

## Courses Description

**College:** Medicine

**Department:**

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**Couse ID:** 111502402      **Description:** Neurosurgery

**Full Course Description:** Neurosurgery is a broad field covering a range of diagnostic and therapeutic interventions that target pathological processes affecting the brain, spine and peripheral nerves. It consists of a comprehensive seminar, bed side teaching, outpatient clinic attendance and operating theatre attendance (if appropriate). In this course we focus on neurosurgical emergencies. Starting from the diagnosis to proper and safe management. Applying basic knowledge learned in basic years on patients in aiming to build up the skills of taking history and doing physical examination to reach the possible diagnosis and plan the proper treatment.□

The course will be delivered through a combination of active learning strategies. These will include:□

PowerPoint lectures and active classroom-based discussion □

Case presentation and bedside teaching□

Collaborative learning through small groups acting in an interdisciplinary context. □

Morning reports and Simulated case discussions□

Video lectures □

E-learning resources: e-reading assignments and practice quizzes through Model and Microsoft Team □

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**Couse ID:** 111502501      **Description:** Orthopedics (1)

**Full Course Description:** The Trauma and Orthopaedic course is taught to 5th year medical students and covers major general topic of Orthopaedics surgery including: Basic anatomy and basic science of bone metabolism, upper limb and lower limb trauma, orthopaedics Pediatric condition, spine disorders, upper limb and lower limb disorders, sport medicine, principles of fractures and complications , Bone infections and Peripheral nerve disorders.□

The course objectives are to: □

1) develop understanding of basic principles of orthopaedics surgery □

2) learn the skills required for history taking and physical examination □

3) build the ability to interpret diagnostic radiology and identify orthopaedics pathologies□

4) communicate competently with others using oral and written English□

Orthopedics is a specialty that plays a major role in the trauma team. Our students get exposed to variety of cases from our aspect, and this will help the general picture during managing trauma patients in a professional and safe fashion. Also, common non-trauma cases are discussed during this 1-month rotation. □

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**College:** Medicine

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**Couse ID:** 111502502      **Description:** Otolaryngology (1)

**Full Course Description:** The course of Ear, Nose, and Throat Diseases, also called Otorhinolaryngology, Head & Neck Surgery (ORL-HNS), deals with wide spectrum of diseases. It is required that the students pass this course at their fifth year during the medical school. □  
Different topics are covered during the curriculum. These include the common cases of Rhinology, Otology, Head and Neck Surgery, and Facial Plastics Surgery. Approach to both emergency and elective cases is discussed. Prepared by the tutors, online learning material is handed over to the students, and they are expected to listen to them beforehand. □  
Different ways of theoretical learning include lectures, seminars, and case-based learning. □  
Furthermore, the students are required to attend the departmental morning report, where specialists and residents meet, and they discuss the ward cases, and some of the emergency situations that occurred during the preceding night shift. In addition, the students get the chance to take history and do physical examination of outpatient clinics, review different related imaging studies, and actively participate in formulating the management plans. Furthermore, they observe different clinic procedures, such as cautery of bleeding, ear suctioning, flexible naso-pharyngo-laryngoscopy, performing biopsies, hearing assessment tests, and change of tracheostomy tube change among others. □  
At the end of the 2-week course, the students set to pre-prepared checklist-based physical exam test, and to OSCE-based theoretical exam. These tests cover thoroughly the basic and clinical skills that the student gained during this course, and a final MCQ-based exam will take place at the end of the academic year. □

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**Couse ID:** 111502503      **Description:** Ophthalmology (1)

**Full Course Description:** We provide the Ophthalmology academic course which is considered as one of the minor courses required in the fifth medical year and it is necessary for the medical students to pass this course. □  
It is two weeks course during which the medical students will be exposed to and learn the main objectives of the course which include: □  
Taking ophthalmic history in regard to common ophthalmic diseases and serious ones which could threaten the vision or the human life. □  
Understand and recognize ophthalmic emergencies and life threatening emergencies presenting to eye casualty. □  
To be familiar with the global and local common ophthalmic conditions responsible for chronic vision loss such as cataract, glaucoma, diabetic retinopathy, age related macular degeneration, refractive errors, etc... □