

# Allied Medical Specialties

Pulmonology | Cardiology | Radiology | Psychiatry | Neurology | Dermatology

Women Medical College, Abbottabad | Affiliated with Khyber Medical University (KMU) | Strictly per KMU IHPER Module Documents

| MODULE                                       | SUBJECT                                       | TOPIC                  | LEARNING OUTCOMES (LOs)                                                                                                                                                                                                                                                                                                                                 | HOURS | MITs (Mode of Teaching)                                      | ASSESSMENTS                          |
|----------------------------------------------|-----------------------------------------------|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|--------------------------------------------------------------|--------------------------------------|
| <b>1. PULMONOLOGY (Respiratory System)</b>   |                                               |                        |                                                                                                                                                                                                                                                                                                                                                         |       |                                                              |                                      |
| <i>YEAR 1 — 1st Professional</i>             |                                               |                        |                                                                                                                                                                                                                                                                                                                                                         |       |                                                              |                                      |
| NIL                                          | Pulmonology not present in any Year 1 module  | NIL                    | NIL                                                                                                                                                                                                                                                                                                                                                     | NIL   | NIL                                                          | NIL                                  |
| <i>YEAR 2 — 2nd Professional</i>             |                                               |                        |                                                                                                                                                                                                                                                                                                                                                         |       |                                                              |                                      |
| NIL                                          | Pulmonology not present in any Year 2 module  | NIL                    | NIL                                                                                                                                                                                                                                                                                                                                                     | NIL   | NIL                                                          | NIL                                  |
| <i>YEAR 3 — 3rd Professional</i>             |                                               |                        |                                                                                                                                                                                                                                                                                                                                                         |       |                                                              |                                      |
| NIL                                          | Pulmonology not present as a module in Year 3 | NIL                    | NIL                                                                                                                                                                                                                                                                                                                                                     | NIL   | NIL                                                          | NIL                                  |
| <i>YEAR 4 — 4th Professional</i>             |                                               |                        |                                                                                                                                                                                                                                                                                                                                                         |       |                                                              |                                      |
| NIL                                          | Pulmonology not present as a module in Year 4 | NIL                    | NIL                                                                                                                                                                                                                                                                                                                                                     | NIL   | NIL                                                          | NIL                                  |
| <i>YEAR 5 — Final Professional</i>           |                                               |                        |                                                                                                                                                                                                                                                                                                                                                         |       |                                                              |                                      |
| Cardiorespiratory Module                     | Pulmonology                                   | Respiratory Failure    | 1.Explain the types, etiology, and pathogenesis of Respiratory Failure<br>2.Discuss the diagnostic workup and management for Respiratory Failure<br>3.Discuss the types, indications, and approaches to Oxygen therapy                                                                                                                                  | 1     | Bedside Teaching, Ward Rounds, CBL, Tutorials, OSCE Practice | MCQs<br>OSCE<br>Structured Long Case |
| <b>2. CARDIOLOGY (Cardiovascular System)</b> |                                               |                        |                                                                                                                                                                                                                                                                                                                                                         |       |                                                              |                                      |
| <i>YEAR 1 — 1st Professional</i>             |                                               |                        |                                                                                                                                                                                                                                                                                                                                                         |       |                                                              |                                      |
| NIL                                          | Cardiology not present in any Year 1 module   | NIL                    | NIL                                                                                                                                                                                                                                                                                                                                                     | NIL   | NIL                                                          | NIL                                  |
| <i>YEAR 2 — 2nd Professional</i>             |                                               |                        |                                                                                                                                                                                                                                                                                                                                                         |       |                                                              |                                      |
| NIL                                          | Cardiology not present in any Year 2 module   | NIL                    | NIL                                                                                                                                                                                                                                                                                                                                                     | NIL   | NIL                                                          | NIL                                  |
| <i>YEAR 3 — 3rd Professional</i>             |                                               |                        |                                                                                                                                                                                                                                                                                                                                                         |       |                                                              |                                      |
| CVS-II Module                                | General Medicine / Cardiology                 | Coronary Heart disease | 1.Discuss CAD risk factors and strategies to reduce them<br>2.Discuss strategies for primary and secondary prevention of CHD in outpatient setting<br>3.Define chronic stable angina, its clinical signs and symptoms, laboratory findings, imaging techniques for assessment of it and management protocols<br>4.Discuss coronary vasospasm and angina | 1     | Bedside Teaching, CBL, Ward Rounds, SDL                      | MCQs<br>SEQs<br>OSCE                 |

