|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Course title** | **Code** | **Semester** | **Type of course** | **Course volume (Contact hours)** | **ECTS** |
| **Orthopedics, Traumatology** | **MED 5005** | **IX** | **Mandatory** | **42** | **3** |
| **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** | |
| |  | | --- | | * Introduction to the course; General terminology, basic radiology; General principles of fracture management and bone healing; Conservative treatment methods for orthopedic trauma patients and casting techniques * Extremity Trauma: Upper extremity fractures and dislocations 1 (Hand, wrist and forearm, elbow, humerus and shoulder) Lower extremity fractures and dislocations 1 Hip, Femur, Knee, Cruris, Foot and ankle), Pelvic fractures & Management of the polytrauma patient. * Fracture complications (Open fractures & Compartment syndrome, malunion and nonunion, fat and thromboembolism, crush injury, compartment syndrome). Dislocations and complications of dislocations; Pediatric fractures and dislocations. * Hand & Wrist Disorders: Fractures & Tenosynovitis; Compression Neuropathies; Nerve Injuries. Foot & Ankle Disorders -1: Hallux Valgus & Hallux Rigidus & Foot deformities; Foot & Ankle Disorders -2: Tenosynovitis & Compressive Neuropathies & Other foot disorders * Sport Injuries. Bone and soft tissue tumors: Diagnosis & Treatment; * Evaluation and management of spinal trauma patient; Disorders of the spine (Spondylolisthesis & spondylolysis, lumbar spinal stenosis, cauda equina syndrome) Spinal infections (Spondylodiscitis & Pott's disease); * Osteoarthritis (Etiology, path mechanism, clinical and radiological evaluation and treatment); Surgical and nonsurgical management of osteoarthritis. * Bursitis, ligamentous disorders, tenosynovitis and other tendon disorders of the upper extremity * Infections: Osteomyelitis, septic arthritis, soft tissue infections; Osteonecrosis and osteochondrosis; Primary on pediatric fractures and dislocations; Spinal deformities (Scoliosis and kyphosis); Spinal infections (Spondylodiscitis & Pott's disease) * Congenital and developmental pediatric anomalies of lower extremity: Developmental Hip Dysplasia & Congenital Club foot; Birth injury (Brachial plexus);   Congenital and developmental pediatric anomalies of lower extremity: Perthes Disease & Cerebral Palsy  Congenital and developmental pediatric anomalies of upper extremity: Torticollis & Brachial Plexus Injury & Hemimelia | | |
| **Textbooks and Materials** | |
| * REVIEW OF ORTHOPAEDIC TRAUMA-BRINKER, MARK R; WOLTERS KLUWER HEALTH; 2ND.ED. 2013; * TEXTBOOK OF ORTHOPEDICS- EBNEZAR, JOHN; JAYPEE BROTHERS PUBLISHERS; 4H.ED. 2010; * TRAUMA CRITICAL CARE- WILSON, WILLIAM C; GRANDE,CHRISTOPHER M; İNFORMA HEALTHCARE; 2007; * OXFORD TEXTBOOK OF TRAUMA AND ORTHOPAEDICS- CHRISTOPHER BULSTRODE; OXFORD UNIVERSITY PRESS; 2ND.ED. 2011; * Orthopedic Traumatology: An Evidece-Based Approach- Sethi, Manish K; Springer; 2013; e-book; |