





Table of Content

Contents

Description:	3
Overview:	3
Faculty Responsible for Course Conduction:	4
Details of Supporting Staff:	4
Objectives & Learning Strategies/TOS:	5
Curriculum Map for Health-Care Professionals:	6
Learning Resources:	10
Additional Learning Resources:	10
Assessment Methods:	10
Internal Assessment Criteria:	11
Examination Rules & Regulations:	11
Feedback on Examination:	12
Model Question:	12
Prenared Ry: Department of Medical Education & Research	12



STUDY GUIDE

Class Name Department Name

Description:

This Study Guide is an overview of the skill lab of Women Medical College. In this lab students and trainees from the hospital learn through practicing skills on mannequins by demonstration videos, presentations, and group discussions. The detail of different classes, and workshops is given below in the document.

Overview:

Program	Bachelor of Medicine, Bachelor of Surgery	
Infrastructure Requirements	Skill's Lab	

Contact Hours/Year			
2 nd Year MBBS	8 hours		
3 rd year MBBS	34 hours		



Faculty Responsible for Course Conduction:

Sr. No	Faculty	Designation
1	Prof Dr Asma Shaukat	HOD Pharmacology
2	Dr Shamsa	Lecturer Pharmacology
3	Dr Saad	AP Pediatrics
4	Dr Atif	AP Surgery
5	Dr Ramsha	Lecturer Physiology
6	Dr Kinza	Lecturer Physiology
7	Dr Arusa	Medicine
8	Maam Farzana Qazi	Nurse Skill Lab

Details of Supporting Staff:

Sr. No	Staff	Designation
1	Farzana Bibi	Encharge Skill lab
2	Bashir	Assistant DME



Objectives & Learning Strategies/TOS:

S.No	Class	Topic	Topic Learning Outcomes		Mode of Teaching	Assessment Tools
1		IV	 Use of electronic IV training hand. Demonstrate puncture practices. 	2 hrs	Demons- tration	Formative Assessment
2	2 nd	IM	 Use of electronic IM training arm. Demonstrate puncture practices. 	2 hrs	Demons- tration	Formative Assessment
3	Year MBBS	CPR	 Perform rescue measures on simulation. Perform CPR on a infant manikin. 	2 hrs	Demonstration/ SGD	Formative Assessment
4		Catheteri- zation	Demonstrate how to insert catheter.	2 hrs	Demonstration	Formative Assessment
5	3 rd Year MBBS	Airway Intubation Simulator	 Interpret accurate landmarks for the placement of endotracheal tube. Demonstrate the placement of endotracheal tube in the airway intubation stimulator. Employ the technical skills for Endotracheal intubation and surgical airway access. 	6 hrs	Demonstration followed by discussion	OSCE
6		Catheteriz- ation	 Insert the catheter tube to drain the bladder. Apply the technical skills for the placement of foley's catheter. Demonstrate how to resuscitate and stabilize the patient. 	6hrs	Demonstration followed by discussion	OSCE



7	Auscul- tation Manikin	 illustrate accurate anatomical landmarks for placing stethoscope. Practice using stethoscope to identify an extensive range of lifelike heart, breath, bowel and bruit sounds. 	4 hrs	Demonstration followed by discussion	OSCE/ Formative assessment
8	Electronic IV Training	 Interpret accurate anatomical landmarks for IV Injection. Practice IV route administration. 	4 hrs	Demonstration followed by discussion	OSCE/ Formative assessment
9	IM	 Interpret accurate anatomical landmarks for IM Injection. Practice IM route administration. 	4 hrs	Demonstration followed by discussion	OSCE/ Formative assessment
10	Infant CPR	 Practice how to rescue breathing, which provides oxygen to the lungs of the infant. 	6 hrs	Demonstration followed by discussion	OSCE/Formative assessment
11	Maternal and neonatal delivery emergency simulator	 Discuss the procedure of episiotomy. Observe how to avoid the tear of muscles and facia. 	4 hrs	Demonstration followed by discussion	Formative assessment

Curriculum Map for Health-Care Professionals:

S. No	Course	Topic	Learning Outcomes	Mode of Teaching
1		Passing IV Canula	Demonstrate how to secure IV line in emergency situations.	Demonstration
2	PCPNC	Giving IM injection	Demonstrate how to inject Intramuscular drugs.	Demonstration
3		Giving Magnesium Sulphate	Perform the administration of emergency of drugs, including Magnesium Sulphate and Diazepam through IV and IM injections	Demonstration



