

## **Course contents for Research Methodology**

1. **Faculty:** FLSB
2. **Course Code:**
3. **Course Title:** Research Methodology
4. **Number of Credits:** Four
5. **Course objectives:** The students will learn all the techniques that will be used in their project work. They will also learn to identify, process and analyze the research question.
6. **Minimum prerequisites for taking this course, if any:** Various techniques used in Cell and Molecular Biology.
7. **Course structure with units, if applicable:**

The research methodology will include

  - a. bioethics
  - b. to learn the techniques that are used in their laboratory of choice
  - c. to identify the research question
  - d. to collect the information and analyze the available information and propose a hypothesis.
  - e. to present a journal paper related to their research work and analyze the data including the statistical methods
  - f. to learn to write a research paper
8. **Suggested Readings:**
  - a. The Researcher's Toolkit by David Wilkinson (2000). Routledge/Falmer, New York.
  - b. Practical Research – Paul D Leedy (1974). Macmillan, New York.
9. **Evaluation:**

Presentation of a journal paper	: 40% Marks
Presentation of techniques learnt	: 40% Marks
Quiz / Assignment /other	: 20% Marks