

Faculty of Medicine



KINE2191 Advanced topics in science applied to physical therapy

[30h+15h exercises] 3 credits

Teacher(s): Christine Detrembleur, Norman Heglund, Jean-Louis Thonnard, Patrick Willems (coord.)
Language: French
Level: Second cycle

Aims

The knowledge acquired in KINE 2201 Technologies appliquées à la réadaptation is used to conceive and carry out a semester-long project.

Main themes

The course consists of the realization of a project in one of the following fields:

- analysis of pathological gaits,
- evaluation the functional capacity of handicapped people,
- motor control of gripping (normal or pathological),
- mechanisms of terrestrial locomotion,
- construction of a technological assistance device for a handicapped person.

The professors are at the disposal of the students for help, information and advice.

Content and teaching methods

Contents

The projects consist of either: 1) creation of an experimental set-up that can be used for a senior thesis, usually involving the development of a new apparatus; or 2) conception and development of a simple technological aid for a handicapped person.

Methods

Project oriented teaching.

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

Evaluation: continuous evaluation, and final project presentation

Support materials: books

Supervision: professors

Other credits in programs

IEPR3DS/TM	Diplôme d'études spécialisées en sciences de la motricité (Thérapie manuelle)	(3 credits)	Mandatory
KINE21	Première licence en kinésithérapie et réadaptation	(3 credits)	
KINE21/PS	Première licence en kinésithérapie et réadaptation	(3 credits)	