



COLLEGE OF
**HEALTH
SCIENCES**



NURSING DEPARTMENT

Nursing Laboratories

Lab Name	Location	Person in Charge	Programs Served	Courses Served
- Maternity & Child Health - Nursing & Basic Life Support (BLS) Skills Lab	M23-158	Muna Al -Tamimi	- Nursing Dept. - Physiotherapy Dept.	- Pediatric Health Nursing - Maternity & New Born Health Nursing - BLS Training
- Fundamentals of Nursing	M23-159	Muna Al-Tamimi	Nursing Dept.	- Fundamental of Nursing - Consolidation of Nursing Practice - Mental Health Nursing
- Adult Health Nursing Skills Lab	M23-199D	Janisha Kavumpurath	Nursing Dept.	- Adult Health Nursing - Practicum 1&2 - Consolidation of Nursing Practice
- Physical Assessment & Critical Care Nursing Skills Lab	M23-161	Amina Alblooshi	Nursing Dept.	- Critical Care Nursing - Physical Assessment - Advanced Health Assessment - Consolidation of Nursing Practice

Postgraduate Master Program

Lab Name	Location	Person in Charge	Programs Served	Courses Served
Physical Assessment & Critical Care Nursing Skills Lab	M23-161	Amina Alblooshi	- Nursing Dept. Master program	- Advanced Adult Critical Care Nursing practicum 1 & 2 - Health Assessment for Advanced Critical Care Nursing Practice

Nursing Lab Staff

#	Name	Ext.	Email
1	Janisha Kavumpurath	065057562	janisha@sharjah.ac.ae
2	Muna Salem Al tamimi	065057543	mal-tamimi@sharjah.ac.ae
3	Amina Al Boloshi	065057528	aalboloshi@sharjah.ac.ae

PHYSICAL ASSESSMENT/ ADVANCED HEALTH ASSESSMENT LABORATORY



Location	Lab Staff in Charge	Contacts
M23-161	Amina Alblooshi	065057528

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, families and communities.

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

TESTS & SERVICES

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

FUNDAMENTALS OF NURSING LABORATORY



Location	Lab Staff in Charge	Contacts
M23-159	Muna Al-Tamimi	065057543

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

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- 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 & 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 & 2) LABORATORY



Location	Lab Staff in Charge	Contacts
M23-199-D	Janisha Kavumpurath	065057562

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 & 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 & 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



Location	Lab Staff in Charge	Contacts
M23-158	Muna Al-Tamimi	065057543

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 newborn babies in the clinical setting.

EQUIPMENT & 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)

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

TESTS & 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



Location	Lab Staff in Charge	Contacts
M23-158	Muna Al-Tamimi	065057543

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 & INSTRUMENTS

- Simulators: Newborn 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 & 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



Location	Lab Staff in Charge	Contacts
M23-161	Amina Alblooshi	065057528

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 & 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 & SERVICES

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

CRITICAL CARE NURSING / PRACTICUM LABORATORY

(Adult Critical Care Nursing Master Program)



Location	Lab Staff in Charge	Contacts
M23-161	Amina Alblooshi	065057528

INTRODUCTION

Master students registered in Adult Critical Care Nursing/ Practicum course (Master Program) are trained in the Critical Care Nursing Skills Laboratory. The course is designed to provide master students with the opportunity to apply knowledge gained from the theory in the management of complex problems and deliver holistic care to critically ill patients and family using a multidisciplinary approach.

EQUIPMENT & 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, ETT
- Machines: Suction Machines, Infusion Pumps, Cardiac Monitor, Syringe Pump, ECG Machine

EXPERIMENTS, SKILLS AND PROCEDURES

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

TESTS & SERVICES

- Airways Management

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- Care of invasive lines
 - Defibrillation & Cardioversion
 - Advanced cardiac Life Support
 - Cardiac Pacemakers
 - Hemodynamic Monitoring
 - Peritoneal lavage
 - ICP monitoring
 - Esophagogastric Tamponade Tube
 - Trauma management simulation

HEALTH ASSESSMENT FOR ADVANCED CRITICAL CARE NURSING PRACTICE LABORATORY



Location	Lab Staff in Charge	Contacts
M23-161	Amina Alblooshi	065057528

INTRODUCTION

Master students registered in the Health Assessment for Advanced Critical Care Nursing Practice course are trained in the Physical Assessment Skills Laboratory. This course is designed to help critical care nurses develop advanced clinical assessment skills, focusing on the essential technology and procedures utilized in the management of the critically ill. During laboratory/clinical experiences psychomotor skills and the use of advanced technologies will be developed, this course also enables the students to differentiate abnormal from normal findings using advanced assessment techniques.

EQUIPMENT & 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 & PROCEDURES

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

TESTS & SERVICES

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