POZNAN UNIVERSITY OF TECHNOLOGY

EUROPEAN CREDIT TRANSFER AND ACCUMULATION SYSTEM (ECTS)

COURSE DESCRIPTION CARD - SYLLABUS

Course name
Searching for scientific literature [S2MiBM2>WLN]

Course

Field of study
Mechanical Engineering

Year/Semester
1/2

Area of study (specialization)
Virtual Engineering Design

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
2

Number of credit points
0,00

Coordinators

mgr Łukasz Jeszke
lukasz.jeszke@put.poznan.pl

Lecturers

Prerequisites

Basic principles of using the library collection. The skills to search databases and the Internet. Awareness of the need to develop the ability to obtain the necessary materials in the learning process.

Course objective

Development of the ability to search for publications and information in terms of the thesis and development of the students' information workshop. Orientation to the characteristics of the thesis topics taken up.

Course-related learning outcomes

Knowledge:
One has a knowledge of industrial property protection, copyright, and intellectual property management, and is able to use patent property resources.

Skills:
One can obtain information from the Internet, literature, databases and other properly selected sources (mainly in English or another foreign language recognized as the language of international

communication) in the field of mechanical engineering. One also is able to integrate the obtained information, interpret it, as well as to draw conclusions or formulate and justify opinions.

Social competences:
One is aware of the social role of a technical university graduate, understands the need to formulate and convey to the society information and opinions on technological achievements and other aspects of engineering activities; makes efforts to provide such information and opinions in a generally comprehensible manner, justifying different points of view.

Methods for verifying learning outcomes and assessment criteria
Learning outcomes presented above are verified as follows:

Attendance at classes is a prerequisite for credit.

Programme content

Reminder of general information on access to library collections.
Detailed information about accessing and conditions of use of electronic resources.
Methods of creating simple and advanced search strategies on the basis of print and electronic resources for a given field of study / specialization.
Tools to support access and retrieval of information in licensed and open access resources, taking into account the specific field of study.
Bibliography management based on available software.

Course topics

- Access and terms of use of electronic resources (reminder)
- Informed use of search engines, an overview of tools of this type in the world
- Importance of properly prepared keywords, taking into account the specificity of the databases and subject
- Advanced search operators, narrowing of results
- Examples of keyword selection and typical mistakes
- Sources for publications in Polish and in foreign languages, with the expansion of resources for a specific field of study
- Expanding the catalog of search databases useful for higher years of study
- Methods for obtaining the full text of publications
- Tools supporting bibliography management by example (EndNote Basic software)

Teaching methods

Practice: multimedia presentation with examples and solutions to problems that appear among library users. Examples of searching for resources, including non-standard ones. Discussion focused on current challenges of searching scientific publications.

Bibliography

1. Printed and electronic resources available through the website of the Library of the Poznań University of Technology, accessed at http://www.library.put.poznan.pl.
2. access and terms and conditions of use of the e-sources, access: https://library.put.poznan.pl/dostep-i-warunki
3. Training materials: https://library.put.poznan.pl/materialy-informacyjne
4. Materials on Open Access: https://library.put.poznan.pl/open-access
5. Purdue Online Writing Lab, https://owl.purdue.edu/owl/purdue_owl.html

Breakdown of average student's workload

	Hours	ECTS
Total workload	2	0,00
Classes requiring direct contact with the teacher	2	0,00
Student's own work (literature studies, preparation for laboratory classes/ tutorials, preparation for tests/exam, project preparation)	0	0,00