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Oferta PJO*	TAK / NIE**
Oferta PJOE*	TAK / NIE**
Kierunek, rok, stopień dla PJO	
Semestr roku 2021/2022	zimowy / letni**

* PJO – przedmiot w języku obcym dla studentów polskich / PJOE – przedmiot w języku obcym dla studentów Erasmus+

** zostawić właściwe

BASIC INFORMATION ABOUT THE SUBJECT (INDEPENDENT OF THE CYCLE)

Module name	<i>Design Thinking</i>
Erasmus code	
ISCED code	
Language of instruction	English
Website	http://www.umcs.pl/pl/adres-book-employee.860.pl.html
Prerequisites	Basic knowledge of management
ECTS points hour equivalents	<p>15 Contact hours (work with an academic teacher)</p> <p>15 Total number of hours with an academic teacher</p> <p>3 Number of ECTS points with an academic teacher</p> <p>10 Non-contact hours (students' own work)</p> <p>10 Total number of non-contact hours</p> <p>0 Number of ECTS points for non-contact hours</p> <p>3 Total number of ECTS points for the module</p>
Educational outcomes verification methods	test, group project
Description	<p>The classes will be based on theoretical and practical (workshop) approach, through each of the stages of design thinking with the actual design challenge, which will be finalized by the generation of an innovative idea by project groups.</p> <p>The course contains the knowledge and methods required to run design thinking process. Students will learn about stages of Design Thinking: empathize, define, ideate, prototype and test.</p>
Reading list	<ol style="list-style-type: none"> 1. Tim Brown, (2019) Change By Design 2. Tom Kelley (2016), The Art Of Innovation : Lessons in Creativity From IDEO, America's Leading Design Firm, 3. Ney, S., Meinel, C., Meinel, C., Meinel, C., Meinel, C., & Meinel, C. (2019). <i>Putting Design Thinking to Work</i>. Springer International Publishing. 4. Hasso Plattner Institute of Design at Stanford. (2010). An introduction to design thinking: process guide. 5. Woolery, E. (2019). Design thinking handbook.
Educational outcomes	<p>Knowledge:</p> <ol style="list-style-type: none"> 1. Theory of design thinking and innovations

	<ol style="list-style-type: none"> 2. Design thinking as a method of creative problem solving 3. Case study of Design Thinking 4. Stages of Design Thinking. <ul style="list-style-type: none"> • Empathize,. • Define. • Ideate. • Prototype. • Test 5. Tools of Design Thinking 6. Practical project <p>Skills:</p> <ol style="list-style-type: none"> 1. Determine the characteristics of the customers for which the product is designed. 2. Specify the user need. 3. Generate creative ideas 4. Prototyping and testing <p>Attitudes:</p> <ol style="list-style-type: none"> 1. Proper attitude toward innovations 2. Self-awareness and openness to change
Practice	Case study