

## Nursing

### Nursing Laboratories

Lab Name	Location	Person in Charge	Programs Served	Courses Served
Maternity & Child Health Nursing & Basic Life Support (BLS) Skills Lab	M23-158	<ul style="list-style-type: none"> <li>Hanan Al Tawil</li> </ul>	<ul style="list-style-type: none"> <li>Nursing Department</li> <li>Physiotherapy Department</li> </ul>	<ul style="list-style-type: none"> <li>Pediatric Health Nursing</li> <li>Maternity &amp; New Born Health Nursing</li> <li>BLS Training (as requested)</li> <li>Used by Physiotherapy Department (as requested)</li> </ul>
Fundamentals of Nursing & Adult Health Nursing Skills Lab	M23-159	<ul style="list-style-type: none"> <li>Muna Al -Tamimi</li> </ul>	<ul style="list-style-type: none"> <li>Nursing Department</li> </ul>	<ul style="list-style-type: none"> <li>Fundamental of Nursing</li> <li>Adult Health Nursing 1 – Practicum</li> <li>Adult Health Nursing 2-Practicum</li> <li>Consolidation of Nursing Practice</li> <li>Mental Health Nursing</li> </ul>
Physical Assessment & Critical Care Nursing Skills Lab	M23-161	<ul style="list-style-type: none"> <li>Amina Alblooshi</li> </ul>	<ul style="list-style-type: none"> <li>Nursing Department</li> </ul>	<ul style="list-style-type: none"> <li>Critical Care Nursing</li> <li>Physical Assessment</li> <li>Advanced Health Assessment</li> <li>Consolidation of Nursing Practice</li> </ul>

## PHYSICAL ASSESSMENT/ ADVANCED HEALTH ASSESSMENT LABORATORY



### INTRODUCTION

Students registered in the Physical Assessment course and Advanced Health Assessment course are trained in the Physical Assessment Skills Laboratory. These courses are designed to train students on the principles and skills used for the comprehensive health assessment of individual adults, the families and communities.

### EQUIPMENT AND INSTRUMENTS

- Simulators: Ear Examination Trainer, Kyoto Lung Sound Auscultation Trainer, Kyoto Cardiology Patient Simulator K, Multiple Heart Breath Sound Tutor
- Models: Torso Model, Skull, Reproduction, Breast Cancer, Shoulder, Hip, Arm, Knee, Ear, Heart
- Tools: Ophthalmoscopes, Illuminating Ear scope, Otoscope Tuning Forks
- Machines: Electronic Height and Weight Scale, Electronic Patient Beds, Television, CD Player, Projector

### EXPERIMENTS, SKILLS AND PROCEDURES

- Interviewing for Health History
- Physical Assessment Techniques: Inspection, Percussion, Palpation, Auscultation
- Physical Examination: Skin, Hair, Nails, Chest and Lung, Heart, Abdomen, Nervous System, Circulatory System

### TESTS AND SERVICES

- Screening Activities (Visual Acuity)
- Heart and Lung Auscultation
- Chest Anatomical Landmarks

## FUNDAMENTALS OF NURSING LABORATORY



### INTRODUCTION

Students registered in the Fundamentals of Nursing course are trained in the Fundamental of Nursing Skills Laboratory. The course is designed to train students in basic clinical skills to prepare them for practice. Students are required to demonstrate the skills in the laboratory and in the clinical setting.

### EQUIPMENT AND INSTRUMENTS

- Simulators: Vital Signs Monitoring
- Mannequins: Nursing Skills Training
- Models: Nasogastric Intubation, Ostomy Care
- Tools: Adult Sphygmomanometers, Stethoscopes, Thermometers, Transfer Boards, Crutches, Wheelchairs, Nasogastric Tubes
- Machines: Electronic Thermometers, Aneroid Electronic Sphygmomanometers

### EXPERIMENTS, SKILLS AND PROCEDURES

- Vital Signs
- Body Mechanics
- Hand Washing
- Safety
- Isolation Precautions
- Active and Passive Range of Motion Exercise
- Positioning, Moving, Turning and Transferring
- Changing an Unoccupied Bed
- Changing Surgical Bed
- Changing an Occupied Bed
- Bathing an Adult Client
- Providing Hair Care
- Providing Perineal-Genital Care
- Providing Foot Care

