

# Course Introduction and Syllabus

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## Introduction

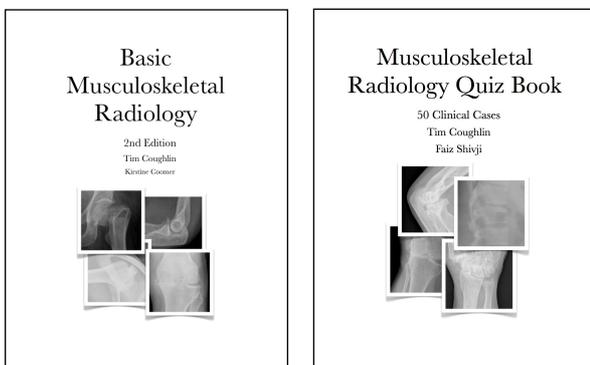
Welcome to the Learn Orthopaedics course. This course is designed to cover the whole undergraduate musculoskeletal syllabus. Whilst the content is aimed at medical students it will also be eminently useful to junior doctors starting their first orthopaedic job and those revising for the MRCS examination.

The course is broken down into eleven main subjects and each of these into a number of subcategories which can be thought of as lessons. The full syllabus is shown at the end of this document.

The intention is that once you have been through the whole course your knowledge will be sufficient to pass the musculoskeletal aspect of medical school finals.

The course is an ongoing work and will continue to grow with time. Eventually each lesson will have a textbook chapter, a video lecture and other associated material.

The course is optionally supplemented by two books which are available from the iBookstore. These books offer a more detailed explanation of the radiology in certain conditions.



Whilst the course has been designed around Apple's iTunes U software, to ensure it is available to users on multiple platforms the content is all also uploaded to the website [www.learnorthopaedics.com](http://www.learnorthopaedics.com). The website has an image bank, where all the images from the notes can be downloaded and the Learn Orthopaedics Podcast and Bookstore can also be accessed.

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## Learn Orthopaedics Syllabus

### 2 Musculoskeletal Trauma

- 2.1 Initial Management of Trauma
- 2.2 Fracture Complications
- 2.3 Long Bone Fractures
- 2.4 Femoral Neck Fractures
- 2.5 Wrist Fractures (inc. Scaphoid)
- 2.6 Elbow and Forearm Fractures
- 2.7 Ankle Fractures
- 2.8 Vertebral Fractures
- 2.9 Glenohumeral Dislocation
- 2.10 Ligament and Meniscal Injury in the Knee

### 3 Osteoarthritis

- 3.1 Hip Osteoarthritis
- 3.2 Knee Osteoarthritis
- 3.3 Shoulder Osteoarthritis
- 3.4 Finger Osteoarthritis

### 4 Inflammatory Arthritis

- 4.1 Rheumatoid Arthritis
- 4.2 Seronegative Spondylarthritis

### 5 Crystal Arthritis

- 5.1 Gout and Pseudogout

### 6 Infection

- 6.1 Septic Arthritis
- 6.2 Osteomyelitis

### 7 Diseases of the Bone

- 7.1 Osteoporosis
- 7.2 Osteomalacia and Rickets
- 7.3 Paget's Disease

### 8 Malignancy

- 8.1 Metastatic Disease
- 8.2 Myeloma
- 8.3 Primary Disease

### 9 Back and Neck Pain

- 9.1 Lumbar Spine Pathology
- 9.2 Cervical Spine Pathology

### 10 Single and Multiple Regional Periarticular Pain

- 10.1 Rotator Cuff Pathology
- 10.2 Medial and Lateral Epicondylitis
- 10.3 Trochanteric Bursitis
- 10.4 Fibromyalgia

### 11 Paediatrics

- 11.1 Common Traumatic Injuries
- 11.2 Paediatric Hip Disease
- 11.3 Talipes
- 11.4 Scoliosis

### 12 Examination

- 12.1 The GALS Screen
- 12.2 Gait Patterns
- 12.3 Shoulder
- 12.4 Elbow
- 12.5 Hip
- 12.6 Knee
- 12.7 Spine
- 12.8 Hand and Wrist
- 12.9 Foot and Ankle