Information Literacy learning outcomes WUR BSc skills programme

An information literate student is able to search, find, evaluate, select, manage, and communicate scientific information. For Level 1 students will be trained in the basics of Information Literacy. During level 2 and 3 the skill will be further developed to intermediate and advanced level, respectively. At level 3 the information literate student is able to apply this skill independently during e.g. the preparation and finalization of their BSc thesis.

	Attainment level 1 The information literate student:	Attainment level 2 The information literate student:	Attainment level 3 The information literate student:
Orientate and prepare	- Identifies a need for information and describes, locates and accesses different sources for information with the aim to orientate on a topic. - Determines the main keywords of a topic in preparation of a search.	- Evaluates, documents and selects appropriate sources for information (e.g. bibliographic databases), with the aim to orientate on a topic and prepare for a systematic literature search. - Formulates a research question for a literature search and determines the main keywords of this question in preparation of a search.	- Applies Level 1 & 2 for a well-focused discipline-specific scientific project at BSc level, places their own work in the relevant scientific context of the relevant scientific field.
Search	- Performs a search using basic search techniques (e.g. Booleans, field and phrase searching, wildcards) and uses reference lists to find additional relevant information.	- Performs a search in various databases and platforms using systematic search strategies and applies "following a thread" to effectively and efficiently find relevant information (e.g. scientific articles, data, patents) and to improve the search query.	- Applies efficient and effective advanced systematic search strategies (e.g. using proximity operators, thesaurus, choice of databases and platform) to find relevant information.
Evaluate	- Evaluates the search results critically and uses a set of proper selection criteria to select the most appropriate information sources.	- Evaluates the search results critically, relates it to the original search question, and revises the search process if needed.	- Applies Level 1 & 2 plus advanced approaches to determine when to stop searching and to select the most appropriate information sources.
Manage	- Uses basic techniques to store and organize information sources and explains how to keep track of the search process for later repetition and improvement.	- Uses relevant software to store and organize information sources and keeps track of the search process for later repetition and improvement.	- Applies level 1 & 2, plus advanced techniques to keep track of the search process for later repetition and improvement (e.g. save search, set alert).
Communicate	- Cites information properly and consistently to avoid plagiarism and describes purposes for publishing in different information sources (e.g. academic journal, news article, blog post).	- Applies level 1 plus describes the difference between plagiarism and copyright infringement. - Describes the process of academic publishing.	- Cites information properly and consistently in a defined citation style using relevant software (e.g. Endnote, Mendeley). - Acquires, stores, modifies, uses, cites and distributes different kinds of information (text, data, images, sounds, etc.) strategically, legally and ethically.