| Module                                                      | Subject                                                | Topic                                                        | Learning Outcomes (LOs)                                                                                                                                                                                                                                                                                                                                                                                                                                 | Hours | MITs (Mode of Teaching)                                                    | Assessments                          |
|-------------------------------------------------------------|--------------------------------------------------------|--------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|----------------------------------------------------------------------------|--------------------------------------|
|                                                             |                                                        |                                                              | with normal coronary angiograms                                                                                                                                                                                                                                                                                                                                                                                                                         |       |                                                                            |                                      |
| CVS-II Module                                               | General Medicine / Cardiology                          | 1. Acute coronary syndrome<br>2. Hypertrophic cardiomyopathy | 1. Define Acute coronary syndrome<br>2. Explain the spectrum of illness in ACS and relevant management steps<br>3. Describe the clinical features and steps of the management of<br>4. Myocardial infarction<br>5. Describe risk stratification in myocardial infarction<br>6. Describe complications of acute MI<br>7. Discuss clinical features, imaging protocols, risk stratification and short/long-term management of hypertrophic cardiomyopathy | 1     | Bedside Teaching, CBL, Ward Rounds                                         | MCQs<br>SEQs<br>OSCE                 |
| YEAR 4 — 4th Professional                                   |                                                        |                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                         |       |                                                                            |                                      |
| NIL                                                         | Cardiology not present as a dedicated module in Year 4 | NIL                                                          | NIL                                                                                                                                                                                                                                                                                                                                                                                                                                                     | NIL   | NIL                                                                        | NIL                                  |
| YEAR 5 — Final Professional                                 |                                                        |                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                         |       |                                                                            |                                      |
| Cardiorespiratory                                           | Cardiology                                             | Cardiac intervention techniques                              | 1. Explain the different types, methods, and indications of cardiac interventions in cardiology practices                                                                                                                                                                                                                                                                                                                                               | 1     | Bedside Teaching, Ward Rounds, CBL, Tutorials, ECG Workshop, OSCE Practice | MCQs<br>OSCE<br>Structured Long Case |
| 3. RADIOLOGY (Integrated subject — not a standalone module) |                                                        |                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                         |       |                                                                            |                                      |
| YEAR 1 — 1st Professional                                   |                                                        |                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                         |       |                                                                            |                                      |
| NIL                                                         | Radiology not present in Year 1 modules                | NIL                                                          | NIL                                                                                                                                                                                                                                                                                                                                                                                                                                                     | NIL   | NIL                                                                        | NIL                                  |
| YEAR 2 — 2nd Professional                                   |                                                        |                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                         |       |                                                                            |                                      |
| NIL                                                         | Radiology not present in Year 2 modules                | NIL                                                          | NIL                                                                                                                                                                                                                                                                                                                                                                                                                                                     | NIL   | NIL                                                                        | NIL                                  |
| YEAR 3 — 3rd Professional                                   |                                                        |                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                         |       |                                                                            |                                      |
| MSK-II Module                                               | Radiology                                              | X-Ray Interpretation                                         | 1. Identify and interpret different types of fractures                                                                                                                                                                                                                                                                                                                                                                                                  | 1     | X-ray Viewing Sessions, Radiology Demonstrations, SDL                      | MCQs<br>OSPE                         |
| YEAR 4 — 4th Professional                                   |                                                        |                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                         |       |                                                                            |                                      |
| NIL                                                         | Radiology not present                                  | NIL                                                          | NIL                                                                                                                                                                                                                                                                                                                                                                                                                                                     | NIL   | NIL                                                                        | NIL                                  |
| YEAR 5 — Final Professional                                 |                                                        |                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                         |       |                                                                            |                                      |
| Foundation-3 Module                                         | Radiology                                              | Diagnostic imaging                                           | 1. Describe the basic principles of radiation protection<br>2. Explain the types and principles of different imaging techniques and their indications.                                                                                                                                                                                                                                                                                                  | 1     | Tutorials, OSCE Practice, CBL, Radiology Clinics                           | MCQs<br>OSPE                         |
| 4. PSYCHIATRY                                               |                                                        |                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                         |       |                                                                            |                                      |

