



JAGIELLONIAN
UNIVERSITY
IN KRAKÓW

Scientific information acquisition

Educational subject description sheet

Basic information

Field of study Joint Bachelor in Sustainability		Education cycle 2025/26	
Speciality -		Subject code UJ.WPAJBSS.810.02468.25	
Organizational unit Faculty of Law and Administration		Lecture languages english	
Study level first cycle (joint degree programme)		Disciplines Informatics	
Study form full-time degree programme		ISCED classification 0611 Computer use	
Education profile General academic		USOS code	
Mandatory obligatory			
Subject coordinator	Bogusław Kołodziej		
Lecturer	Bogusław Kołodziej		
Period Semester 1	Examination assessment	Number of ECTS points 1.0	
	Activities and hours Lecture with elements of a discussion class: 10		

Goals

C1	Transfer of knowledge in the field of obtaining scientific information while maintaining the rights to data and works.
----	--

Subject's learning outcomes

Code	Outcomes in terms of	Effects	Examination methods
Knowledge - Student knows and understands:			
W1	methods of collecting and sharing data; types of scientific publications and licences for their sharing; methods and tools for searching for scientific information; the importance of intellectual property protection; good citation practices.	JBS_K1_W07	credit
Skills - Student can:			
U1	find sources of information and scientific articles; cite sources accordingly.	JBS_K1_U01, JBS_K1_U03	credit
Social competences - Student is ready for:			
K1	defend the importance of economic and geographical data and methods as a basis for decision-making, especially in the context of public policies	JBS_K1_K04, JBS_K1_K05	credit

Calculation of ECTS points

Activity form	Activity hours*
Lecture with elements of a discussion class	10
preparation for classes	10
exercises performance	5
Student workload	Hours 25
	ECTS 1.0

* hour means 45 minutes

Study content

No.	Course content	Subject's learning outcomes
1.	Introduction. The problem of the credibility of the source and false information. Public and subscribed databases. Journal rankings. Citations and copyrights.	W1, U1, K1
2.	Searching in open research data repositories such as Google Scholar (advanced search).	W1, U1, K1
3.	Searching in subscribed online databases (databases available to the students of the programme). Examples from natural and social sciences.	W1, U1, K1
4.	Searching in subscribed online databases (databases available to the students of the programme).	W1, U1, K1
5.	Searching in subscribed online databases (databases available to the students of the programme). Searching the internet for Creative Commons images other related stuff.	W1, U1, K1

Course advanced

Teaching methods :

conversation lecture, solving tasks, consultation

Activities	Examination methods	Credit conditions
Lecture with elements of a discussion class	credit	Pass/fail: attendance, completion of online tasks, passing the final quiz

Entry requirements

None

Literature

Obligatory

1. Penders B (2018) Ten simple rules for responsible referencing. PLoS Comput Biol 14(4): e1006036.
<https://doi.org/10.1371/journal.pcbi.1006036> Awesome Public Datasets. [Access: 8.04.2021]
<https://github.com/awesomedata/awesome-public-datasets>

Effects

Code	Content
JBS_K1_K04	The graduate can critically assess and verbalize own competencies and skills related to different aspects of sustainability as well as their need for development.
JBS_K1_K05	The graduate can defend the importance of scientific data and methods as a basis for decision-making.
JBS_K1_U01	The graduate can critically analyse academic literature, formulate research questions and conduct research under supervision.
JBS_K1_U03	The graduate can apply adequate methods and tools, including selected IT tools, to solve problems related to data collection, analysis, and management in the context of sustainability.
JBS_K1_W07	The graduate can apply the theory and methodology of disciplines included in the selected specialisation track to sustainability-related problems, taking into consideration practical limitations such as protection of intellectual property.