Introduction

Research methodology is a vital component of research to ensure that the investigation is well-organized, credible, and impactful. A good study design with an appropriate sample enables the researcher to proceed in the right direction without any deviation from the tasks and ensures the reliability of the results. The objective of this course is to provide participants with an understanding of research designs and sample size calculation and enable them to design and plan basic epidemiological studies on specific health problems with credibility.

Course contents

- Introduction to epidemiological study designs
- Description of study designs:
  - Cross-sectional study
  - Case-control study
  - Cohort study
  - Clinical trial
- Sample size calculation:
  - Cross-sectional study
  - Case-control study
  - Cohort study
  - Clinical trial

Course duration and timing

The course duration is 24 hours which will be conducted over 3 days. Usually, the sessions will be delivered from 9:00 am to 5:00 pm. A substantial amount of reading and preparatory work will be necessary during the evenings.

Target group

Medical graduates or postgraduate students of MD, MS, FCPS, MPH, and Master’s students from biological/health sciences or social sciences are eligible for the course. No previous formal training in epidemiology or statistics is required. Those who are
new to research or are in the proposal-writing phase may also find this course useful and relevant.

**The number of participants**

It is intended to accept a maximum of 24 participants.

**Faculty members**

The course is largely taught by the experienced faculties of icddr,b.

**Methods of instruction and delivery**

The training will take place in a classroom setting. The course includes lectures, discussions, case studies, and exercises.

**Course fee and course fee submission procedure**

The course fee is BDT 8,000 (Eight Thousand Taka) for national participants, and USD 200 (Two Hundred US Dollars) for international participants to cover the cost of training materials, faculty time, morning and afternoon tea/coffee, and certificate of participation but does not include accommodation, travel, meals or any other incidental expenses. The preferred method of payment is online using a Credit or Debit Card or Mobile Banking (e.g. BKash, Rocket, Nagad, MCash, MY Cash).

**Registration and Application**

All interested participants must apply for registration online by clicking the ‘Apply Now’ button on this page.

**Selection and admission procedure**

Participants will be selected based on their pre-requisite qualifications and first come first serve basis. Only selected participants will be notified by email or SMS or over the telephone. The admission of the selected participant will be confirmed only when the course fee is received.
Certification

Each participant will be awarded a certificate only after successful completion of the course. As per the decision of the Senior Leadership Team (SLT), no certificate will be issued without 100% participation.

Last date of application: September 17, 2024

For further queries relating to the course, please contact
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For queries relating to application, enrolment and payment, please contact:
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