Course title:	Design thinking in shaping innovative products and services
Course title in Polish:	Design thinking w kształtowaniu innowacyjnych produktów i usług
Course for discipline:	Management and Quality Sciences

Semester:	6	**Status of course:**	faculty	**Language:**	english
Academic year:		**Catalog number:**			

Coordinator of course:	Dr Olena Kulykovets
Lecturer od course:	Dr Olena Kulykovets
Executing unit:	Management Institute
Ordering unit:	Doctoral School SGGW
Assumptions, goals and description of the course:	Assumptions and goals: 1. Familiarizing participants with creative problem-solving methods and tools supporting the implementation of individual stages of the design thinking process. 2. Familiarization with the work method according to the design thinking concept in interdisciplinary teams. 3. Stimulating creativity through interactive exercises. 4. Developing problem-solving skills through unconventional solutions for different areas of activity. Description: Design thinking is a method of finding a solution based on user experience. Its essence is the use of creative problem-solving methods in the process of innovative product, and service development. Thanks to Design Thinking, it is possible to create new products (both material goods, and services) based on a deep understanding of users' problems and needs. DT enables you to look at the problem from many perspectives thanks to cooperation in an interdisciplinary team, look for new solutions, and go beyond the established patterns. Design thinking allows you to quickly build prototypes and frequently collect feedback from users. Design Thinking, due to its universal nature, has a wide range of applications wherever we deal with problems that do not have one obvious solution or rigid framework.
Didactic form, number of hours:	Workshop, 10h
Teaching methods:	Discussion, case study, brain storm, multimedia presentation

Learning outcomes

KNOWLEDGE - the graduate knows and understands:	**SKILLS - the graduate is able to:**	**COMPETENCES - the graduate is ready to:**
To the extent enabling to revise the existing pradigms in the field/discipline - the world achievments, gathering theoretical background as well as general and selected detailed issues	Carry out critical assessment of the scientific research findings and expert activities and their contribution to the knowledge development in the field/discipline	Critically evaluate the achievments in the field/discipline represented
Major general development trends in the field/discipline		Recognise knowledge in solving cognitive and practical problems characteristic for the area of research (field/discipline) and in an interdisciplinary aspect
		Support the ethos of scientific circles and conduct independent research

The method of verification of learning outcomes:	Project work
Form of documentation of achieved learning outcomes:	Student attendance list, project work
Elements and weights of the final grade:	Project work - 100%
Place of the course:	Teaching room

Basic and supplementary literature

1. Emrah Yayici, 2016: Design Thinking Methodology Book. Wyd. ArtBizTech.
2. Langenfield Kilian, 2019: Design Thinking for Beginners. Innovation as a factor for entrepreneurial success. Wyd. Tim Ong.
3. Michael Lewrick, 2022: Design Thinking for Business Growth: How to Design and Scale Business Models and Business Ecosystem. John Wiley & Sons, Inc.
4. Morgan Tony, Lena J. Jaspersen, 2022: Design Thinking for Student Projects. Sage Publications.

Comments:	No comments

Estimated number of hours of work of the doctoral student necessary to achieve the assumed learning outcomes:	

Leraning outcomes reference to the second degree characteristics of the National Qualification Framework (level 8) covering doctoral competences:

Symbol:	**Learning outcomes:**	**8 level NQF**
SD1_KW01	To the extent enabling to revise the existing pradigms in the field/discipline - the world achievments, gathering theoretical background as well as general and selected detailed issues	P8S_WG
SD1_KW02	Major general development trends in the field/discipline	P8S_WG
SD1_KU05	Carry out critical assessment of the scientific research findings and expert activities and their contribution to the knowledge development in the field/discipline	P8S_UW
SD1_KK01	Critically evaluate the achievments in the field/discipline represented	P8S_KK

SD1_KK03	Recognise knowledge in solving cognitive and practical problems characteristic for the area of research (field/discipline) and in an interdisciplinary aspect	P8S_KK
SD1_KK08	Support the ethos of scientific circles and conduct independent research	P8S_KR