

# **Training course in research methodology and research protocol development 2021**

## **Course overview**

**Geneva Foundation for Medical Education & Research  
in partnership with the World Health Organization, Geneva,  
Switzerland**

# **Training course in research methodology and research protocol development 2021**

**Organized by the Geneva Foundation for Medical Education and Research in collaboration with the Department of Sexual and Reproductive Health & Research, World Health Organization (WHO)**

# Course coordinators



**Moazzam Ali**  
Course coordinator  
WHO HQ (Geneva)



**Tomas Allen**  
Course coordinator  
WHO HQ (Geneva)



**Karim Abawi**  
Course coordinator  
GFMER

# Course objectives

- **To provide knowledge and skills in research methodology and research protocol development to health professionals in sexual and reproductive health field.**
- **The course will enhance participants' knowledge of research methodology and how to develop research protocols and improve their scientific writing.**

# Thematic areas

- **Literature search and referral to biomedical documents:** Conducting a literature search and referencing
- **Epidemiologic studies:** Provides basic knowledge on different epidemiological studies used to conduct research projects
- **Scientific writing:** Provides instruction on scientific writing, such as article, report, presentation based on academic criteria
- **Research protocol development:** Provides practical instructions on how to develop a research protocol according to the WHO recommended format

# Course topics & dates

## 06 September – 31 October 2021 (8 modules)

- I. Introduction: Research topic selection, research question and research problem statement – **06 Sept**
- II. Effective literature search and citing biomedical documents and sources – **13 Sept**
- III. Types of research (qualitative and quantitative) and Epidemiologic studies – **20 Sept**
- IV. Epidemiologic studies (cont'd) – **27 Sept**
- V. Sampling (sample size and sampling technique) and Quantitative data collection – **04 Oct**
- VI. Qualitative study design – **11 Oct**
- VII. Research ethics and Critical appraisal of research publication – **18 Oct**
- VIII. Scientific writing and Standard research protocol format – **25 Oct**

# What each course module will contain

## Each module contains:

1. **A set of slides with accompanying talking points**
2. **Reference documents**
3. **Other audio-visual materials**
4. **Weekly assignments which will be reviewed by your coach and multiple choice questions (end of course)**

# Teaching-learning methods

**What the course organizers will do to support the participants:**

- **A GFMER mentor will be assigned to you at the start of the course, to serve as your tutor and as a guide.**
- **Your mentor will review your paperwork assignment & provide you with feedback promptly.**
- **You can reach out to your mentor by email whenever required or if needed by phone.**
- **You can always contact the GFMER secretariat with questions or concerns.**



# Teaching-learning methods

## What is required of you (the course participants):

- ❑ To connect with your mentors at the start of the course & to reach out to them when needed
- ❑ To develop and submit a research protocol under the guidance of your mentor
- ❑ To complete & submit the end of course evaluation

## For each module:

- ❑ Study the video presentations and / or slide sets
- ❑ Read all accompanying documents
- ❑ Complete the short assignments and answer to the end of course MCQs
- ❑ Contribute to group discussions
- ❑ Participate in the end-of-course ZOOM meeting with the organizers and resource persons

*Each module will take about 6 hours of work/week (total 60 hours of work including research protocol development)*

# Certificates

- ❑ **In order to validate the course and obtain the certificate, the participants are required to develop a research protocol relevant to their professional practice and under the guidance of their personal coach.**

# Organizing team:

## Names and designations

- ❑ Raqibat Idris, GFMER Course Manager  
[raqibat.idris@gfmer.org](mailto:raqibat.idris@gfmer.org)
- ❑ Fiona Poon, GFMER Course Administrator  
[fionna.poon@gfmer.org](mailto:fionna.poon@gfmer.org)

### Course coordinators

- ❑ Moazzam Ali, Department of Sexual and Reproductive Health and Research, WHO
- ❑ Tomas Allen, WHO HQ Library
- ❑ Karim Abawi, Executive Committee member, GFMER  
[karim.abawi@gfmer.org](mailto:karim.abawi@gfmer.org)

**Welcome to the course!**