

Under Graduate Curriculum

(Forensic Medicine)

Al- Balqa' Applied University –faculty of medicine

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Requirements :

- A. 5th year medical students
- B. Clinically oriented
- C. Accomplished basic clinical pathology
- D. Accomplished introductory clinical course

1- Goals:

The goal of the teaching of undergraduate students in Forensic Medicine is to produce a competent medical students who:

- a. **Is able to provide basic services in relation with medico-legal responsibilities in the practice of medicine**
- b. **Is able to serve justice through medicine and scientific evidence.**
- c. **Capable to help in setting and assessments of inquiries connected to medico-legal problems.**
- d. **Acquired basic knowledge of law in relation to practice of medicine, medical negligence and protect human beings.**
- e. **Respect for the codes of medical ethics consistent with national health policy and country laws.**

2- Objectives:

At the end of the training course, the candidate shall be able to:

- a. **Understand the importance of POST-MORTEM EXAMINATION, and death management including, collect appropriate evidence**

- b. Able to understand and interpret other important medico-legal aspects of death due to natural and unnatural conditions and poisonings.
- c. Aware of laws in relation to medico-legal work, medical practice and be acquainted with related relevant amendments and also related judgments passed by constitutional courts.
- d. Competently aware of types of wounds ,injuries and application of criminal and civil laws .
- e. Aware of aspects of ethics and law national and international

3. Syllabus

(Note: The tailed syllabus is minimal and may require further improvement from time to time in accordance with advances in the specialty of forensic medicine & toxicology.)

3.1.Theory basic medical sciences namely, Anatomy, Physiology, Pharmacology, Pathology and Microbiology as applied to Forensic Medicine Surface land marks & regional anatomy of medico-legal significance.

3.2 Patho-physiology of Healing and fibrosis (Pathology of scar) Common general and systemic diseases caused by physical/chemical agents.. Basic knowledge of Death from sudden violence, suspicious, unknown unexplained together with unnatural cause, disease following trauma

3.3 Mechanical injuries & their medico-legal aspects in relation to nature of injuries, accidental, suicidal, homicidal, and distinction between injuries caused during life and after death. Medico-legal Injury report preparation. Medico-legal examination of an alcohol and other drugs. Basic concepts of Medico-legal examination in cases of Sexual offences. Basic concepts Medico-legal examination of poisoning cases. Basic concepts Regional and Transportation injuries. Causes of death from wounds.

3.4 Special types and circumstantial deaths, Infanticide. Crimes against children. Asphyxial, electricity, gun-shot wounds, poisoning, thrombo-embolism, fat embolism, aspirations, wound healing, histological determination of time of death. Body's local and systemic response to trauma. Violent asphyxial deaths: Hanging, Strangulation, Suffocation and Drowning. Disorders of infancy and old age changes relevant to forensic medicine.

3.5 Basic knowlwdge of Virginity, Pregnancy, Delivery in relation to suit of nullity of marriage, divorce, and legitimacy and law Vs Abortion – Criminal & Justifiable, Laws in relation to criminal abortion. Duties of medical persons when called to treat a case of criminal abortion.

3.6 Identification of the living and dead, determination of race religion, sex, age, external peculiarities, such as moles, birth marks, occupational marks, anthropometry, fingerprints, and foot prints handwriting etc. and their medicolegal aspects. Identification including Evaluation of evidence from the skeleton , Age estimation ,,Evidence from trace elements, like hair and biological stains of blood, semen, sweat, saliva, milk, sputum etc. Mass disasters

3.7 Basic concepts of Rights, duties & privileges of medical practitioner. Informed consent in medical practice. Basic knowledge of National Health policies. Problems of privileges and confidentiality etc. Physician in the Witness Box Lifesaving maneuvers and pre-hospital first aid and sexually transmitted diseases HIV and AIDS in forensic practice. Routine and advanced Imaging Techniques Virtual Autopsy and awareness of equipments and usage. Medico-legal record keeping. Basics of medical education technology and research methodology. Medical malpractice. Physician duties under various public

health & medical acts. Liabilities of Hospitals, nursing home and public dispensaries to patients. Medical practice in relation to Insurance. Relevant parts of Jordanian Penal Code, Criminal procedure, Jordanian Evidence in criminal procedural Act, Immoral Trafficking Act, Workman's Compensation Act and other Laws related to medical practice. Law & Procedures related to brain death and Organ Transplantation. Legal & Ethical aspects of Family planning procedures Therapeutic trial & human experimentation etc. Medico-legal aspects of Organ & Tissue transplantation. Don't attempt to resuscitate (DNR) and Euthanasia.

4. Assessments and marking system:

The rules and regulations of Al-Balqa Applied University medical school will be applied

Note: Teaching Schedule The suggested training departmental teaching schedule is as follows:

1. seminars on injuries, ethics, clinical examination and medico legal report
2. Autopsy report presentation
3. Journal club
4. 7. Theory test Once a week
5. Grand viva Once a month

6. Books

Simpson' forensic medicine 13th edition

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Knight's forensic pathology