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# **Human Capital Development & Education Program Proposal**

**Cardiology & Cardiovascular Surgery**  
**Emergency Medicine**  
**Respiratory Medicine**  
**Infection Control**  
**Nursing**  
**HMIS**



# Nursing

## Nursing

(15 Courses)

Module 1/2

1/15

**Course Title** : **Management**

**Course Director** : **Prof.Dr. Hoda Zaki**

Professor of Nursing and Undersecretary of  
Central Nursing Department - MOHP

**Objectives** : Acquaint Nurses with up to date managerial skills  
that enhance nurses performance

**Target candidates** : Supervisors and Managers for those graduated  
from Faculty of Nursing

**Course Duration** : **6** Days **Theoretical** : **(24hours)** Lectures

**Contents** :

- Leadership
- Delegation
- Communication
- Motivation
- Counseling
- Quality dimensions
- Quality improvement Cycle
- Time Management
- Performance Evaluation



- Decision Making
- Conflict Management
- Planning. Team building

## Nursing

(15 Courses)

Module 2/2

2/15

**Course Title** : **T.O.T**

**Course Director** : **Prof.Dr. Hoda Zaki**

Professor of Nursing and Undersecretary of  
Central Nursing Department - MOHP

**Objectives** : Acquaint Nurses with up to date Training of the  
trainers skills that enhance I nurses performance and  
their professions as trainers

**Target candidates** : High Nurses their had management course

**Course Duration** : **6 Days** **Theoretical** (**24hours**)Lectures

**Contents** :

- **Approach to Clinical Training**
  - Adult learning principal.
  - Training and Education.
  - Competency-Based Training.
- **Office Skills**
  - Principles of selecting participants.
  - Development of course materials.
  - Clinic practice management.
- **Classroom Skills**
  - Understanding how adults learn
  - Effective presentation techniques.



- Different types of media (flipchart, videotapes, small groups, case study, role play).
- **Clinical Skills**
- **Conducting Clinical Skills**
  - Anatomic models.
  - Demonstrating skills
  - Pre and post clinical meetings
  - Clinical coaching
- Computer Skills
- Group Presentation

## Nursing

(15 Courses)

3/15

- Course Title** : **Burn Management**
- Course Director** : **Prof.Dr. Hoda Zaki**  
Professor of Nursing and Undersecretary of Central Nursing Department - MOHP
- Objectives** : Acquaint Nurses with up to date technical skills that enhance nurses' performance as trainers
- Target candidates** : Selected nurses from Burn Units
- Course Duration** : **6 Days** **Theoretical** (**24 hours**) Lectures

**Contents** :

- Introduction & Overview of Burn
- Objective.
- Function of Skin.
- Definition of Burn
- Etiology.
- Types.



- Calculation.
- Patient at Risk.
- Incidence of Burn
- Pathophysiology of Burn
- Lab. Investigation & Firstaid of Burn.
- Emergency of Burn Management
- Acute Care & Types of Dressing.
- Complication and Burn Management
- Rehabilitation Phase.

## Nursing

(15 Courses)

4/15

<b>Course Title</b>	<b>: Advanced Burn Management</b>
<b>Course Director</b>	<b>: Prof.Dr. Hoda Zaki</b> Professor of Nursing and Undersecretary of Central Nursing Department - MOHP
<b>Objectives</b>	<b>: Acquaint Nurses with up to date Advanced technical skills that enhance nurses' performance as trainers</b>
<b>Target candidates</b>	<b>: Selected nurses from Burn Units</b>
<b>Course Duration</b>	<b>: 6 Days      Theoretical      (24 hours) Lectures</b>
<b>Contents</b>	<b>:</b>
	<ul style="list-style-type: none"> <li>• Communication with Burn Patient.</li> <li>• Dealing with different types of patients at risk of burn injury (adult &amp; child).</li> <li>• Caring for chemical, thermal and electrical burn.</li> <li>• Caring for electrical thermal and electrical burn</li> <li>• Dressing technique for burn injury</li> </ul>



