<table>
<thead>
<tr>
<th>Module Title</th>
<th>Common Musculoskeletal Conditions in Primary Care</th>
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<tbody>
<tr>
<td>Module Code</td>
<td>FMED-535</td>
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<tr>
<td>Module Type</td>
<td>Required</td>
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<tr>
<td>Level</td>
<td>2nd Cycle</td>
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<tr>
<td>Year / Semester</td>
<td>1 / 1</td>
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<tr>
<td>Teacher's Name</td>
<td>Prof. Kevork Hopayian</td>
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<td>ECTS Credits</td>
<td>7.5</td>
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<tr>
<td>Lectures</td>
<td>27</td>
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<tr>
<td>Interactive learning activities</td>
<td>36</td>
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</tbody>
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### Module Purpose and Objectives

The main objectives of the module are to:

- Enable students to effectively diagnose and manage presentations of Inflammatory arthritides: Seropositive, RA.
- Enable students to effectively diagnose and manage presentations of Seronegative arthritits: Ank Spondylitis.
- Enable students to effectively diagnose and manage presentations of Seronegative arthritis: Reactive arthritides.
- Enable students to effectively diagnose and manage presentations of Crystal arthropathies such as gout, pyrophosphate arthropathy.
- Enable students to effectively diagnose and manage presentations of Connective tissue disorders: SLE.
- Enable students to effectively diagnose and manage presentations of Muscle disorders, PMR, Giant cell arteritis and TA, systemic effects.
- Enable students to effectively diagnose and manage presentations of Seronegative arthritis: Psoriatic Arthritis.
- Enable students to effectively diagnose and manage presentations of Muscular dystrophies and myasthenia gravis.
- Enable students to effectively diagnose and manage presentations of Polymyositis and dermatomyositis, Fibromyalgia.
- Enable students to effectively diagnose and manage presentations of Disorders of calcium homeostasis such as Rickets, Osteomalacia.
- Introduce an overview of Rheumatic and CT disease in Primary Care.
- Introduce Orthopaedics in Primary care.
- Enable students to effectively diagnose and manage presentations of Cervical spinal disorders including cervical spondylisis, torticollis and ‘whiplash’ injuries and long term consequences.
- Enable students to effectively diagnose and manage presentations of Spinal disorders including low back pain, sciatica and disc lesions.
- Enable students to effectively diagnose and manage presentations of Infection including Septic Arthritis and osteomyelitis.
- Enable students to effectively diagnose and manage presentations of Osteoarthritis including hip joint replacement surgery risks and complications.
- Enable students to effectively diagnose and manage presentations of Hot swollen joints.
- Enable students to effectively diagnose and manage presentations of Congenital/inherited diseases such as Marfan’s syndrome, Hypermobility syndromes.
**Learning Outcomes**

After completion of the module students are expected to be able to:

- Demonstrate deep understanding of how to effectively diagnose and manage presentations of:
  - Inflammatory arthritides: Seropositive, RA
  - Seronegative arthritis: Ank Spondylitis
  - Seronegative arthritis: Reactive arthritides
  - Crystal arthropathies such as gout, pyrophosphate arthropathy
  - Connective tissue disorders: SLE
  - Muscle disorders, PMR, Giant cell arteritis and TA, systemic effects
  - Seronegative arthritits: Psoriatic Arthritis
  - Muscular dystrophies and myasthenia gravis
  - Polymyositis and dermatomyositis, Fibromyalgia
  - Disorders of calcium homeostasis such as Rickets, Osteomalacia
- Understand and define Rheumatic & Connective Tissue disease in Primary Care.
- Understand and define Orthopaedics in Primary care.
- Demonstrate deep understanding of how to effectively diagnose and manage presentations of:
  - Cervical spinal disorders including cervical spondylosis, torticollis and 'whiplash' injuries and long term consequences
  - Spinal disorders including low back pain, sciatica and disc lesions
  - Infection including Septic Arthritis and osteomyelitis
  - Osteoarthritis including hip joint replacement surgery risks and complications
- Hot swollen joints
- Congenital/inherited diseases such as Marfan’s syndrome, Hypermobility syndromes
- Bone cancers including Ewings’ and osteosarcoma and Paget’s disease

- Understand and implement MSK Imaging: X-rays, CT and MRI scans, ultrasound.
- Define Osteoarthritis including knee joint replacement surgery risks and complications.
- Manage of orthopaedic conditions in Primary Care.
- Define:
  - Osteoarthritis as a general approach
  - Osteoporosis – primary and secondary carpal tunnel syndrome and De Quervain’s tendonitis
  - Hand disorders such as trigger finger, Dupuytren’s contracture
  - Carpal tunnel, De Quervain’s tendonitis
  - the large joints: Shoulder
  - the large joints: Knee
  - Foot disorders: Pantar fasciitis, Achilles tendonitis
  - Elbow epicondyritis
- Understand and examine Ankle pain, Morton's Neuroma.
- Understand and interpret joint injections in Primary Care.

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<tr>
<th>Prerequisites</th>
<th>None</th>
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**Module Content**
- Examination of Rheumatological or Connective tissue conditions
- Examination of Orthopaedic conditions in Primary Care
- Examination of Musculoskeletal conditions in Primary Care

**Teaching Methodology**
This programme is delivered via distance learning (online) and includes recorded lectures, interactive online tutorials (Webinars) and discussion forums, as well as online exercises and other activities.

**Bibliography**
**Required / Recommended Textbooks / Reading:**

PowerPoint presentations with relevant references and articles will be provided each week. There is no pre-required or recommended bibliography.

**Assessment**
- WPBA Components
  - Formative CBD (CBD 2)
  - Formative CEPS (CEPS 2)
  - Summative CBD (CBD 5)
  - Summative CEPS (CEPS 4)
- Exams
  - Formative AKT Exam
  - Summative AKT Exam

**Language**
English