| MODULE                           | SUBJECT                                  | TOPIC                                                                                                                                                                                                                   | LEARNING OUTCOMES (LOs)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | HOURS    | MITs (Mode of Teaching)                                 | ASSESSMENTS          |
|----------------------------------|------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|---------------------------------------------------------|----------------------|
| <b>YEAR 1 — 1st Professional</b> |                                          |                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |                                                         |                      |
| NIL                              | Psychiatry not present in Year 1 modules | NIL                                                                                                                                                                                                                     | NIL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | NIL      | NIL                                                     | NIL                  |
| <b>YEAR 2 — 2nd Professional</b> |                                          |                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |                                                         |                      |
| NIL                              | Psychiatry not present in Year 2 modules | NIL                                                                                                                                                                                                                     | NIL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | NIL      | NIL                                                     | NIL                  |
| <b>YEAR 3 — 3rd Professional</b> |                                          |                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |                                                         |                      |
| NIL                              | Psychiatry not present in Year 3 modules | NIL                                                                                                                                                                                                                     | NIL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | NIL      | NIL                                                     | NIL                  |
| <b>YEAR 4 — 4th Professional</b> |                                          |                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |                                                         |                      |
| <b>Neurosciences-II Module</b>   | Psychiatry                               | Sleep disorders<br>Non-organic insomnia<br>Sleep wake cycle disorders                                                                                                                                                   | 1. Describe types of sleep disorders<br>2. Explain pharmacological and non-pharmacological management of sleep disorders<br>3. Describe the ways of improving healthy sleep<br>4. Define non-organic insomnia<br>5. Explain the management of non-organic insomnia<br>6. Describe the concept of sleep-wake cycle disorder<br>7. Describe the pharmacological and nonpharmacological KMU management of sleep-wake wake cycle disorder                                                                                                                                                                                                                                                                                                                | <b>1</b> | Lectures, CBL, SDL, Psychiatry Ward                     | MCQs<br>SEQs         |
| <b>Neurosciences-II Module</b>   | Psychiatry                               | Depressive disorders<br>Bipolar Affective Disorder<br>Suicide<br>Anxiety Disorders<br>Dissociative disorders<br>Stress-related disorders<br>Somatoform disorders<br>Atypical depression and seasonal affective disorder | 1. Classify depressive disorders<br>2. Describe the aetiology, clinical features and management protocols of different depressive disorders<br>3. Describe the clinical features and management protocols of Bipolar affective disorders<br>4. Describe the preventive measures of suicide<br>5. Classify anxiety disorders<br>6. Differentiate between medical and psychiatric causes of anxiety<br>7. Differentiate between anxiety and phobia<br>8. Describe the pharmacological and nonpharmacological management of different anxiety disorders including relaxation techniques and breathing exercises<br>9. Explain the different behavioral and neurological presentations of dissociative disorders<br>10. Describe the pharmacological and | <b>2</b> | Lectures, CBL, SDL, Psychiatry OPD and Ward, Role Plays | MCQs<br>SEQs<br>OSCE |

