

## Problems of the Locomotor System (D013007)

Due to Covid 19, the education and evaluation methods may vary from the information displayed in the schedules and course details. Any changes will be communicated on Ufora.

<b>Course size</b>	<i>(nominal values; actual values may depend on programme)</i>		
<b>Credits</b> 8.0	<b>Study time</b> 240 h	<b>Contact hrs</b>	112.0 h

### Course offerings and teaching methods in academic year 2020-2021

A (semester 2)	Dutch	Gent	lecture	57.5 h
			lecture: response lecture	1.25 h
			clinical lectures	3.75 h
			PDE tutorial	2.5 h
			practicum	3.75 h
			work placement	15.0 h

### Lecturers in academic year 2020-2021

Elewaut, Dirk	GE35	lecturer-in-charge
SMITH, VANESSA	GE35	co-lecturer
Van den Bosch, Filip	GE35	co-lecturer
Vanden Bossche, Luc	GE37	co-lecturer
Victor, Jan	GE38	co-lecturer
Wittoek, Ruth	GE35	co-lecturer

### Offered in the following programmes in 2020-2021

	crdts	offering
<a href="#">Master of Science in Teaching in Health Sciences (main subject Medical Sciences)</a>	8	A
<a href="#">Master of Medicine in Medicine</a>	8	A

### Teaching languages

Dutch

### Keywords

Orthopaedics, traumatology, rheumatology, physical medicine, rehabilitation

### Position of the course

This course elaborates on the courses 'Musculoskeletal System and Skin' and 'Nervous System and Sense Organs' taught in year 1 and 2. It aims at thoroughly instructing students in the diagnosis, essential technical investigations, and treatment of the most common disorders of the musculoskeletal system. In addition, the course provides an insight into which of these disorders should be referred to secondary care providers.

### Contents

- 
- juvenile arthritis
- rheumatoid arthritis
- septic arthritis
- psoriatic arthritis
- spondyloarthropathy
- osteoarthritis
- osteoporosis
- muscle diseases
- connective tissue diseases
- metabolic bone diseases

- traumatology : dislocations, fractures and distorsions
- deformities
- tendon and muscle injuries
- congenital anomalies of the musculoskeletal system
- selected topics from peripheral nerve disorders
- health economics aspects in low back pain
- aspects of health promotion and disease prevention
- rehabilitation and palliative care

### Initial competences

Having successfully completed the courses 'Musculoskeletal System and Skin' and 'Nervous System and Sense Organs' (year 1 and 2) or having acquired the required competences in an alternative way.

Having successfully completed the courses 'Basic Concepts of Clinical Medicine' and 'Diagnostic and Therapeutic Methods' (year 3) or having acquired the required competences in an alternative way.

Having acquired skills with regard to propaedeutics of the normal locomotor system

### Final competences

- 1 Diagnose, differentially diagnose and tentatively diagnose the most common disorders of the musculoskeletal system.
- 2 Plan the essential technical investigations in an efficient way
- 3 Devise a proper treatment plan for the most common disorders of the musculoskeletal system seen by primary care providers
- 4 Recognize pathological signs and diseases on radiography, angiography, CT and MRI, arthro-CT, arthro-MRI, angio-MRI and isotope scintigraphy
- 5 Take into account psychosocial, ethical and health economics standards in the communication with patients.
- 6 Being familiar with the diagnostic and therapeutic value of radiological examinations and interventions.
- 7 Devise a treatment plan taking into account the possibilities of rehabilitation.
- 8 Properly rank both diagnosis and treatment of musculoskeletal disorders and accordingly refer patients to secondary care providers.
- 9 Reflect on prevention and rehabilitation of musculoskeletal disorders.

### Conditions for credit contract

Access to this course unit via a credit contract is determined after successful competences assessment

### Conditions for exam contract

This course unit cannot be taken via an exam contract

### Teaching methods

Lecture, PDE tutorial, practicum, work placement, clinical lectures, lecture: response lecture

### Extra information on the teaching methods

panel discussions

### Learning materials and price

Syllabus (in Dutch) "Disorders of the Musculoskeletal System", part 1, 2, 3

A- books:

- J. BELLEMANS and J. VICTOR. Orthopedie en Traumatologie. Acco Leuven/ Den Haag.
- W.J. KOOPMAN et al. Clinical Primer of Rheumatology. Lippincott Williams and Wilkins.
- 

Supplementary educational tools (illustrations, slides, ...): available at the e-learning platform (Ufora.ugent.be)

### References

- B-boeken:
- - R.H. FITZGERALD et al. Orthopaedics. Mosby
- - F.H. NETTER. The CIBA Collection of Medical Illustrations. Volume 8, part II and III
- - M.C. HOCHBERG ET AL. Rheumatology. Mosby
- - W.J. KOOPMAN. Arthritis and Allied Conditions. Lippincott Williams and Wilkins
- - L. OMBREGHT et al. A System of Orthopedic Medicine. Churchill Livingstone
- - R. Mc RAE. Pocketbook of Clinical Orthopaedic Examination. Churchill Livingstone
- - R.L. BRADDOM. Handbook of Physical Medicine and Rehabilitation. Elsevier

- - D. WINKEL et al. Orthopedische geneeskunde en manuele therapie. Deel 2: Wervelkolom. Bohn Stafleu Van Loghum
- D. WINKEL et al. Orthopedische geneeskunde. Onderzoek, diagnostiek en behandeling van extremiteiten. Huisartseditie. Bohn Stafleu Van Loghum.
- - R.A. NOVELLINE. Squires Fundamentals of Radiology. Harvard University Press (see 3rd bach medicine)

#### **Course content-related study coaching**

Individual feedback by electronic appointment with the lecturers (see contact persons)  
Unit commission chairman : Katharina D'Herde e-mail: katharina.dherde@ugent.be

#### **Evaluation methods**

end-of-term evaluation

#### **Examination methods in case of periodic evaluation during the first examination period**

Written examination with multiple choice questions

#### **Examination methods in case of periodic evaluation during the second examination period**

Oral examination

#### **Examination methods in case of permanent evaluation**

#### **Possibilities of retake in case of permanent evaluation**

examination during the second examination period is possible in modified form

#### **Extra information on the examination methods**

oral examination with written preparation

#### **Calculation of the examination mark**