

Faculty Academic Reference Standards (**ARS**) for MD program

Faculty Doctorate (MD) Program

1. Graduate attributes:

Graduate of doctorate (MD) program in any specialty should be able to:

- 1.1. Mastery of basic research skills and types of study design.
- 1.2. Contribute to development, application, and translation of new medical knowledge in his scholarly field through research.
- 1.3. use analytical and critical skills in observing, collecting and interpreting data.
- 1.4. Integrate biomedical sciences with clinical information to explore scientific basis of medical practice for improvement of management of diseases.
- 1.5. Demonstrate an awareness of current health problems and recent theories in his scholarly field
- 1.6. Identify and create solutions for occupational problems and medical malpractice conditions.
- 1.7. perform a wide range of professional skills in his scholarly field.
- 1.8. Develop and improve new methods and approaches in the professional medical practice of the specific field.
- 1.9. Use information technology to improve his professional medical practice including online medical information manage information and researches.
- 1.10. communicate effectively as a member or leader of health care group or other professional group and gain leadership skills.
- 1.11. Make informed decisions based on available data (e.g. patient information, up to date scientific evidence and clinical judgement).
- 1.12. Effective management, development & improvement of available resources and have the competency to get new resources.
- 1.13. Be aware of his community needs related to his field and have the ability to improve & maintain health care and carryout system-based improvement.
- 1.14. Demonstrate ethical behavior, moral reasoning, honesty, integrity, dependability, and commitment to service and health equity.
- 1.15. Critically reflect on one's own performance to set learning and improving goals and sharing his knowledge.

<p>2. Faculty Academic Reference Standards (ARS) for MD Program</p>
<p>2.1. Knowledge and understanding:</p> <p>Upon completion of the doctorate Program (MD), the graduate should have sufficient knowledge and understanding of:</p>
<p>2.1.1. Theories, basics and updated knowledge in his scholarly field and related basic sciences.</p> <p>2.1.2. Basic, methods and ethics of medical research.</p> <p>2.1. 3. Ethical and medicolegal principles of medical practice.</p> <p>2.1. 4. Identify Principles and fundamental of quality in professional medical practice.</p> <p>2.1.5. Knowledge related to effects of professional practice on public health and methods of maintenance and system-based improvement of public health.</p>
<p>2.2. Intellectual skills:</p> <p>Upon completion of the doctorate program (MD), the graduate must be able to:</p>
<p>2.2.1 Analysis and evaluation of information to correlate and deduce from it.</p> <p>2.2.2. Problem solving skills based on analysis of available data for common health problems related to his scholarly field.</p> <p>2.2.3. Carryout research projects related to his scholarly field.</p> <p>2.2.4. Write and publish scientific papers.</p> <p>2.2.5. Assess risk in professional medical practice.</p> <p>2.2.6. Establish goals, commitments and strategies for improved productivity and performance.</p> <p>2.2.7. Making professional decisions in different professional contexts.</p> <p>2.2.8. Demonstrate intellectual curiosity necessary for scientific discovery and innovation through active participation in research.</p> <p>2.2.9. Using Evidence-based strategies to during discussion or teaching others</p>

2.3. Professional skills:

Upon completion of the doctorate program (MD), the graduate must be able to:

- 2.3.1. Master the basic as well as modern professional practical and/or clinical skills.
- 2.3.2. Write and evaluate professional reports.
- 2.3.3. Evaluate and improve the methods and tools in the specific field
- 2.3.4. use of technological means to serve Professional practice
- 2.3.5. Planning for the development of professional practice and improve of the performance of others.

