|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Course title** | **Code** | **Semester** | **Type of course** | **Course volume (Contact hours)** | **ECTS** |
| **Internal Medicine I** | **MED 4002** | **VIII** | **Mandatory** | **155** | **9** |
| **Faculty, the educational program and level of education** | * School of Medicine and Health Sciences * Higher Medical Educational Program “Medicine” * One cycle 6-year | | | | |

|  |
| --- |
| **Learning Course Content** |
| * Examination of Head and neck; History taking and physical examination of the Hematopoetic System; Signs and symptoms of the hematopoetic system; * Pathophysiology and Classification of Anemia; Peripheral Blood Examination. * Iron Deficiency Anemia; Megaloblastic Anemia; * Aplastic Anemia; PNH; MDS * Hemolytic Anemia; Microangiopathic Hemolytic Anemia; TTP/HUS * Hemophilia; Vitamin K Deficiency * Disseminated Intravascular Coagulation * Approach to patient with Bleeding Disorders; Principles of Blood Transfusion; Complications of Blood Transfusion; Approach to a patient with Splenomegaly; * Approach to a patient with Lymphadenopathies; Lymphoproliferative Disorders * Myeloproliferative Disease; Leucemia; Paraneoplastic Syndrome * Approach to patient with weakness, edema; fever; weight loss. * Adverse Drug Reactions * Intestinal Polyposis Syndromes ; Inflammatory Bowel Disease * Artritis; Tenosynovitis; Rheumatoid Arthritis; * Spondyloarthritis; Ankylosing Spondylitis * Psoriatic arthritis; Reactive arthritis, enteropatic arthritis; Arthrocentesis- * Osteoporosis; Malabsorption * Wilson Disease, Hemochromatosis * Cushing's Syndrome * Adrenal Insufficiency * Pheochromocytoma * Hirsutism, Gynecomastia * Polycystic Ovary Syndrome * Disease of hypophysis; Syndrome of Inappropriate Antidiuretic Hormone Secretion * Approach to and management of patients with diabetes mellitus; Treatment choices for patients with diabetes mellitus; * Acute Complications of Diabetes Mellitus; Hypoglycemia; Gestational Diabetes; Diabetes Insipidus; Endocrine emergencies * Diabetic Foot Infections; Fever; Fever of Unknown Origin (inc. Diptheria and Tuberculosis); Sepsis * Central Nervous System Infections (Pathogenesis and Epidemiology);Rational Antibiotic Use in CNS infections * Genitouinary Infections (Pathogenesis and Epidemiology); Urinary Tract Infections (Inc. Rational antibiotic use in UTI); Sexually Transmitted Infection * Gastointestinal system infestations; Food-borne and Gastrointestinal Infections; Food poisoning; Brusellosis * Skin and Soft Tissue , Bone Infections; Complicated SSTI; Life-threatening SSTI (Inc. Gaseous gangrene, Fournier, etc) * Rational antibiotic use in SST and bone infections; Ecchinococcus * Rational antibiotic use in GIS infections; Antimicrobial use and resistance * Hospital and Health Care Associated Infections (Definitons and Epidemiology) * Risk Factors for HI and HCAI; Infections in Immunosupressed Patients (in. Moniliasis); Prevention of HI and HCAI * Thyroiditis; Hypothyroidism; Goiter; Hyperthyroidism * Hypoparathyroidism; Hyperparathyroidism;Thyroid Cancer * Obesity; Dyslipidemia; Metabolic Syndrome * Secondary Hypertension * Abdominal Pain; Peptic Ulcus * Cholecystitis; Cholalithiasis * Acute Pancreatit; Chronic Pancreatit * Gastroesophageal Reflux Disease; Achalasia * Hepatic Encephalopathy * Gastrointestinal Cancer * Upper Gastrointestinal and Lower Gastrointestinal Bleeding * Gastrointestinal Motility Disorders * Irritable Bowel Syndrome * Introduction to infectious diseases; Infectious Risks for Healthcare Workers * Emerging Infections (Epidemiology and Predisposing Factors) MERS-CoVm SARS COV 2, Infections and Ebola * Crimean Congo Fever; Hanta and other Viral Hemorrhagic Fever; Lyme Disease * Acute Meningitis (inc. Meningococcemia); Chronic Meningitis * Encephalitis (in. Rabies)and Infectious mass lesions * HIV/AIDS; HIV/AIDS and Stigma * Gastroenteritis; Salmonella Infections * Tetanus, Malaria, Leishmaniasis, Mononucleosis Syndrome * Liver Function Tests; Differential Diagnosis and Serologic Evaluation * Acute Hepatitis and Chronic Hepatitis; Antiviral treatment for acute hepatitis Portal Hypertension * Cirrhosis of the liver; Ascites; Hepatosteatosis * Essential Hypertension * Nephrotic Syndrome * Acute Glomerulonephritis; Chronic Glomerulonephritis * Cystic Diseases of Kidney; Tubulointerstitial Diseases; Dehydratation * Acute Renal Failure; Chronic Renal Failure * Fluid and Electrolyte Imbalances; Acid-Base Disorders * General concepts and immunisation of adults and old age;Immunisation programs in high risk patients * Type of vaccınes,Components of Vaccine Chart; Controversy and Debate on Vaccination * Adverse Vaccine Reactions * Vaccines for SARS CoV2 * Systemic Lupus Erythematosus; Sjogren's Syndrome * Raynaud's Disease; Scleroderma; Polymyositis; Dermatomyositis * Familial Mediterranean Fever * Amyloidosis; Behcet's Disease * Gout; Adult onset Still disease * Vasculitis; Henoch-Schonlein Purpura; Fibromyalgia-Osteoarthritis |
| **Textbooks and Materials** |
| * Bates' Guide To Physical Examination And History Taking: Case Studies To Accompany-Prabhu, F. R; Lippincott Williams and Wilkins;13rd ed 2021; * Harrison's Principles of Internal Medicine-Dennis L.Kasper;Stephan L.Hauser; Mc Graw Hill Education; 21th.ed. 2022; * Cardiology- Fred F Ferri; PDxMD a Imprint of Elesevier Science; 2003; * Endocrinology: Adult and Pediatric-Larry Jameson; V-I.II; Saunders: 6th.ed. 2010; * Harrison's Hematology and Oncology- Longo,Dan; Harrison,Tinsley Randolph; McGraw Hill Education; 2nd.ed; 2013; * Infectious diseases Volume- Cohen J, Powderly W.G, Opal S.M; V- I-II; Elsevier Mosby; 3rd.ed; 2010; * The Evidence for Neurosurgery- Ghogawala, Zoher;Krishnaney,Ajit A; Castle Hill Barns; 1st.ed; 2012; * OSCE Cases with Mark Schemes: A Revision Aid for Medical Finals- Susan Shelmerdine; Tamara North; Anshan; 2012; |