

## RESEARCH METHODOLOGY

Course ID: BIO/12

ECTS: 2

1<sup>st</sup> Year: 2<sup>nd</sup> semester

**Teacher:** PROF. BIOCCA Silvia

**Objectives:** The aim of the course is to introduce the students to the basic principles of the experimental approach used in modern laboratories in the biomedical field.

**Program:** The course will cover an overall analysis of the research process, from finding a research hypothesis and defining a suitable topic to perform literature surveys using available med lines. The second part of the course will provide insights on key experimental methods in the field of basic (cellular and animal models) and clinical research, on the evaluation of the scientific conclusions and on the importance of the scientific communication by using PowerPoint to create a presentation.

**Textbooks** Research Methodology in the Medical and Biological Sciences by Laake et al.

**Exam method:** oral examination; the student will have to prepare a power point presentation on a topic present in the program decided together with the teacher