



COURSE DEFINITION Biomechanics: of the lower limb	Year: 2 code : A2 - 07
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Head of department :
D.Nari D.O.
Teacher(s) :
L.Galopin D.O.

ECTS : 5

Hours credit: 60

Distribution
number CM : 60
number TP :
number TD :

Type :
CM

Evaluation:
MCQ
SEMESTER

Language : French
Documentation: NO

Courses objectives :
Three-dimensional visualization of the biomechanics of different bone components followed by a practical application (visual observation, palpation and mobility tests)

Bibliography :
Rouvière H. Anatomie humaine. Masson edition, Netter, Brizon et Castaing, Kapendji, Bouchet et Cuilleret. A.I. Kapendji (Ed. Maloine)

Content :

The hip area:

- Overview (movements, axial mobility and range of mobility)
- Arthrology (review)
- Articular physiology of the coxofemoral joint

The knee area:

- Overview (movements, axial mobility and range of mobility)
- Arthrology (review)
- Articular physiology of the femorotibial, femoropatellar and tibiofibular joints

The ankle:

- Overview (movements, axial mobility and range of mobility)
- Arthrology (review)
- Articular physiology of the talocrural and lower tibiofibular joints

The rear foot:

- Overview (movements, axial mobility and range of mobility)
- Arthrology (review)
- Articular physiology of the subtalar joint and transverse tarsal

The fore foot:

- Overview (movements, axial mobility and range of mobility)
- Arthrology (review)
- Articular physiology of the different joints