- Teaching to prevent burn injury
- Pathophysiology of burn injury
- Managements of burns to the hands
- Fluids & electrolyte balance /fluid resuscitation
- Nutrition & burn (for adult & child
- Pain management & itching for burned patient
- Medications (Thermal, Chemical, Electrical)
- How to deal emotionally with patients' changes following burn injury.
- Surgical procedures.
- Physical therapy & rehabilitation.
- Applied Quality with Burn Patient
- Micro Teaching

## Nursing

(15 Courses)

5/15

**Course Title** : **Intensive Care (ICU)**

**Course Director** : **Prof.Dr. Hoda Zaki**

Professor of Nursing and Undersecretary of  
Central Nursing Department - MOHP

**Objectives** : Acquaint Nurses with up to date skills that enhance nurses performance

**Target candidates** : Bachelor Nurses working in Intensive Care Units

**Course Duration** : **6** Days    **Theoretical** : **(24 hours)** Lectures

**Contents** :



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- Assessment of ICU. Quality in ICU.
  - Nursing Care Planning
  - Disturbance of circulation
  - Normal ECG & Myocardial Infarction
  - Medication & Patient Care
  - Open Heart & Role of the Nurse
  - Nursing Management of coma & shock patient
  - Assessment of Respiratory system
  - Nursing needs of Respiratory Failure, O<sub>2</sub> therapy and ventilation
  - Care of patient with tracheostomy tube
  - Computers, Internet search. Post Test & orrection



## Nursing

(15 Courses)

8/15

**Course Title** : **Fever Management**

**Course Director** : **Prof.Dr. Hoda Zaki**

Professor of Nursing and Undersecretary of  
Central Nursing Department - MOHP

**Objectives** : Acquaint Nurses with up to date technical skills that  
enhance nurses performance

**Target candidates** : Nurses working in Fever Hospital

**Course Duration** : **6** Days      **Theoretical** : **(24hours)**Lectures

**Contents** :

- Communicable Disease
- Infection Control
- Common Diseases (Meningitis, Encephalitis)
- Common Diseases cont. Hepatitis
- Typhoid Fever
- TB
- Aids
- Quality in Health Care
- Communication
- Computer Skills





## Nursing

(15 Courses)

9/15

- Course Title** : **Pediatrics**
- Course Director** : **Prof.Dr. Hoda Zaki**  
Professor of Nursing and Undersecretary of  
Central Nursing Department - MOHP
- Objectives** : Acquaint Nurses with up to date technical skills that  
enhance nurses performance
- Target candidates** : Nurses working in Pediatric Unit
- Course Duration** : **6 Days**      **Theoretical** : **(24hours)**Lectures

**Contents** :

- **Neonates**
  - Nurses role in delivery units.
  - Prenatal – Natal – post natal phase.
  - Medication for neonates.
  - Apgar score.
  - Daily care for neonates.
  - Jaundice & its care.
  - Problems associated with delivery and its its care.
  - Malnutrition.
- **Premature**
  - Introduction.
  - Definition, characteristics of premature baby.
  - Nursing care of premature.
  - Care of incubator.
- **Surgical Nursing Care**
  - Clift palate (pre and post operative care)
  - Care of intestinal obstruction.
- **Medical Nursing Care**
  - Ryle feeding.



- Nursing care in special cases.
- Communication
- Quality in Health Care

## Nursing

(15 Courses)

10/15

**Course Title** : **Renal Dialysis**

**Course Director** : **Prof.Dr. Hoda Zaki**

Professor of Nursing and Undersecretary of  
Central Nursing Department - MOHP

**Objectives** : Acquaint Nurses with up to date technical skills that enhance nurses performance

**Target candidates** : Nurses working in Dialysis Unit

**Course Duration** : **6 Days**      **Theoretical** : **(24hours)**Lectures

**Contents** :

- **Renal Failure**
  - Introduction to renal failure disease.
  - Physiology of urinary tract system.
  - Acute renal failure (causes, signs and symptom, diagnosis and treatment).
  - Chronic renal failure (cause, signs and symptoms and treatments).
- **Hemodialysis**
  - Patient preparation.
  - Nursing care during dialysis session.
- Infection Control in hemodialysis units
- Nurses' role for prevention of hemodialysis problems



- Nutritional requirements for hemodialysis patient
- Nursing care of hemodialysis patient
- Care of fistula
- Communication. Computer Skills

## Nursing

(15 Courses)