- Brushing and Flossing the Teeth
- Providing Special Oral Care for the Unconscious Client
- Assisting Client with Meal
- Inserting and Removing Nasogastric Tube
- Enteral Feeding (Nasogastric, Gastrostomy or Jejunostomy)
- Giving and Removing a Bedpan
- Administering an Enema
- Collecting a Stool Specimen
- Applying External Urinary Catheter
- Collecting Specimen (Gastric Aspiration, Urine Specimen and Stool Specimen)
- Assessing and Measuring Urinary Output and Changing a Urinary Drainage Bag
- Collecting a Urine Specimen for Culture and Sensitivity (C&S) from a Foley's (Retention) Catheter or Drainage Tube
- Nursing Process
- Nursing Documentation

#### **TESTS AND SERVICES**

- Assessment of Vital Signs (Body Temperature, Respiration, Pulse and Blood Pressure)
- Positioning, Moving and Transferring Clients
- Nasogastric Tube (Insertion and Feeding)
- Feeding (Gastrostomy and Jejunostomy)
- Urine Test (Albumin, Sugar, Ketones and pH)
- Urinary Catheter Care

## ADULT HEALTH NURSING PRACTICUM (1)

## ADULT HEALTH NURSING PRACTICUM (2)



### INTRODUCTION

Students registered in the Adult Health Nursing (1)/ Practicum course and Adult Health Nursing (2)/ Practicum course are trained in the Adult Health Nursing Skills Laboratory. These courses are designed to train students clinical skills related to nursing care of adult/ elderly clients in acute care settings.

### EQUIPMENT AND INSTRUMENTS

- Simulators
- Mannequins: KERI Nursing Skills Training, Delux Nursing Skills Training
- Models: Wounds and Drains Care, Ostomy Care, Urinary Catheterization, Surgical Bandaging, Injection Trainers
- Tools: Aneroid and Electronic Sphygmomanometers, Electronic Thermometer, Wheelchairs and Crutches, Glucometers, Peakflow Meters, Spirometers, Pulse Oximeters
- Machines: Intravenous Fluid Administration Pumps, Suction Machines, Oxygen Cylinders

### EXPERIMENTS, SKILLS AND PROCEDURES

- Medical and Surgical Asepsis
- Wound and Drain Care
- Ostomy Care (Urinary and Bowel Diversions)
- Preparing (Drawing a Medication from a Vial or Ampoule) and Administering Medications (Oral, Topical, Inhaler, Intradermal, Subcutaneous, Intramuscular and Intravenous Routes)
- Oxygen Therapy
- Chest Physiotherapy and Postural Drainage
- Nasopharyngeal Suctioning
- Collecting Specimens for Diagnostic Tests
- Inserting Internal (Indwelling) Urinary Catheter

## TESTS AND SERVICES

- Monitoring of Blood Glucose Level Using Glucometer
- Wound Care (Sterile Dressing Techniques, Suture and Staple Care and Removal and Drain Care and Removal)
- Preparation and Administration of Parenteral Medications (Intradermal, Intramuscular, Subcutaneous and Intravenous)



## MATERNITY AND NEWBORN HEALTH NURSING/ PRACTICUM LABORATORY



### INTRODUCTION

Students registered in the Maternity and Newborn Health Nursing/ Practicum course are trained in the Maternal and Newborn Health Nursing Skills Laboratory. The course is designed to train students in clinical skills that prepare them for the care of pregnant women during antenatal, labor, and postnatal periods, together with rendering care to new born babies in the clinical setting.

