DOCTORAL SCHOOL OF WROCŁAW UNIVERSITY OF SCIENCE AND TECHNOLOGY

SUPERVISOR/TEAM/ DECLARING/CONDUCTING COURSE: Prof. Ngoc Thanh Nguyen, Prof. D.Sc, Ph.D.
DEPARTMENT W8/K1

COURSE CARD

Course name in Polish: *Seminarium interdyscyplinarne – zarządzanie wiedzą.*
Course name in English: *Interdisciplinary seminar – knowledge management.*
Course language ~~Polish~~ / **English***
University-wide general course type*:
3) seminar in discipline or interdisciplinary: …………………………………………………

Subject code: ITQ100142S

* delete as applicable

	Lecture	Foreign language course	Seminar	Mixed forms
Number of hours of organized classes in university (ZZU)			15	
Grading			Oral presentation	

PREREQUISITES RELATING TO KNOWLEDGE, SKILLS AND OTHER COMPETENCES

1. General knowledge about knowledge processing tools
2. General knowledge about multiagent systems, autonomous systems
3. General knowledge about decision-making processes

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COURSE OBJECTIVES
C1 Providing participants with knowledge on methods and tools for knowledge management
C2 Providing the ability to present and conduct discourse

PROGRAM CONTENTS

Form of classes – seminar (Sem)		Number of hours
Sem1	Introduction to knowledge management	1
Sem2	Knowledge management in multi-agent systems	2
Sem3	Knowledge management in decision-making processes in enterprises	2
Sem4	Knowledge management in project management	2
Sem5	Knowledge management in autonomous systems	2

Sem6	Collective knowledge management	2
Sem7	Semantic tools for knowledge processing	2
Sem8	Discovering knowledge from large datasets	2
	Total hours:	15

TEACHING TOOLS USED
N1. Preparation and presentation tools, eg Powerpoint program N2. E-learning platform

ACHIEVED SUBJECT LEARNING OUTCOMES		
Type of learning outcome	Code of learning outcome	Assessment of learning outcome
Knowledge	P8S_WG world achievements including: • theoretical basics • general issues and selected specific issues relevant to the scientific or artistic discipline, to the extent enabling the revision of existing paradigms;	Assessment based on the presentation and activity in the discussion
Knowledge	P8S_WG general issues and selected specific issues specific to the scientific or artistic discipline, to the extent enabling revision of existing paradigms;	Assessment based on the presentation and activity in the discussion
Skills	P8S_UW use knowledge from various fields of science or art to creatively identify, formulate and innovatively solve complex problems or perform research tasks, in particular: • define the purpose and subject of research, formulate a research hypothesis; • develop methods, techniques and research tools and apply them creatively; • conclude on the basis of the test results	Assessment based on the presentation and activity in the discussion
Skills	P8S_UK disseminate research results, also in popular forms;	Assessment based on the presentation and activity in the discussion
Skills	P8S_UK to initiate the debate; participate in scientific discourse;	Assessment based on the presentation and activity in the discussion
Skills	PS8_UU plan and implement your own development and inspire and organize the development of other people	Assessment based on the presentation and activity in the discussion
Social competence	P8S_KK critically evaluate its own contribution to the development of this discipline;	Assessment based on the presentation and activity in the discussion

Social competence	P8S_KO thinking and acting in an entrepreneurial way	Assessment based on the presentation and activity in the discussion
Social competence	P8S_KR respecting the principle of public ownership of research results, taking into account the principles of intellectual property protection	Assessment based on the presentation and activity in the discussion

PRIMARY AND SECONDARY LITERATURE

PRIMARY LITERATURE:

[1]   Ashok Jashapara: Knowledge Management: An Integrated Approach (2nd Edition). PWE 2018
[2]   Dariusz Jemielniak, Andrzej K. Koźmiński: Zarządzanie wiedzą. Wydawnictwa Akademickie i Profesjonalne 2018
[3]   Ngoc Thanh Nguyen: Advanced Methods for Inconsistent Knowledge Management. Springer London 2008.

SECONDARY LITERATURE:

[1]
[2]
[3]

SUBJECT SUPERVISOR (NAME AND SURNAME, E-MAIL ADDRESS)