



# King George's Medical University, U.P., Lucknow

Office of the Dean, Research & Development

**Prof. Shally Awasthi**  
**Dean**

No.: 02 / R-Cell-22

Date: 21/6/22

## NOTICE

Office of the Dean, Research & Development is conducting the course in Biomedical Research Methodology for the benefit of MD/MS/DM/MCh students of 2019 batch, who were not able to register in the ICMR-NIE Basic Course in Biomedical Research.

The Course is being held from 9:30 AM to 3:00 PM on 23<sup>rd</sup> & 24<sup>th</sup> June 2022 at Room no 418, Kalam Centre, KGMU (Course schedule is attached as annexure-1).

*All those who have submitted their names are directed to attend the course in offline mode. Online attendance will only be permitted in special cases with valid reason and approval of respective Head of department.* Online Link can be obtained from the office of the Dean, Research & Development.

**Attendance on both the days and in all the lectures is mandatory.**

**(Shally Awasthi)**

Dean,  
Research & Development

### ***Distribution:***

- Notice Book
- The Dean, Academics, KGMU, Lucknow
- All the Heads of Departments, KGMU, Lucknow with the request to circulate it among MD/MS/DM/MCh students of 2019 batch who have submitted their names for attending the above course
- Faculty In-charge, IT Cell, KGMU, Lucknow with the request to upload it on the KGMU website

# Biomedical Research for 2019 batch MD/MS/DM/MCh Students

## Kalam Center

### Course content

#### Day 1

23<sup>rd</sup> June 2022 (Thursday)

9.30 am – 3.00 pm

<b>Topic 1</b>	<i>Conceptualizing a research study:</i>		
Lecture 1:	Introduction to health research, Formulating research question, hypothesis and objectives Literature review	<i>Prof. Shally Awasthi</i>	9:30 am-10:15 am
<b>Topic 2:</b>	<i>Epidemiological considerations in designing a research study</i>		
Lecture 2:	Measures of disease frequency & Descriptive study designs	<i>Prof. S.K. Singh</i>	10:15 am-11:00 am
Lecture 3:	Analytical study designs:	<i>Prof. Arun Chaturvedi</i>	11:00 am- 11:45 am
Lecture 4:	Experimental study designs:	<i>Prof. D Himanshu</i>	11:45 am- 12:30
	<i>Break</i>		<i>12:30 pm- 12:45</i>
Lecture 5:	Qualitative research methods: An overview:	<i>Dr Nisha M Pandey</i>	12:45 pm -1:30 pm
<b>Topic 3:</b>	<i>Bio-statistical considerations in designing a research study</i>		
Lecture 6:	Measurement of study variables & Sampling methods	<i>Prof. Shrikant Srivastava</i>	1:30 pm- 2:15 pm
Lecture 7	Calculating sample size and power:	<i>Prof. S Bhattacharya</i>	2:15 pm-3:00 pm

#### Day 2

24<sup>th</sup> June 2022 (Friday)

9.30 am – 3.00 pm

<b>Topic 4:</b>	<i>Ethical issues in conducting a research study</i>		
Lecture 8:	Ethical framework for health research:	<i>Prof. Shally Awasthi</i>	9:30 am -10:15 am
Lecture 9:	Conducting clinical trials:	<i>Prof Balendra P Singh</i>	10:15 am -11:00 am
<b>Topic 5:</b>	<i>Planning a research study</i>		
Lecture 10:	Selection of study population & Study plan and project management	<i>Prof. SV Singh</i>	11:00 am- 11:45 am
Lecture 11:	Designing data collection tools & Principles of data collection	<i>Dr. Neeraj Kumar</i>	11:45 am-12:30pm
	<i>Break</i>		<i>12:30-12:45 pm</i>
Lecture 12:	Data management & Overview of data analysis.	<i>Prof. H.S. Malhotra</i>	12:45 pm -1:30 pm
<b>Topic 6:</b>	<i>Writing a research protocol and research paper</i>		
Lecture 13:	Elements of a protocol for research studies/thesis	<i>Dr. Sujita Kar</i>	1:30 pm-2:15 pm
Lecture 14:	Publication ethics & Manuscript Writing:	<i>Prof Apul Goel</i>	2:15 pm-3:00 pm