DOCTORAL SCHOOL OF WROCŁAW UNIVERSITY OF SCIENCE AND TECHNOLOGY

SUPERVISOR/TEAM/ DECLARING/CONDUCTING COURSE: Halina Kwaśnicka
DEPARTMENT: Department of IT and Management W8
SCIENTIFIC DISCIPLINE: Technical information and telecommunications

COURSE CARD

Course name in Polish: Inteligentne techniki i ich zastosowania
Course name in English: Intelligent Techniques and their applications
Course language ~~Polish~~ / English*
University-wide general course type
The course is intended for all PhD students: YES ~~/ NO~~
~~1) BASIC COURSE~~
~~2) SPECIALIST COURSE~~
3) SEMINAR
~~4) HUMANISTIC COURSE~~
~~5) LANGUAGE~~

Subject code: ITQ100079S

* delete as applicable

	Lecture	Foreign language course	Seminar	Mixed forms
Number of hours of organized classes in university (ZZU)			15	
Grading	Exam	Exam	Oral presentation	
Number of ECTS points			0	

PREREQUISITES RELATING TO KNOWLEDGE, SKILLS AND OTHER COMPETENCES

1. Basic knowledge on a selected area of artificial intelligence, e.g. machine learning, knowledge engineering, metaheuristics, ...
2. The ability to search for scientific information on a given topic
3. Skill in preparation a and oral presentation on a given topic

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COURSE OBJECTIVES

C1 Getting to know the intelligent methods and their applications in the area subject to the PhD student's research
C2 Getting to know the potential applications of different intelligent methods in various practical issues
C3 Improving the skill of scientific discourse

PROGRAM CONTENTS

Form of classes – seminar (Sem)		Number of hours
Sem1	Discussing the purpose, scope and manner of the seminar implementation, setting the dates and topics of the papers	2
Sem2	Individual presentations of topics related to the study area of a PhD student	12
Sem3	Summary of classes	1
	Total hours:	15

TEACHING TOOLS USED
N1. Projector and other audiovisual media, depending on needs and possibilities N2. Panel discussions, as time is available (after the speeches of all participants of the course)

ACHIEVED SUBJECT LEARNING OUTCOMES		
Type of learning outcome	Code of learning outcome	Assessment of learning outcome
Knowledge	P8S_WG	Assessment of the content of the presentation
Skills	P8S_UW	Assessment of activity and argumentation in the discussion part of the class
Social competence	P8S_UK	Evaluation of the clarity and presentation method

PRIMARY AND SECONDARY LITERATURE

PRIMARY LITERATURE:

[1] Current scientific publications, including articles in journals with a high impact factor. Examples of titles are: EEE Transactions on Industrial Informatics, IEEE Transactions on Neural Networks and Learning Systems, Artificial Intelligence Review, IEEE Transactions on Pattern Analysis and Machine Intelligence, Artificial Intelligence, Knowledge-Based Systems, and any other journals that are important in the scientific community.

[2] Current conference publications of scientific conferences that are important in the world scientific community.

SECONDARY LITERATURE:

[1] Any sources on: How to prepare and well present a scientific presentation.

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

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