

# Competency Framework for Medical Students

## Competency Framework for Medical Students

### Tehran University of Medical Sciences – School of Medicine

This document outlines a comprehensive **competency framework** for medical students completing the general medical education program. Developed and approved by relevant academic and educational committees, the framework provides a structured approach to defining the essential skills, knowledge, and behaviors expected of medical graduates.

#### Main Objectives:

- Align medical education with national and international standards.
- Define measurable **learning outcomes** based on competencies.
- Prepare students for professional, ethical, and socially responsive medical practice.

#### Core Competency Domains:

1. **Clinical Skills** – Practical ability in patient care, diagnosis, treatment, and use of medical tools and procedures.
2. **Communication Skills** – Effective communication with patients, families, and healthcare teams.
3. **Patient Care** – Competence in prevention, diagnosis, and treatment based on evidence and ethical practice.
4. **Health Promotion** – Role in community health, education, and disease prevention.
5. **Personal Development** – Self-awareness, emotional intelligence, and continuous professional growth.
6. **Medical Ethics and Professionalism** – Commitment to ethical conduct, confidentiality, and social responsibility.
7. **Scientific Reasoning and Problem Solving** – Use of evidence, critical thinking, and decision-making in clinical settings.
8. **Understanding of the Health System** – Familiarity with healthcare policies, teamwork, and efficient delivery of health services.

#### Implementation:

- The framework was developed through collaborative efforts, including expert panels, focus groups, and benchmarking against international models (e.g., Scottish Doctors, Tuning Project, WFME).
- Competencies are aligned with **outcome-based education (OBE)** principles and emphasize mastery over content coverage.

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- The program aims to ensure that graduates can meet the real-world needs of patients and the healthcare system.

### **Conclusion:**

This competency framework provides a foundation for curriculum development, assessment, and quality assurance in medical education. It guides the training of competent, ethical, and community-oriented physicians prepared to face modern health challenges.