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| **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
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| **Learning Course Content** |
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| * 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 PalsyCongenital and developmental pediatric anomalies of upper extremity: Torticollis & Brachial Plexus Injury & Hemimelia |

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| **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;
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