



Foundation-III MODULE

Final Year MBBS

Table of Contents

Khyber Medical University (KMU) Vision:	3
Khyber Medical University (KMU) Mission:.....	3
Institute of Health Professions Education & Research (IHPER) Mission:	3
Learning Objectives	5
Specific Learning Objectives.....	6

Khyber Medical University (KMU) Vision:

Khyber Medical University will be the global leader in health sciences academics and research for efficient and compassionate health care.

Khyber Medical University (KMU) Mission:

Khyber Medical University aims to promote professional competence through learning and innovation for providing comprehensive quality health care to the nation.

Institute of Health Professions Education & Research (IHPER) Mission:

To produce leaders, innovators and researchers in health professions education who can apply global knowledge to resolve local issues.

Themes

Table 1 : Themes

S#	Theme	Duration in Weeks
1	The In-Patients	1
2	Peri-operative Care	1

Learning Objectives

By the end of Foundation-III modules, Final Year MBBS students will be able to:

- 1) Discuss the process of Evidence-based medicine/practice.
- 2) Explain the concepts and processes of patient safety and types of medical errors.
- 3) Explain the objectives and process of clinical audit and governance.
- 4) Discuss the principles of communications skills, counseling, and breaking bad news.
- 5) Discuss the psychological aspects of patient care in hospital and ambulatory care settings.
- 6) Explain the concepts of surgical skills, perioperative, intraoperative, and postoperative care.
- 7) Discuss the concepts of palliative and end-of-life care.
- 8) Explain the concepts of developmental assessment in pediatrics.

Specific Learning Objectives

Table 3: Learning Objectives Theme Wise

Theme-1: The in-patient					
Subject	Topic	Hours	S. No	Domain of learning	Learning objectives:
Medical Education	Clinical decision making (Evidence-based Medicine)	1	1	Cognitive	Define Evidence Based Medicine.
			2	Cognitive	Explain the steps of evidence-based medicine/practice
			3	Cognitive	Discuss the levels of evidence.
	Patient safety	1	4	Cognitive	Explain the concepts of patient safety.
			5	Cognitive	Discuss the types, etiology, and prevention of medical errors.
	Clinical governance and clinical audit	1	6	Cognitive	Explain the components of clinical governance.
			7	Cognitive	Explain the steps of clinical audit.
Patient and family counselling/breaking bad news	1	8	Cognitive	Explain the steps of SPIKES model of breaking bad news and counselling.	
Psychiatry	Family health education	1	9	Cognitive	Explain the care of a patient at home especially for chronic illnesses

			10	Cognitive	To enhance the compliance of both pharmacological and nonpharmacological management in acute and chronic illnesses
			11	Cognitive	Explain strategies to reduce follow up tertiary care visits
	Initial psychiatric assessment	1	12	Cognitive	Discuss the initial psychiatric assessment of a patient admitted.
Surgery	Basic surgical skills	1	13	Cognitive	Explain the principles of patient care and safety in operation theatre / surgical safety checklists
			14	Cognitive	Explain the principles of skin and abdominal incisions
			15	Cognitive	Explain the principles of wound closure and drain usage and diathermy
	Laparoscopic and robotic surgery	1	16	Cognitive	Explain the principles, advantages, disadvantages, indications, and complications of Laparoscopic and Robotic surgery.
	Surgical informed consent	1	17	Cognitive	Explain the types and components of informed consent in surgical practice.
	Nutrition and fluid therapy	1	18	Cognitive	Assess the fluid and electrolytes requirements in pre- and post-operative patients.
			19	Cognitive	Explain the different methods of providing nutritional support and their complications.
	Postoperative care	1	20	Cognitive	Explain the standards of postoperative care.

			21	Cognitive	Discuss the general and system specific postoperative complications.
Radiology	Diagnostic imaging	1	22	Cognitive	Describe the basic principles of radiation protection
			23	Cognitive	Explain the types and principles of different imaging techniques and their indications.
Medicine	End-of-Life and palliative care	1	24	Cognitive	Discuss the steps and prerequisites of end of life and palliative care.
	Geriatric Care		25	Cognitive	Explain the concepts of geriatric care and problems associated with it.
Pediatrics	Pediatric history taking and physical examination	1	26	Psychomotor	Take history from parents from neonatal age to pediatric age.
			27	Psychomotor	Perform physical examination in a neonate and pediatric age group patient including growth parameters.
	Developmental assessment	1	28	Cognitive	Perform development assessment of a child
			29	Cognitive	Explain the components of developmental assessment in children of different age groups

Theme-2: Perioperative Care

Subject	Topic	Hours	S. No	Domain of learning	Learning objectives:
Surgery	Enhanced Recovery after Surgery (ERAS)	1	30	Cognitive	Describe the ERAS protocol
			31	Cognitive	Discuss the components of ERAS protocol
			32	Cognitive	Explain the benefits of ERAS
	Pain Management	1	33	Cognitive	Evaluate a patient with postoperative pain
			34	Cognitive	Manage a patient with pain during perioperative phase
			35	Cognitive	Discuss the pathophysiological consequences of postoperative pain
Medicine	Preoperative evaluation and fitness for anesthesia and surgery	1	36	Cognitive	Evaluate a patient for fitness for surgery and anesthesia.