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| **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
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| **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
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| **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;
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