UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Further Linguistic Knowledge - Laboratory of Scientific English

2223-2-F5302Q031

Aims

Getting to know the tools to set up and manage a bibliography in the field of Materials science, and developing the ability to evaluate scientific literature critically.

Knowledge and understanding

- Identify and define a research topic effectively
- Learning the essential elements of Open Access

Applying knowledge and understanding

By the end of the course, students will be able to:

- select the most relevant resources to satisfy their research needs
- set up an effective query and develop a proper search strategy
- make the best use of resources and services provided by the Campus Library
- evaluate scholarly articles
- recognise and search the different standards of Open Access
- identify the elements of a citation and learn how to format it in the required style

Making judgements

Ability to evaluate the scientific quality of obtained results

Communication

Ability to write memoirs, articles and scientific reports according to the standards of the international scientific community

Lifelong learning skills

Ability to critically select scientific information

Contents

1. Set up the research question
2. Databases: selection and use
3. The library catalogue and services
4. Searching on the web
5. Keeping the repertoire uptodate
6. Open access: characteristics and standards
7. Evaluating bibliographic information
8. Managing citations

Detailed program

1) Set up the research question

- Visual maps
- Queries
- Search strategy

2) Databases

- what are their features and functions?
- Informative material on each resource/database:

1. arXiv
2. Scopus
3. Web of Science
4. Scifinder
5. Espacenet

- What if the document is not available in the library? Interlibrary services

3) Using the catalogue and the Library services

4) Searching on the web: pros and cons

Search engines: Google Scholar and Semantic Scholar: Open repositories: Academia.edu and ResearchGate

5) Keeping uptodate: RSS feed and alerts

6) Introduction to Open Access

7) Evaluating what you find

8) Bibliographic citations

Prerequisites

Teaching form

Blended learning: in presence meetings and online activities (both face to face meetings and individual tasks on the e-learning platform)

Textbook and teaching resource

Tutorial and online documentation

Semester

Second year, first semester

Assessment method

During the course students will be required to test their knowledge through online quizzes at the end of each teaching unit.

Also they will be asked to write reports and carry out tasks on different topics.

Office hours

Communication within the class will be continuous and will develop through a forum on the course page

Sustainable Development Goals

QUALITY EDUCATION