| MODULE                         | SUBJECT    | TOPIC                                                                                                              | LEARNING OUTCOMES (LOs)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | HOURS    | MITs (Mode of Teaching)                                 | ASSESSMENTS          |
|--------------------------------|------------|--------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|---------------------------------------------------------|----------------------|
|                                |            |                                                                                                                    | nonpharmacological management of dissociative disorders<br>11. Classify stress related disorders<br>12. Explain the concept of stress in stress related disorders<br>13. Explain the pharmacological and non-pharmacological management of stress related disorders<br>14. Classify somatoform disorders<br>15. Describe the concept of medically unexplained symptoms<br>16. Counsel a patient with medically unexplained symptoms<br>17. Describe the clinical presentation of atypical depression<br>18. Recognize the symptoms of atypical depression<br>19. Describe the management of atypical depression and seasonal affective disorders                                                                                                                                                                                              |          |                                                         |                      |
| <b>Neurosciences-II Module</b> | Psychiatry | Personality disorders<br>Psychotic disorders<br>Schizophrenias<br>Delusional disorders<br>Substance abuse disorder | 1. Classify personality disorders<br>2. Describe the clinical features, diagnostic criteria and management of personality disorder<br>3. Differentiate between organic and non-organic psychosis<br>4. Explain the concept of psychosis<br>5. Classify psychotic disorders<br>6. Describe the clinical features, diagnostic criteria and management of Schizophrenias<br>7. Explain the role of psychotherapy and Electroconvulsive therapy in Schizophrenias<br>8. Describe the rehabilitations strategies with patients of Schizophrenias<br>9. Describe the types and management of delusional disorders<br>10. Describe the ways of differentiating delusional disorders from Schizophrenias<br>11. Describe the concept of drug dependence<br>12. Classify of drug abuse<br>13. Describe the principles of management of substance abuse | <b>1</b> | Lectures, CBL, SDL, Psychiatry OPD and Ward, Role Plays | MCQs<br>SEQs<br>OSCE |

| MODULE                  | SUBJECT    | TOPIC                  | LEARNING OUTCOMES (LOs)                                                                                                                                                                                                    | HOURS | MITs (Mode of Teaching)                                 | ASSESSMENTS          |
|-------------------------|------------|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|---------------------------------------------------------|----------------------|
|                         |            |                        | 14.Explain the concept of harm reduction                                                                                                                                                                                   |       |                                                         |                      |
| Neurosciences-II Module | Psychiatry | Chronic daily headache | 1.Differentiate between neurological and psychological headache (chronic tension headache)<br>2.Identify the red signs in patients with headache<br>3.Describe the principles of management of acute and chronic headaches | 1     | Lectures, CBL, SDL, Psychiatry OPD and Ward, Role Plays | MCQs<br>SEQs<br>OSCE |

#### YEAR 5 — Final Professional

|                        |            |                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                              |   |                                                       |              |
|------------------------|------------|--------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|-------------------------------------------------------|--------------|
| Neurosciences-3 Module | Psychiatry | PTSD<br>OCD                                                                    | 1.Explain the etiology and management of a patient with PTSD<br>2.Explain the etiology and management of a patient with OCD                                                                                                                                                                                                                                                                                                  | 1 | Bedside Teaching, CBL, Ward Rounds, Neurology Clinics | MCQs<br>OSCE |
| Neurosciences-3 Module | Psychiatry | 1.Somatic symptoms disorder<br>2.Autism spectrum disorder<br>3.Substance abuse | 1.Explain the etiology and management of a patient with Somatic symptoms disorder and Chronic pain syndromes<br>2.Explain the etiology and management of a child with autism spectrum disorder.<br>3.Explain the risk factors, types of substance abuse, clinical features, withdrawal symptoms, complications and management of a patient with substance abuse<br>4.Counsel and educate a family of a patient with Dementia | 1 | Bedside Teaching, CBL, Ward Rounds, Neurology Clinics | MCQs<br>OSCE |
| Neurosciences-3 Module | Psychiatry | Dystonia                                                                       | 1.Discuss the diagnostic approach and management for patients suspected of Drug-Induced Dystonia                                                                                                                                                                                                                                                                                                                             | 1 | Bedside Teaching, CBL, Ward Rounds, Neurology Clinics | MCQs<br>OSCE |

### 5. NEUROLOGY

#### YEAR 1 — 1st Professional

|     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|
| NIL | NIL | NIL | NIL | NIL | NIL | NIL |
|-----|-----|-----|-----|-----|-----|-----|

#### YEAR 2 — 2nd Professional

|     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|
| NIL | NIL | NIL | NIL | NIL | NIL | NIL |
|-----|-----|-----|-----|-----|-----|-----|

#### YEAR 3 — 3rd Professional

|     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|
| NIL | NIL | NIL | NIL | NIL | NIL | NIL |
|-----|-----|-----|-----|-----|-----|-----|

