1. Extension of knowledge in the field of devices design techniques
- C.2. Acquiring of skills of using computer tools for devices design
- C.3. Acquiring of skills of creative design of devices prototypes

Kliknij lub naciśnij tutaj, aby wprowadzić tekst.

PRELIMINARY COURSE REQUIREMENTS FOR KNOWLEDGE, SKILLS AND OTHER COMPETENCES

1. The knowledge on devices construction
2. Skills in using computer software tools
3. The ability to use literature sources

Kliknij lub naciśnij tutaj, aby wprowadzić tekst.

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SUBJECT EDUCATIONAL EFFECTS

EU 1 - Student has extended knowledge in the field of devices design techniques

EU 2 - Student is able to use computer software for computer added design

EU 3 - Student acquired skills of creative prototyping of devices with use of software for computer added design

Kliknij lub naciśnij tutaj, aby wprowadzić tekst.

COURSE CONTENT

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Form of classes - project	Hours
Explanation of project aim. Providing students with individual tasks and data, as well as with necessary directives. Explanation of individual tasks.	2
Realisation of insividual project tasks	24
Project's defence	4
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COURSE STUDY METHODS

1. interactive whiteboard
2. presentation
3. Kliknij lub naciśnij tutaj, aby wprowadzić tekst.
4. Kliknij lub naciśnij tutaj, aby wprowadzić tekst.

METHODS OF ASSESMENT (F - formative; S - summative)

F1. – activity in classes
F2. – preparation for classes
F3. - Kliknij lub naciśnij tutaj, aby wprowadzić tekst.
S1. – assessment of individual projects
S2. – project's defence
S3. - Kliknij lub naciśnij tutaj, aby wprowadzić tekst.

STUDENT WORKLOAD

Form of activity	Workload (hours)
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SUBJECT COORDINATOR (NAME, SURNAME, E-MAIL ADDRESS)

1. Marcin Panowski, marcin.panowski@pcz.pl
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NAME OF LECTURER (s) (NAME, SURNAME, E-MAIL ADDRESS)

1. Marcin Panowski, marcin.panowski@pcz.pl Kliknij lub naciśnij tutaj, aby wprowadzić tekst. Kliknij lub naciśnij tutaj, aby wprowadzić tekst. Kliknij lub naciśnij tutaj, aby wprowadzić tekst.

Learning outcome	In relation to the learning outcomes specified for the field of study	Course objectives	Course content	Course study methods	Methods of assessment
EU 1	K_W02, K_U03, K_K04, K_K05	C.1. – C.3.	project	1, 2	F1., F2., S1., S2.
EU 2	K_W02, K_U03, K_K04, K_K05	C.1. – C.3.	project	1, 2	F1., F2., S1., S2.
EU 3	K_W02, K_U03, K_K04, K_K05	C.1. – C.3.	project	1, 2	F1., F2., S1., S2.
EU 4	...	...	...	...	...
EU 5	...	...	...	...	...
EU 6	...	...	...	...	...
EU 7	...	...	...	...	...

OTHER USEFUL INFORMATION

1. All the information on the class schedule is posted on the student information board and online at: <https://is.pcz.pl/>.

2. The information about the consultation hours is provided to students on the first class meeting and posted online at <https://is.pcz.pl/>.
3. The information on course completion and grade is provided to students on the first class meeting.