

GCC501 Scientific Research Methods and Ethics

Compulsory Course for all Graduate Programs

Credit: 3 ECTS: 7,5



Course Description: This course provides MA students from diverse fields with essential knowledge, skills, and ethical awareness in scientific research. It covers fundamental concepts, research processes, ethical considerations, literature review techniques, and effective use of academic databases and search engines. Additionally, students learn about citation guidelines, plagiarism prevention, research design, data collection, analysis methods, validity, reliability, and academic report writing. The course encourages critical thinking and ethical decision-making throughout the research process.

Course Outcomes:

- Understand fundamental concepts, principles, and approaches in scientific research.
- Comprehend the processes involved in scientific inquiry.
- Familiarize themselves with the concepts and principles governing scientific inquiry.
- Develop the ability to take precautions and formulate plans to address ethical issues in research.
- Gain proficiency in reviewing existing literature based on a theoretical framework related to their research problem statement.
- Utilize academic databases and search engines effectively for research studies.
- Understand and apply APA 6th edition's publication and referencing guidelines for proper citation.
- Employ plagiarism detection and prevention programs like Turnitin and iThenticate to uphold academic integrity.
- Design and implement appropriate methodologies for specific research problems/aims.
- Articulate problems in scientific terms and determine their aim, significance, and limitations in a study.