COURSE DESCRIPTION CARD - SYLLABUS

Course name
Pre-diploma Seminar [S2Inf1-GiTI>SEMPD]

Course

Field of study
Computing

Year/Semester
1/2

Area of study (specialization)
Games and Internet Technologies

Profile of study
general academic

Level of study
second-cycle

Course offered in
Polish

Form of study
full-time

Requirements
compulsory

Number of hours

Lecture
0

Laboratory classes
0

Other
0

Tutorials
0

Projects/seminars
30

Number of credit points

2,00

Coordinators

prof. dr hab. inż. Małgorzata Sterna
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Lecturers

Prerequisites

A student should have basic knowledge of computing science gained during his/her studies. Ability to present his/her knowledge and ideas in logical and substantively correct way, preparing multimedia presentations using tools such as Power Point and gaining information from various sources. A student should be aware of the necessity to gain new competences following advances of science and technology.

Course objective

Presentation of general rules of preparing the diploma thesis and the graduation procedure. Presentation of the idea of systematic literature review and rules of designing reference lists. Ongoing control and stimulation of planning and then systematic work on the diploma thesis. Enabling students to present the initial assumptions of their diploma projects, the plan of systematic literature review related to chosen topic, and the results of this survey. Improving students' ability to publicly present their own concepts and results of work using modern technologies and tools. Developing students' ability to precisely formulate and express their thoughts and to conduct conclusions.

Course-related learning outcomes

Knowledge:

The student has an in-depth knowledge of the issues concerning his/her future thesis. (k2st_w4)
He/she knows how to write a structured abstract and how to perform 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)
He/she is able to select appropriate bibliographical databases and formulate queries related to the research questions. (k2s_u2)
The student is able to discuss in information technology topics. (k2s_u12)
He/she is able to prepare and deliver a presentation. (k2s_u13)
The student is able to provide critical remarks and show points of weakness in concepts presented by other people. (k2s_u15)
He/she 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/her achievements can become obsolete. (k2st_k1)
He/she realizes the importance - from a practical point of view - of using the latest knowledge. (k2st_k2)
The student is aware how important it is - also for himself/herself - to share knowledge with others. (k2st_k3)
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.

Cummulative evaluation based on:
- evaluation of two slide-assisted presentations:
1. presenting the goal and scope of the thesis, the main components of the thesis and tasks to be completed,
2. the plan and results of Systematic Literature Reviews,
- evaluation of the exemplary bibliography, prepared according to a selected reference style.

Grading according to the scale given in "Study Regulations".

Programme content

Pre-diploma Seminar supports the process of choosing the topic of Master Thesis and the process of planning and conducting work on these thesis, focused on the literature review.
The module presents rules of graduation, guidelines for writing master thesis, guidelines for preparing presentations and conducting literature review.

Course topics

1. Presenting rules of graduation.
2. Presenting the basic requirements for diploma theses.
3. Overview of writing structured abstracts.
4. Most popular sources of scientific literature available on-line and their usage.
5. Guidelines for performing Systematic Literature Reviews.
6. Most popular reference styles.
7. Guidelines for preparing multimedia presentations in terms of their content and methodology.
8. Presentations of the progress of individual students' work and discussion of the presented concepts.
9. Presentations of the plans and results of Systematic Literature Reviews followed by discussions.

Teaching methods

Multimedia presentations with a discussion of key documents related to the graduation process and other

presented issues.

Discussion on students' presentations and on their concepts of diploma projects and plans as well results of literature reviews.

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).

Additional
1. Dobre rady dla piszących teksty naukowe, Lindsay D., Wrocław: Politechnika Wrocławska, 1995.
2. Jak pisać pracę magisterską: poradnik dla studentów, Węglińska M., Kraków : Oficyna Wydawnicza Impuls, 2005.
3. Jak pisać teksty naukowe? Maćkiewicz J., Gdańsk: Wydawnictwo Uniwersytetu Gdańskiego, 2001.

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