#### YEAR 4 — 4th Professional

|     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|
| NIL | NIL | NIL | NIL | NIL | NIL | NIL |
|-----|-----|-----|-----|-----|-----|-----|

#### YEAR 5 — Final Professional

|     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|
| NIL | NIL | NIL | NIL | NIL | NIL | NIL |
|-----|-----|-----|-----|-----|-----|-----|

### 6. DERMATOLOGY

#### YEAR 1 — 1st Professional

| MODULE                             | SUBJECT                                   | TOPIC                                                                              | LEARNING OUTCOMES (LOs)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | HOURS | MITs (Mode of Teaching)                                              | ASSESSMENTS                      |
|------------------------------------|-------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|----------------------------------------------------------------------|----------------------------------|
| NIL                                | Dermatology not present in Year 1 modules | NIL                                                                                | NIL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | NIL   | NIL                                                                  | NIL                              |
| <b>YEAR 2 — 2nd Professional</b>   |                                           |                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |       |                                                                      |                                  |
| NIL                                | Dermatology not present in Year 2 modules | NIL                                                                                | NIL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | NIL   | NIL                                                                  | NIL                              |
| <b>YEAR 3 — 3rd Professional</b>   |                                           |                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |       |                                                                      |                                  |
| MSK-II Module                      | Medicine / Dermatology                    | Important pathological terms with Clinical presentations                           | 1.Enlist and explain the clinical presentation of the following skin Lesions: • Macule • Papule • Nodule • Plaque • Vesicle • Bulla • Blister • Pustule • Scale • Lichenification • Excoriation • Hyperkeratosis • Parakeratosis • Acanthosis • Dyskeratosis • Acantholysis • Papillomatosis • Lentiginousspongiosis • Urticaria • Pemphigus • Bullous pemphigoid • Warts                                                                                                                                                                             | 1     | Lectures, Dermatology OPD Visits, CBL, SDL, Clinical Demonstrations  | MCQs OSCE                        |
| MSK-II Module                      | Medicine / Dermatology                    | Pre-malignant skin conditions<br>Malignant conditions of skin<br>Nevocellular Nevi | 1.Enlist the pre-malignant skin conditions<br>2.Explain their differential diagnosis on the basis of clinical presentations<br>3.Enlist the relevant investigations<br>4.Enlist the malignant conditions of skin (squamous and basal cell carcinoma)<br>5.Explain their differential diagnosis on the basis of clinical presentations<br>6.Enlist the relevant investigations<br>7.List the types of Nevocellular Nevi and discuss their differential diagnosis on the basis of their clinical presentations.<br>8.Enlist the relevant investigations | 1     | Lectures, Dermatology OPD Visits, CBL, SDL, Clinical Demonstrations  | MCQs OSCE                        |
| <b>YEAR 4 — 4th Professional</b>   |                                           |                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |       |                                                                      |                                  |
| NIL                                | Dermatology not present in Year 4 modules | NIL                                                                                | NIL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | NIL   | NIL                                                                  | NIL                              |
| <b>YEAR 5 — Final Professional</b> |                                           |                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |       |                                                                      |                                  |
| MSK-3 Module                       | Medicine (Dermatology)                    | Cutaneous manifestations of systemic diseases                                      | 1.Explain the common cutaneous manifestations of metabolic, endocrine, autoimmune, and neoplastic diseases                                                                                                                                                                                                                                                                                                                                                                                                                                            | 1     | Bedside Teaching, Dermatology Clinics, CBL, Tutorials, OSCE Practice | MCQs OSCE Structured Short Cases |
| MSK-3 Module                       | Medicine (Dermatology)                    | Drugs rash                                                                         | 1.Classify the different types of drug rashes<br>2.Explain the clinical manifestations,                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 1     | Lectures, Surgical Skills Lab, CBL,                                  | MCQs OSCE Structured Short Cases |

