



جامعة الخليج العربي
Arabian Gulf University



Diploma in Clinical Research





Program overview

The diploma in clinical research is offered at the Clinical Research Center at the Arabian Gulf University. The program aims at building capacity in clinical research in the Gulf Cooperation Council (GCC) region to help support the design, execution and management of clinical research projects and trials in GCC hospitals and medical research centers.

The diploma program is suitable for graduates in medicine, nursing, pharmacy, life sciences, ethics committee members, regulatory affairs members and other allied disciplines involved in clinical research projects and trials. The diploma provides skills for a career in the diverse and complex field of clinical research management

The one-year Academic Diploma in clinical research provides clinicians-investigators, research nurses, regulatory authorities, members of research ethics committees, and other clinical research professionals a strong foundation in the methods, ethical conduct, coordination, scientific standards, laws and regulations, as well as the operations and management of a clinical research study. It also focuses on the science of pharmaceutical and medical devices development, stem cells and biotechnology products, as well as medical technologies intended for human use.

The curriculum of the diploma program in clinical research is inspired by a core competencies framework developed by the Joint Task Force for Clinical Trial Competency, led by a team from Harvard University's Mutli-center Clinical Research Center. The framework comprises eight competency domains of knowledge, skills, and attitudes necessary to function within the field of clinical research (figure).





Vision

To build capacity in the conduct, management and oversight of clinical trials in the GCC region.

Mission

To prepare confident, knowledgeable, and skilled professionals who can design, conduct and successfully complete comprehensive clinical research/trials.

Program Objectives

To provide trainees with the knowledge, competencies and skills which are key and essential attributes required for the design, review and approval, conduct, analysis and interpretation of clinical research investigations.

Program Values

To foster a culture of innovation and produce a generation of clinical research professionals working with the following sets of values:

- ✓ Excellence – the ongoing pursuit of success and excellence.
- ✓ Integrity – Acting with honesty, accountability, transparency and social responsibility
- ✓ Collaboration – Fostering creative partnerships, mentorship and open communication in research and academia.
- ✓ Engagement – lifelong learning involving students, faculty, staff, and the community.





Program Target Audience

- Principal Investigators and Research (Study) Nurse Coordinators
- Clinical Research Professionals (e.g. Clinical Research Associates (CRAs), Clinical Trial Coordinators (CTA's), Clinical Project Managers (CPM)).
- Ethics Committees Members
- Regulatory Authorities Professionals

Program Duration

The duration of the academic program in clinical research is one year.

Learning Outcomes

- Conduct scientifically valid and valid research.
- Apply appropriate statistical techniques.
- Apply knowledge of concepts of research ethics to emerging issues in research
- Demonstrate skills in scientific writing.
- Analyze the issues promoting responsible conduct of research.
- Analyze research protocols from an ethical point of view
- Discuss regulatory issues in drug development
- Good Clinical Practice



Program Outline

The diploma program consists of 28 credit hours offered in an innovative blended model of teaching that includes face-to-face workshops, virtual live webinars, and online learning. The program faculty utilizes a collaborative active learning model of teaching. Around %25 of courses are provided online.



Course Components

The curriculum is organized in 2 semesters, each of 16 weeks duration spread over the academic year. During the first semester, students are required to complete 12 credit hours of core courses, and, 12 credit hours of specialized courses during the second semester. After completion of the courses, students are required to complete a diploma project. There are no specific pre-requisite courses.

Core Courses

Course Code	Course Name	Credit Hours
CMMSCR500	Research Methods	3 Credit Hour
CMMSCR501	Scientific Writing	3 Credit Hour
CMMSCR502	Introduction to Research Ethics	2 Credit Hours
CMMSCR503	Critical Thinking	2 Credit Hours
CMMSCR504	Management of Clinical Trials	2 Credit Hours



Specialized Courses

Course Code	Course Name	Credit Hours
CMMSCR505	Responsible Conduct in Clinical Research	2 Credit Hours
CMMSCR506	Operations of Research Ethics Committees	2 Credit Hours
CMMSCR507	Leadership and Professionalism	1 Credit Hours
CMMSCR508	Regulatory Issues Regarding Research and Pharmaceuticals	2 Credit Hours
CMMSCR509	Drug Development	2 Credit Hours
CMMSCR510	Principles of Biostatistics	1 Credit Hours
CMMSCR511	Principles of Good Clinical Practice	2 Credit Hours

Diploma Project

CMMSCR608	Diploma Project	4 Credit Hours
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Methods of Assessment

Students' performance will be evaluated based on:

- Student performance including presentations (%30)
- Written assignment (30%)
- Final written exam (40%)

Admission Requirements

- The applicant is a citizen of one of the GCC countries or a citizen of an Arab country and is a resident in one of the GCC countries.
- Nomination / no objection letter from the Ministry of Education or Higher Education of the applicant's country (GCC citizens).
- A medical degree or a bachelor's degree in one of the health sciences or related fields (for example, but not limited to, life sciences, bioinformatics, biochemistry, dentistry or pharmacy) from a university recognized by AGU.
- A minimum overall average of "Good" to be considered for the Diploma.
- Two years' experience in a health-related profession (Fresh graduates may be considered on merit).
- Evidence of adequate proficiency in the English language (Minimum TOEFL Score of 450 or IELTS of 5.0).
- Final acceptance shall be made after passing a personal interview.



Graduation Requirements

- Successfully complete 24 credit hours of course work.
- Satisfactorily complete a Diploma project (4 credit hours)
- Obtain a minimum cumulative GPA of 2.0 out of 4.0.



Program Faculty

1. Dr. Adel Medhkour, Director Clinical Research Center, AGU, Kingdom of Bahrain.
2. Dr. Henry Silverman, Professor of Medicine, University of Maryland, Baltimore, USA; adjunct Prof. at AGU, Kingdom of Bahrain.
3. Dr. Rehab Abdel Hai, Professor of Public Health, Faculty of Medicine, Cairo University, Egypt.
4. Dr. Ahmed Ansari, Clinical Associate Professor, AGU, Kingdom of Bahrain.
5. Dr. Ahmed Jaradat, Associate Professor, Department of Family and Community Medicine, AGU, Kingdom of Bahrain
6. Dr. Isabell May, Associate Professor of Science Communication, University of Maryland, Baltimore, USA.
7. Dr. Kannan Sridharan, Associate Professor, Department of Pharmacology & Therapeutics, AGU, Kingdom of Bahrain.
8. Dr. Suhail Al-Amad, Associate Professor of Oral Medicine, Forensic Odonatologist, University of Sharjah, UAE.
9. Dr. Hala Mansour, Senior Clinical Research Professional, Cairo, Egypt.
10. Dr. Maha Emad, Lecturer of Rehabilitation, Physical Medicine and Rheumatology, Suez Canal University, Egypt



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Arabian Gulf University

Applications

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Information on Program

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