2.4. General and transferable skills

Upon completion of the doctorate program (MD), the graduate must be able to:

- 2.4.1. Communicate (in writing and orally) effectively and respectfully with peers, faculty, colleagues, and other members of the health care team, understanding the role of consultations and referrals.
- 2.4.2. Use of information technology to serve Professional Practice Development.
- 2.4.3. Demonstrate effective teaching and evaluating others.
- 2.4.4. Self-assessment and continuous learning.
- 2.4.5. use physical information resources (print, analog), online (electronic, digital,) text, audio-video, book and journal to address medical questions and knowledge to sustain professional growth.
- 2.4.6. Work as a member in larger teams and as well as a team leader knows how to develop "teaming strategy" to plan how people will act and work together.
- 2.4.7. Manage of scientific meetings and the ability to manage Time effectively.

Faculty Academic Reference Standards (ARS) for Master program

Faculty Master (MSC) Program

1. Graduate Attributes:

Graduate of master (MSC) program should be able to:

- 1.1. understanding and applying of basics of research method and research tools.
- 2.1. Critically analyze, evaluate, and effectively communicate findings, theories, and methods.
- 3.1. Apply integrated professional and general knowledge in his scholarly field and at the interface between different fields.
- 4.1. Demonstrate awareness of community health needs related to the field of specialization by understanding the beneficial interaction with the society to improve quality of life.
- 5.1. Demonstrating proficiency, required to solve current complex problems in his scholarly field.
- 6.1. Master a variety of technical skills in his scholarly field and expert relevant equipment, technology, and software.
- 7.1. Gain leadership skills and be able to communicate efficiently with colleagues and get the best results.
- 8.1. Take professional situational decisions and logically support them.
- 9.1. Optimal use of available resources to achieve research or best patient health care and ensure its maintenance.
- 10.1. Demonstrate awareness of its role in community health development.
- 11.1. Exhibit ethical behavior that reflect commitment to the code of practice.
- 12.1. demonstrate the ability to sustain a lifelong personal and professional growth.

2. Faculty Academic Reference Standards (ARS) for Master Program

2.1. Knowledge & Understanding:

Upon completion of **the Master Program**, the graduate should have sufficient knowledge and understanding of:

- 2.1.1. Understand the scientific basis and modern knowledge in the field of specialization and related medical sciences
- 2.1.2. The mutual influence of professional practice on work environment, working conditions, and job characteristics.
- 2.1.3. Scientific developments in the field of specialization

2.1.4. Recognize basics of medico-legal aspects of practice, malpractice and avoid common medical errors.

2.1.5. Quality principles in the scholarly field

2.1.6. Basis of research methodology and medical ethics.

2.2. Intellectual Skills:

Upon completion of the master program, the graduate should be able to:

2.2.1. Use judgment skills for analytical and critical problem solving.

2.2.2. Capable of integrating knowledge and dealing with complex subjects to solve problems.

2.2.3. Be capable of integrating research results and/or results of history, physical and laboratory test findings to solve research or a clinical problem.

2.2.4. Effectively apply research methods and carrying out a medical research thesis

2.2.5. Be aware of risk management principles, and patient safety.

2.2.6. Establish goals, commitments, and strategies for improved professional performance in the field of specialty.

2.2.7. Take professional situational decisions and logically support them.

3.2. Professional Skills:

Upon completion of the master program, the graduate must be able to:

3.2.1. Master the basic and some advanced professional skills in his scholarly field.

3.2.2. Write and evaluate medical or scientific reports.

3.2.3. Assess and evaluate technical tools during research.

4.2. General and transferable skills

Upon completion of the master program, the graduate should be able to:

4.2.1. Communicate effectively using a written medical record, electronic medical record, or other digital technology.

4.2.2. Use of information technology (computer to create, process, store, secure and exchange electronic data) in the field of medical practice.

4.2.3. Assess himself and identify personal learning needs.

4.2.4. Use various sources for information (physical and digital sources).

4.2.5. Setting indicators for evaluating the performance of others.

4.2.6. Work in a team, and Apply leadership skills to enhance team functioning, the learning environment, and/or the health care delivery system.

4.2.7. Manage time efficiently.

4.2.8. Demonstrate skills of self-learning and lifelong learning needs of medical profession.

