



TEERTHANKER MAHAVEER MEDICAL COLLEGE & RESEARCH CENTRE



VALUE ADDED COURSE

Essentials of Epidemiology & Biostatistics for Medical Research

All Medical/Allied Health Sciences
UG/PG/Interns of TMU can enroll for this course.

RESOURCE FACULTY

1. Dr Sudhir Kumar Gupta (Prof. & Head)
2. Dr Sadhna Singh (Professor)
3. Dr Umme Afifa (Assistant Professor cum Statistician)

COURSE CO-ORDINATOR

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CONTACT US

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REGISTRATION FORM

1. Name:
 2. Designation:
 3. Date of Birth:
 4. Name of Institution:
 5. Contact No.:
 6. Email id:
 7. Institutional card No.:
- Date:

COURSE CONTENT

Module – 1	Essentials of Epidemiology	Introduction & Classification of Epidemiological Methods
		Descriptive Studies
		Analytical Epidemiology
		Experimental Epidemiology
Module – 2	Screening of Diseases	Sensitivity, Specificity & Relevant Indices
Module – 3	Sampling Techniques	Types & Techniques of Sampling
Module – 4	Biostatistics	Introduction: Basic Terminologies of Biostatistics & Descriptive Statistics
		Inferential Statistics
		How To Prepare Master Chart on SPSS/Excel for Statistical Analysis
		How to Choose Suitable Statistical Test of Significance for Analysis of Data
		Interpretation of Statistical Result
		How to Calculate Sample Size



DESCRIPTION

Value-Added courses provide wide openings to the students for learning the things in a broader perspective to serve the society in the best possible way with learning of additional skills.

Epidemiology tells us about how often diseases occur in different groups of people and why.

Biostatistics helps us to analyze the data and provide statistical reasoning which can be applied practically to Medicine and Public Health.

Our faculty will guide you on how to apply principles of Epidemiology & Biostatistics for Research Purpose.

This is a great opportunity for young and budding researchers to explore new ideas and avenues in their field of research.

COURSE OUTCOME

At the end of the course, the participants must be able to apply the knowledge of epidemiology & biostatistics for research in medical field

BENEFITS

It will provide knowledge and hands on experience about applications of epidemiology in their research

Knowledge of biostatistics will help make decisions based on data.

COURSE COMPLETION GUIDELINES

Open for all students of the university

Each student shall have to complete attendance as per university norms

Relaxation of attendance requirement up to 10% may be granted for valid reasons such as illness

Certificate on completion

