

Faculty of Medicine



KINE1004 Introduction to Ergonomy

[30h] 3 credits

Teacher(s): Bénédicte Schepens
Language: French
Level: First cycle

Aims

The student will study the relationship between Man and his working conditions. Specific topics include risk management (e.g. identification, adaptation, prevention of health risks), physiological and morphological factors involved in the health of humans in the workspace.

Main themes

Principal themes required to achieve the course goals :

- relationships between human physiological capacity, morphological factors and work load;
- relationships between work load and pathologies, in terms of risk factors as well as pathology;
- methods of risk management in the factory;
- the role of movement in preventing stress and work-related injuries;
- the role of the physiotherapist in working environment ;
- the legal frame to protect workers in Belgium and EU.

Examples from real situations will be used.

Content and teaching methods

- Introduction
- the physical load of work
- mental effects of work
- control devices
- signal devices
- physical environments of work
- musculo-skeletal disorders
- the installation of the working station
- methods evaluation and of prevention of the risks

Other information (prerequisite, evaluation (assessment methods), course materials recommended readings, ...)

Pre-requisite No prerequisite

Evaluation Oral or written exam and/or continuous evaluation

Support Notes and/or books

Supervision Teacher(s)

Others

Other credits in programs

EDPH22 Deuxième licence en éducation physique (3 credits)

KINE11BA Première année de bachelier en kinésithérapie et réadaptation (3 credits)

Mandatory