

ENG-619

Information literacy for chemists

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Cursus	Sem.	Type
Chemistry and Chemical Engineering		Opt.

Language of teaching	English
Credits	0
Session	
Exam	Project report
Workload	0h
Hours	6
Courses	3
TP	3
Number of positions	24

Frequency

Every year

Remark

Next time Fall 2021

Summary

The course covers the essential chemical databases and search engines available at EPFL. New PhD students will acquire the skills to efficiently use these tools and the chemical literature, and apply these skills to their own research topics.

Content**Information sources and services at EPFL (1h)**

- scientific publications: articles, book, patents, reports, theses, databases
- using the scientific literature: online and offline access, document delivery...

Text searching (2h)

- understanding and designing search queries
- practical article searching using Scifinder

Chemical searching (3h)

- searching for chemical structures, reactions and properties using Scifinder, Reaxys, Chemspider and the Cambridge Structural Database

Keywords

Bibliographic databases
Chemical information

Learning Prerequisites**Important concepts to start the course**

General information literacy topics are addressed by other EPFL Library PhD modules (Web of Science & other databases, citation management, Open Access...)

Learning Outcomes

By the end of the course, the student must be able to:

- Select appropriately a tool for for a given information search
- Use this tool to locate the desired information
- Use the available library and IT services to access this information

Assessment methods

Personal report on searches relevant to PhD projects

Resources

Bibliography

Currano, J. *Chemical Information for Chemists : A Primer*, RSC: Cambridge, 2014.

Ridley, D. D. *Information Retrieval: SciFinder @*, 2nd ed.; Wiley: Chichester, 2009.

Ressources en bibliothèque

- [Information retrieval: Scifinder / Ridley](#)
- [Chemical information for chemists / Currano](#)