

SYLLABUS

SUBJECT Methodology of Scientific Research with Elements of Statistics.

TEACHER msc Jerzy Kulasa

COURSE DESCRIPTION

This course covers the general principles of Research Methodology that are applicable to any discipline. It discusses the fundamental process in conducting an academic research. The theoretical and practical aspects of preparing a research proposal presented. Amongst topics that will be covered are introduction to research and its philosophy, problem formulation and research objective, literature review, research methodology and design, data collection procedures, data analysis, research proposal and thesis preparation and research management.

ECTS

3

LEARNING OUTCOMES

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

- Acquire a comprehensive understanding of the principles in conducting an academic research
- Conduct preliminary research activities by exploiting all possible research resources
- Write and present a good research proposal based on their respective areas of research

GRADING POLICY

Each of our class sessions will be devoted to a combination of lectures, case discussions, class exercises. Every student is expected to come to class prepared and to actively participate in our learning environment.

Written test (60% of final grade); Class participation (40% of final grade); Attendance will be taken every laboratory meeting. There are no excused absences.

TIMETABLE

Class: 2h x10 weeks = 20 hours (1 semester)

	Theme	Lecture hours	Class hours
1	Introduction.	2	
2	Problem formulation and objectives.	2	
3	Literature review.	2	
4	Research methodology and design.	2	
5	Data collection procedures (quantitative / qualitative / hybrid).		2
6	Data analysis.		2
7	Data collection and analysis (practical).		3
8	Research proposal preparation and thesis preparation.	1	1
9	Research management.	1	1
10	Final Test		1

TEXTBOOK AND REQUIRED MATERIALS

Singh, Y.K. (2006) Fundamentals of Research Methodology and Statistics, ISBN : 978-81-224-1886-6

Kothari, C.R., 1985, Research Methodology- Methods and Techniques, New Delhi, Wiley Eastern Limited.

Kumar, Ranjit, 2005, Research Methodology-A Step-by-Step Guide for Beginners,(2nd.ed.), Singapore, Pearson Education.

PREREQUISITES:

High school course in mathematics and office software.