



COURSE DEFINITION	Year: 1 code : A1- 11
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Head of department :
M. JL.Darques
Teacher(s) :
M. D.Lollman

ECTS : 3

Hours credit: 30

Distribution
number CM : 30
number TP :
number TD :

Type :
CM

Evaluation:
MCQ
SEMESTER

Language : French
Documentation: YES

Courses objectives :
Acquire a basic knowledge of biomechanics in the study of different body parts

Bibliography :
Exercices de physiques et de biophysique (Belazreg S.) ed. Edisciences; Biophysique (Belazreg S., Perdrisor R.) ed. Edisciences; Chimie générale (Gremain G., Mari M.) ed. Masson

Content :

1/ Definitions, research and practical applications in biomechanics

2/ Study of forces

- Summary of vectors
- Basic principle of action-reaction
- The case of rotations
- The concept of work and power

3/ The mechanical applications: of biomechanics

- Levers and moments
- The three types of levers in the human body

4/ The strain placed on the spine