

**Module/Course Syllabus**  
**Program: COMPUTER SCIENCE**  
 Full-time master degree program

<b>Course:</b>	<b>Science Information</b>
<b>Type of the course:</b>	Directional
<b>Course code:</b>	I2S1.01
<b>Year:</b>	I
<b>Semester:</b>	1
<b>Form of the degree program:</b>	full-time
<b>Form of classes and number of hours per semester:</b>	5
lecture	0
exercises	5
<b>Number of ECTS credits:</b>	0
<b>Form of assessment:</b>	course completion assessment
<b>Course language:</b>	English

<b>Course objective (CO)</b>	
<b>CO1</b>	To familiarise students with the sources of scientific information, including printed and electronic resources of the LUT Library and electronic information resources available on the Internet.
<b>CO2</b>	Presentation of methods of searching for literature in electronic resources.
<b>CO3</b>	Getting to know the methods of managing scientific information collected from various sources (literature management software).
<b>CO4</b>	Presentation of methods of verification of search results, their selection and use in work in accordance with the principles of ethics and copyright law.
<b>CO5</b>	Learning the principles of creating an attached bibliography and using the bibliography manager.
<b>CO6</b>	Familiarisation with the sources of standardisation and patent information.

<b>Prerequisites in terms of knowledge, skills and other competencies</b>	
<b>1</b>	Knowledge of computer operation.
<b>2</b>	Knowledge of basic information techniques.

<b>Learning outcomes (LO)</b>	
	In terms of knowledge:
<b>LO 1</b>	Has the knowledge necessary to use the printed collections of the Library of the Lublin University of Technology.
<b>LO 2</b>	Has the knowledge necessary to use knowledge portals, digital libraries, databases and scientific websites.
	In terms of skills:
<b>LO 3</b>	Has the ability to use search tools for computer library catalogs, electronic knowledge resources and databases.
<b>LO 4</b>	Has the ability to organise his information workshop necessary for scientific work.
	In terms of social competence:
<b>LO 5</b>	Has the competence to consciously choose and use printed library resources and electronic resources, necessary in the process of education and self-education.

Course content	
Form of classes - exercises (Ex)	
	Course content
Ex1	General information about information resources. Types of information sources. Printed and electronic sources of scientific information. Information retrieval languages. Domain classification on the example of selected databases. Keyword indexes. Rules for creating queries using Boolean operators. Basic and Advanced Google Scholar Search.
Ex2	Central catalogues in Poland and in the world - NUKAT, KaRo, WorldCat - presentation of catalogs and their role in locating sources. Sample searches.
Ex3	Library catalogues and bibliographic databases - similarities and differences.
Ex4	Digital libraries. Collections of scripts, textbooks and theses.
Ex5	University repositories and other Open Access resources.
Ex6	Full-text databases: e-journals and e-books, E-Reading Room on the website of the Library of the Lublin University of Technology.
Ex7	Standardisation and patent information. Presentation of standardisation and patent databases (Polish, European, American).
Ex8	Use of literature in accordance with the principles of scientific ethics and respect for copyright. Attached bibliography: bibliographic description, citations and footnotes.
Ex9	Possibilities of saving data, creating alerts, exporting data to other programs. Locate and access searched sources.
Ex10	Creating own bibliographic databases. Literature management - bibliography manager.
Ex11	Searching for literature in catalogs, digital libraries and databases.
Ex12	Selection and verification of found documents.
Ex13	Creating a bibliographic description in the attached bibliography.
Ex14	Downloading data descriptions and saving them to the bibliography manager.
Ex15	General information about information resources. Types of information sources. Printed and electronic sources of scientific information. Information retrieval languages. Domain classification on the example of selected databases. Keyword indexes. Rules for creating queries using Boolean operators. Basic and Advanced Google Scholar Search.
Ex16	Central catalogues in Poland and in the world - NUKAT, KaRo, WorldCat - presentation of catalogs and their role in locating sources. Sample searches.

Didactic methods	
1	Classes

Assessment methods and criteria		
Assessment method symbol	Assessment method description	Passing threshold
A1	Pass from classes	70%

Required textbooks and other course materials	
1	Diploma from the Internet: how to use the Internet when writing diploma theses? / Kazimierz Pawlik, Radosław Zenderowski. Warszawa, 2013.
Recommended textbooks and other course materials	
1	<a href="http://biblioteka.pollub.pl">http://biblioteka.pollub.pl</a>

Student workload	
Form of activity	Average number of hours to

	<b>complete the activity</b>
<b>Contact hours with the lecturer, including:</b>	5
<i>participation in exercises</i>	5
<b>Total student workload</b>	5
<b>Total number of ECTS credits</b>	0

<b>Learning outcomes matrix</b>					
<b>Learning outcome</b>	<b>Reference to learning outcomes defined for the master's program</b>	<b>Course objectives</b>	<b>Course content</b>	<b>Didactic methods</b>	<b>Assessment methods</b>
LO1	I2A_W11 +++	LO1 - LO 6	Ex1 - Ex16	1	A1
LO2	I2A_W11 +++	LO1 - LO 6	Ex1 - Ex16	1	A1
LO3	I2A_W11 +++ I2A_U01 +++	LO1 - LO 6	Ex1 - Ex16	1	A1
LO4	I2A_W11 +++ I2A_U01 +++	LO1 - LO 6	Ex1 - Ex16	1	A1
LO5	I2A_K01 +++ I2A_K02 ++	LO1 - LO 6	Ex1 - Ex16	1	A1

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