### EQUIPMENT AND INSTRUMENTS

- Simulators: Maternal Neonatal Birthing
- Mannequins: Obstetrical and Gynecological Trainers
- Models: Fetal Skull with Female Pelvis, Breast Milk Expression, Female Pelvic Examination, Female Pelvic Organs, Anal Sphincters, Abdominal Palpation, Episiotomy Suturing, Baby Care
- Tools: Sphygmomanometers, Digital Thermometers, Vaginal Speculums
- Machines: Electronic Neonatal Weight and Height Measuring Scales, Electronic Pediatric Sphygmomanometers

### EXPERIMENTS, SKILLS AND PROCEDURES

- Maternal Health Assessment (Computing Expected Date of Delivery and Abdominal Contractions, Fundus Height Measurement, Fetal Presentation and Lie Identification, Vaginal Examination, Uterine Involution and Lochia Assessment)
- Assisting with Labor and Delivery
- Cardiotocography and Fetal Monitoring
- Breast Feeding and Lactation
- Neonatal Health Assessment : Vital Signs (Body Temperature, Apical Pulse, Respiratory Rate, Blood Pressure), Growth Parameters (Height, Weight, Head and Chest Circumferences, Reflexes)

- Handling and Draping Neonates
- Neonate Bathing and Cord Care
- Conducting Health Education

#### **TESTS AND SERVICES**

- Assessment of Maternal Health (Computing Expected Date of Delivery, Fetal Monitoring)
- Assessment of Maternal and Neonatal Vital Signs
- Screening Activities (Growth, Urine Tests for Albumin, Glucose, Ketones and pH)
- Educating on Antenatal, Intranatal and Postnatal Exercises



## PEDIATRIC HEALTH NURSING/ PRACTICUM LABORATORY



### INTRODUCTION

Students registered in the Pediatric Health Nursing/ Practicum course are trained in the Child Health Nursing Skills Laboratory. The course is designed to train students in clinical skills that prepare them for the care of children and their families in clinical settings.

### EQUIPMENT AND INSTRUMENTS

- Simulators: New Born Pedi Simulator, Pediatric HAL
- Mannequins: Pediatric Nursing Skills Trainers
- Tools: Pediatric Sphygmomanometers, Digital Thermometers, Pediatric Oximeters
- Machines: Electronic Height and Weight Measuring Scales, Electronic Pediatric Sphygmomanometers

### EXPERIMENTS, SKILLS AND PROCEDURES

- Physical Examination of Children: Vital Signs (Body Temperature, Pulse, Respiratory Rate, Blood Pressure), Growth Parameters (Height, Weight, Head and Chest Circumferences)
- Pediatric Medication Administration (Oral, Otic, Ophthalmic and Rectal Medications, Nebulizers, Intradermal and Intramuscular Injections)
- Positioning and Restraining of Children
- Enteral Tube Feeding Administration (Nasogastric, Gastostomy)
- Obtaining Samples (Specimens) for Diagnostic Procedures (Capillary Puncture, Sputum, Urine and Stool Specimens)
- Conducting Health Education

### TESTS AND SERVICES

- Assessment of Vital Signs for Children (Body Temperature and Blood Pressure)
- Screening Activities (Growth)
- Preparation and Administration of Pediatric Medications (Intradermal and Intramuscular)

## CRITICAL CARE NURSING / PRACTICUM LABORATORY



### INTRODUCTION

Students registered in Critical Care Nursing/ Practicum course are trained in the Critical Care Nursing Skills Laboratory. The course is designed to train students in advanced clinical skills that prepare them for the care of critically- ill adults and elderly clients in critical care settings.

### EQUIPMENT AND INSTRUMENTS

- Simulator: HAL S1020 Articulating Adult Simulator, Laerdal ALS Skill Master Simulator, Code Blue Adult Simulator with Defibrillator
- Models: Intra Venous Training Arm, Tracheostomy Care Trainer
- Tools: Ambu Bag, Airways, Pulse Oximetry, Oxygen Cylinders, Emergency Trolley, IV Stands, Trolleys
- Machines: Suction Machines, Infusion Pumps, Cardiac Monitor, Syringe Pump, ECG Machine

### EXPERIMENTS, SKILLS AND PROCEDURES

- Endotracheal/ Tracheostomy Tube Suctioning
- Endotracheal/ Tracheostomy Tube Care
- Initiating Cardiac Monitor
- Interpreting ECG Strip (Identifying Dysrhythmias Arising from the SA Node, Atria, Ventricles, and AV Block)

### TESTS AND SERVICES

- Suctioning Artificial Airways
- Care of Artificial Airways
- Basic Life Support & AED
- Arterial Blood Sampling