

RESEARCH METHODOLOGY

Course ID: BIO/12

ECTS: 2

1st Year: 2nd 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. The topics of the course will cover an overall analysis of the research process, from finding a research hypothesis and defining a suitable subject, to perform literature surveys using available med-lines. The students will learn how to conduct the research, to test the hypothesis and how to select different research methods and experimental models. Atherosclerosis will be taken as a scientific topic and analyzed at different levels: from cellular and molecular level to the development of atherosclerotic plate, therapy and prevention.

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

Exam method: oral examination