| MODULE              | SUBJECT                | TOPIC                                                                                                                                                                                  | LEARNING OUTCOMES (LOs)                                                                                                                                                                                                                                                                                                                                                             | HOURS    | MITs (Mode of Teaching)                                              | ASSESSMENTS                            |
|---------------------|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|----------------------------------------------------------------------|----------------------------------------|
|                     |                        |                                                                                                                                                                                        | differential diagnosis, and management of erythema multiforme/Steven Johnson/Toxic Epidermal Necrolysis.                                                                                                                                                                                                                                                                            |          | Surgical Ward Rounds                                                 |                                        |
| <b>MSK-3 Module</b> | Medicine (Dermatology) | Viral Infections of the skin • Chicken pox and Herpes Zoster • Warts (Human Papilloma Virus) • Molluscum Contagiosum • Cutaneous manifestation of AIDS                                 | 1.Explain the clinical manifestations, differential diagnosis and management of Chicken Pox and Herpes Zoster<br>2. Classify Warts<br>3.Explain the mode of transmission, differential diagnosis and management of warts<br>4.Explain the mode of transmission, clinical presentation, differential diagnosis, and management of Molluscum Contagiosum in children and adults       | <b>2</b> | Bedside Teaching, Dermatology Clinics, CBL, Tutorials, OSCE Practice | MCQs<br>OSCE<br>Structured Short Cases |
| <b>MSK-3 Module</b> | Medicine (Dermatology) | Acute Bacterial infections of the skin • Impetigo • Folliculitis • Furunculosis • Carbuncles<br>Chronic bacterial infections of the skin • Cutaneous Tuberculosis • Leprosy • Syphilis | 1.Describe the etiology, clinical features, and management of acute bacterial skin lesions described<br>2.Discuss the etiology, clinical features, and management of chronic bacterial skin lesions described                                                                                                                                                                       | <b>1</b> | Lectures, Surgical Skills Lab, CBL, Surgical Ward Rounds             | MCQs<br>OSCE<br>Structured Short Cases |
| <b>MSK-3 Module</b> | Medicine (Dermatology) | Fungal infections • Pityriasis versicolor • Dermatophytosis • Candidiasis<br>Sebaceous glands diseases<br>Acne                                                                         | 1.Explain the etiology, clinical features, and management of fungal infections described<br>2.Explain the different types of Acne<br>3.Explain the pathogenetic mechanisms, clinical features, complications, differential diagnosis, and management of Acne                                                                                                                        | <b>1</b> | Lectures, Surgical Skills Lab, CBL, Surgical Ward Rounds             | MCQs<br>OSCE<br>Structured Short Cases |
| <b>MSK-3 Module</b> | Medicine (Dermatology) | Autoimmune blistering disorders • Pemphigus Vulgaris • Bullous pemphigoid                                                                                                              | 1.Describe the etiology, clinical features, and management of diseases described                                                                                                                                                                                                                                                                                                    | <b>1</b> | Lectures, Surgical Skills Lab, CBL, Surgical Ward Rounds             | MCQs<br>OSCE<br>Structured Short Cases |
| <b>MSK-3 Module</b> | Medicine (Dermatology) | Eczemas<br>Inflammatory dermatosis • Psoriasis • Lichen Planus • Sebbhoric Dermatitis • Erythema Nodosum • Urticaria<br>Erythroderma                                                   | 1.Classify Eczema<br>2.Explain the clinical presentation, differential diagnosis and management of different types of Eczemas<br>3.Describe the etiology, clinical features, and management of diseases mentioned<br>4.Discuss the etiology, clinical presentation, differential diagnosis, and management of Erythroderma.<br>5.Take history form a patient with generalized Rash. | <b>1</b> | Lectures, Surgical Skills Lab, CBL, Surgical Ward Rounds             | MCQs<br>OSCE<br>Structured Short Cases |

| MODULE | SUBJECT | TOPIC | LEARNING OUTCOMES (LOs)                       | HOURS | MITs (Mode of Teaching) | ASSESSMENTS |
|--------|---------|-------|-----------------------------------------------|-------|-------------------------|-------------|
|        |         |       | 6.Counsel a patient suffering from Psoriasis. |       |                         |             |

Prepared per KMU IHPER Central Curriculum Framework | WMC DMER Office | 2025 | Note: NIL = subject not present in KMU module for that year