COURSE DESCRIPTION CARD - SYLLABUS

Course name
Pre-diploma Seminar [S2SI1E>SEM1]

Course

Field of study
Artificial Intelligence

Year/Semester
1/2

Area of study (specialization)
–

Profile of study
general academic

Level of study
second-cycle

Course offered in
english

Form of study
full-time

Requirements
compulsory

Number of hours

Lecture
0

Laboratory classes
0

Other (e.g. online)
0

Tutorials
0

Projects/seminars
30

Number of credit points

2,00

Coordinators

dr inż. Jędrzej Potoniec
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Lecturers

Prerequisites

A student can use the LaTeX typesetting system and a tool of their choice to prepare multimedia presentations. In terms of social competencies, the student must present attitudes such as honesty, responsibility, perseverance, cognitive curiosity, creativity, personal culture, respect for other people.

Course objective

Preparing students for thesis work, with particular emphasis on literature studies.

Course-related learning outcomes

Knowledge
The student has an in-depth knowledge of the issues concerning his/her future thesis. (K2st_W4)
The student knows the structure of a "structured abstract" and the protocol of a systematic literature review. (K2st_W6)
The student has basic knowledge of intellectual property and the phenomenon of plagiarism. (K2st_W7)

Skills
The student is able to conduct a literature study based on a systematic literature review. (K2st_U1)

The student is able to select appropriate bibiographical databases and formulate queries related to the research questions. (K2s_U2)
The student is able to discuss in information technology topics (K2s_U12).
The student is able to prepare and deliver a presentation. (K2s_U13)
The student is able to act as a reviewer and point out possible weaknesses in the SLR protocol (K2s_U15)
The student is able to independently acquire the knowledge needed to write a thesis. (K2st_U16)

Social competences
The student realizes the rapid growth of knowledge and how quickly his achievements can become obsolete. (K2st_K1)
The student realizes the importance - from a practical point of view - of using the latest knowledge. (K2st_K2)
The student realizes how important it is - also for himself - to share knowledge with others. (K2st_K3)
3
The student realizes the consequences of plagiarism. (K2st_K4)

Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:

Formative evaluation:
- based on participation in discussions.
Summative evaluation:
- development of a working version of a "structured abstract" for the future thesis (a prerequisite for credit),
- preparation of an SLR (Systematic Literature Review) protocol and development of a review of such a protocol for another member of the group (prerequisite for credit),
- execution of SLR according to the developed protocol (prerequisite for credit),
- slide-assisted presentations reporting on the progress of the thesis (grading on a scale in accordance with the "Study Regulations").

Programme content

1. Discussion of the current graduation rules and procedure.
2. presentation of the basic requirements for diploma theses.
3. discussion of the principles of creating abstracts.
4. Discussion of the principles of performing a systematic literature review.
5. Discussion of the main bibliographic sources in artificial intelligence.
6. Discuss the basic types of bibliographic items based on
BibTeX (conference article, journal article, book, Internet source, other).
7. Presentation of the progress of the work of individual students and discussion of the concepts presented.

Teaching methods

Multimedia presentation, discussion.

Bibliography

Basic
1. Automation of systematic literature reviews: A systematic literature review, Dinter R., Tekinerdogan B., Catal C., Information and Software Technology 136: 106589, 2021 (https://doi.org/10.1016/j.infsof.2021.106589).
2. How-to conduct a systematic literature review: A quick guide for computer science research, Carrera-Rivera A., Ochoa W., Larrinaga F., Lasa G., MethodsX 9: 101895, 2022 (https://doi.org/10.1016/j.mex.2022.101895).

Breakdown of average student's workload

	Hours	ECTS
Total workload	50	2,00
Classes requiring direct contact with the teacher	30	1,00
Student's own work (literature studies, preparation for laboratory classes/ tutorials, preparation for tests/exam, project preparation)	20	1,00