UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Transferable Research Skills Laboratory

2425-2-F5105P032

Learning area

RESEARCH METHODS IN EXPERIMENTAL PSYCHOLOGICAL SCIENCES

Learning objectives

Knowledge and understanding

- Identifying a research topic
- Understanding the different steps that structure a research project
- The different styles of results dissemination and communication
  Applying knowledge and understanding
- Designing a research project and the plan to accomplish it
- Disseminating research results: preparing a talk, a poster, and an article

Contents

The course will provide the tools to design and execute a research project. Students will be presented with the entire path leading to a research project, from literature review to result dissemination. The course will illustrate how to modulate the project at the different steps from the formulation of the initial proposal to the communication of the results. Students will have the opportunity to practice their knowledge designing a project, evaluating their peers' proposals, and practicing the different styles of disseminating the research results

Detailed program

1. Writing an effective research proposal

- Identify a research issue and the gap in the literature
- How to fund your research: identifying the “producer” of the project
- Outline the state-of-the-art of the theoretical and methodological framework
- Identify objectives and deliverables
- Defining the method to achieve the research objectives
- Ethical Implications
- Research impact, risk analysis and contingency plans
- Time management and project planning

2. Disseminating and Communicating research results

- The research products in a conference: talks and posters
- The journal article: preparing the manuscript (sections and formats)
- The journal article: the submission process (APA style and the guidelines for the authors)
- Peer review
- Science communication and public engagement

Prerequisites

Teaching methods

The course will be held in prensence and attendance is required
Teaching with frontal lessons and laboratory activities:

- 12 2-hours of interactive classwork :Lectures, Exercise on published research, and own research projects
- 1 8- hours interaction with students: Hands-on experience with a conference simulation: paper evaluation and preparation of a talk/poster

Assessment methods

The last class will host the simulation of a conference: students will be asked to prepare their own contribution for the simulated conference, on the basis of the work carried out during the course. By doing so they will show to be able to identify the relevant information to run a research and communicate its results, as well as actively preparing the physical materials to do it (poster/presentation).

Textbooks and Reading Materials

Detailed information about the teaching material will be published on the e-learning page associated with the course.

Sustainable Development Goals

QUALITY EDUCATION | GENDER EQUALITY