11/15

**Course Title** : **Neonate**

**Course Director** : **Prof.Dr. Hoda Zaki**

Professor of Nursing and Undersecretary of  
Central Nursing Department - MOHP

**Objectives** : Acquaint Nurses with up to date technical skills that enhance nurses performance

**Target candidates** : Nurses working in Premature and neonate Unit

**Course Duration** : **6** Days      **Theoretical** : (**24hours**) Lectures

**Contents** :

- Communication
- Team Building
- Nursing role in the neonatal unit (admission and discharge)
- Immediate baby care
- Neonatal resuscitation, apgar score,
- Infection control in neonatal unit
- Common neonatal diseases (jaundice, convulsion)



and septicemia).

- Respiratory distress, infant of diabetic mother, premature baby.
- Computer
- Quality in Healthcare

## Nursing

(15 Courses)

12/15

**Course Title** : **Nursing in Emergency Units**

**Course Director** : **Prof.Dr. Hoda Zaki**

Professor of Nursing and Undersecretary of  
Central Nursing Department - MOHP

**Objectives** : Acquaint Nurses with up to date technical skills that enhance nurses performance

**Target candidates** : Nurses working in Emergency Unit

**Course Duration** : **6** Days **Theoretical** : **(28 hours)** Lectures  
**(8 hours)**

**Contents** :

- Introduction to Emergency, E.R as a unit, handling cases (ABCDE, primary and secondary survey, referral, CPR)
- **Practice:** venous access, CPR, bleeding control..etc.
- Surgical casualties, wound care and fracture & sprain
- **Practice:** Stitching, stabilization, ryle & catheter.
- Pre and post operative care
- **Practice:** wound dressing, Respiratory care, psychological care, medication, reporting problems.



- Revision, scenarios, special types of patients, spirit of ER
- Computer
- Communication. Team Building

## Nursing

(15 Courses)

13/15

**Course Title** : **Anesthesia**

**Course Director** : **Prof.Dr. Hoda Zaki**

Professor of Nursing and Undersecretary of  
Central Nursing Department - MOHP

**Objectives** : Acquaint Nurses with up to date technical skills that enhance nurses performance

**Target candidates** : Nurses working in Operating Room Unit

**Course Duration** : **6** Days      **Theoretical** : **(24hours)**Lectures

**Contents** :

- Preoperative and Intra operative management
- Anesthesia Machine (Video).
- Inhalation & IV anesthesia in common use.
- Airway management (equipment used, intubations, how to ventilate).
- Anesthetic complications.
- Post anesthesia care



- Drug in common use.
- Spinal, epidural & caudal anesthesia.
- Peripheral Nerve Blocks
- Communication
- Team Building
- Quality in operating room
- Computer

## Nursing

(15 Courses)

14/15

**Course Title** : **Waste Management, nurses' role**

**Course Director** : **Prof.Dr. Hoda Zaki**

Professor of Nursing and Undersecretary of  
Central Nursing Department - MOHP

**Objectives** : Acquaint Nurses with up to date technical skills that  
enhance nurses performance

**Target candidates** : Nurses working in surgical department

**Course Duration** : **6 Days**      **Theoretical** : **(24hours)**Lectures

**Contents** :

- Environmental Health (Components)
- Definitions and Strategies of waste management.
- Water Pollution



- Air Pollution
- Solid Waste
- Hazardous Waste
- Quality in Health Care
- Computer
- Communication. Team Building

## Nursing

(15 Courses)

15/15

**Course Title** : **Psychiatry**

**Course Director** : **Prof.Dr. Hoda Zaki**

Professor of Nursing and Undersecretary of  
Central Nursing Department - MOHP

**Objectives** : Acquaint Nurses with up to date technical skills that  
enhance nurses performance

**Target candidates** : Nurses working in Psychiatry Hospital

**Course Duration** : 6 Days      **Theoretical** : (24hours)Lectures

**Contents** :

- Nurse patient relationship
- Principle of psychiatric nursing
- Psychiatric symptomatology
- ECT (Electro-Convulsive Therapy)



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- Activities therapy
    - Nursing care with psychological disturbance (depression, elation, anxiety, hostility, incongruous, apathy, lability).
  - Quality in Health Care. Nurse patient relationship
  - Computer. Communication. Team Building