

Title: Applied Research Methods

Eligibility: Bachelor's degree in any Faculty

Objectives: To introduce students to research methods

To impart knowledge on ethics of research, including bioethics, ethical use of animals

To train students in community diagnosis

To train students in the method of analysis of data and report writing. The information from this will be subsequently used for planning health interventions.

Course Structure:The course is equivalent to 4 credits . The course can be run in any of the foursemesters.

Syllabus:

1. Applied research methods (2 credit)

*Types of research

*Steps in conducting research

*Overview of the philosophical foundations of the principles of medical ethics

*Issues of the patient and professional autonomy, beneficence and non-maleficence, confidentiality, informed consent and distributive justice with applications to contemporary issues

* Monitoring of ethical issues : ethics committees, institutional review boards, and community advisory boards

2. Survey Methods (2 credit)

Sampling and survey methods and their application to public health research.

Survey design and planning, Interview schedule, questionnaire construction, Data collection, Data Management, Data coding procedures

Qualitative research methods

Execution of a survey including –designing questionnaire, designing analysis tables, entry of data, analysis of collected data, evaluation of results, report writing, presentation of data

References

Methodology: Lectures supplemented with case studies that may include visits.

Assessment: Final assessment by written and group discussion. Skill based assessment will be as per the case study/ survey report.