4		Female Catheterization	Practice by getting hands on in female catheterization.	Demonstration
5		Repair the Tear	Perform hands on practice on how to repair the tear.	Demonstration
6		Vaginal Examination	Perform Vaginal Examination.	Demonstration
7		Partograph	Practice how to plot partograph.	Demonstration
8		Manual Removal of Placenta	Practice the manual removal of the placenta	Demonstration
9		Breech Delivery	Practice the skill of breech delivery	Demonstration
10		Stuck Shoulders	Practice the skill of stuck shoulders	Demonstration
11		Multiple/Twin Birth	Practice the skill of multiple/twin birth.	Demonstration
12	BCLS	CPR	Perform CPR effectively for adult and infant casualties	Demonstration
13		Choking Relief	Demonstrate the Choking relief for conscious and unconscious adult and infant casualties	Demonstration
14		Automated external defibrillator,	Use an automated external defibrillator, AED correctly, safely and swiftly	Demonstration
15		BLS	Perform prompt, high-quality BLS, including prioritizing early chest compressions and integrating early AED use.	Demonstration



16		Early management of cardiac arrest	Perform early management of cardiac arrest until termination of resuscitation or transfer of care.	Demonstration
17	ACLS	Early management of bradyarrhythmias	Perform early management of bradyarrhythmias that may result in cardiac arrest or complicate resuscitation.	Demonstration
18		Early management of tachyarrhythmias	Perform early management of tachyarrhythmias that may result in cardiac arrest or complicate resuscitation.	Demonstration
19		Early management of cardiac arrest	Perform early management of cardiac arrest until termination of resuscitation or transfer of care, including immediate post-cardiac arrest care.	Demonstration

Clinical Skill Development:

S.NO	Workshops	Organizer	Total Days
1	Pregnancy, Childbirth, Postpartum & Newborn Care	World Health Organization & PMU, Primary Care Project Directorate General Health Services, KP.	7 days course
2	ACLS/BCLS	Department of Cardiology JIHA	1 Day
3	ACLS/BCLS	Department of Cardiology JIHA	1 Day



4	Pregnancy, Childbirth, Postpartum &		7 days course
	Newborn Care	Health Services,	
		KP in	
		collaboration with	
		UNICEF Pakistan.	



Learning Resources:

Sr. No	Text/ Reference Books	Edition
1	Lab Manuals	Edition 1 WMC

Additional Learning Resources:

Videos	https://www.youtube.com/watch?v=ex90Nui S5k https://www.youtube.com/watch?v=6THKEJ Ciag https://www.youtube.com/watch?v=8CwLSenUWnw https://www.youtube.com/watch?v=sE0aXFKcz7I	
Internet	https://www.ijohs.com/	
Resources	International Journal of Healthcare simulation	

Assessment Methods:

Objective Structured Clinical Examination

- 1. OSCE stations are used for formative as well as summative assessments.
- 2. The time allocated for each station is five minutes as per the Examination rules of Khyber Medical University, Peshawar.
- 3. All students are rotated through the same stations.
- 4. The stations used are observed and interactive.
- 5. On interactive station, examiner ask questions related to the task within the allocated time.



Internal Assessment Criteria:

1. Internal Assessment of each block according to the policy of Khyber Medical University is given below.

	Paper G = 14
Total Marks	Paper H = 13
	Paper I = 13

- 2. This Internal Assessment will comprise of following components
 - a) Attendance
 - b) Block Examination Results
 - c) Logbooks

Examination Rules & Regulations:

- Exam Cell conducts the End of Module and Block Assessments according to the blueprint provided by the Khyber Medical University, marks of which will be included in internal assessment.
- The minimum passing marks in each subject shall be 50% in theory and practical.
 A student who fails in theory or practical examination of a subject shall be considered to have failed in the subject.
- 3. No student is eligible for university examination without attending at least 75% of lecturers, demonstrations, tutorials, and practical/clinical work in both inpatient and out-patient departments in that academic session.



Feedback on Examination:

- 1. Students' feedback on assessment strategies will be taken in a preformed proforma for feedback at the end of the session.
- 2. Department of Medical Education & Quality Enhancement Cell in collaboration with Exam Cell of WDC is responsible to conduct this exercise.

Model Question:

OSCE Station

Demonstrate the IV infusion on the electronic simulated arm

Key:

- Introduce yourself
- Sanitize your hands using alcohol cleanser
- Re-check the vein
- Clean the patient's skin with the alcohol wipe
- Remove the needle cover
- A flashback of blood is seen in the hub
- Advance the rest of the cannula into the vein
- Remove the needle

Prepared By: <u>Department of Medical Education & Research</u>