

ENG-619

**Information literacy for chemists**

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<b>Cursus</b>	<b>Sem.</b>	<b>Type</b>
Chemistry and Chemical Engineering		Obl.

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

**Frequency**

Every year

**Remark**

Next time: Fall 2019

**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

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