

3.00 credits

30.0 h

Q1



**This learning unit is not open to incoming exchange students!**

Teacher(s)	Bastien Guillaume (coordinator) ;Detrembleur Christine ;Schepens Bénédicte ;
Language :	French
Place of the course	Louvain-la-Neuve
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.
Learning outcomes	<b>At the end of this learning unit, the student is able to :</b> 1 The knowledge acquired in KINE1039 - Technologie et réadaptation is used to conceive and carry out a semester-long project.
Evaluation methods	Students will be assessed on the basis of a continuous assessment and a commented powerpoint to be submitted individually at the end of the semester and in which will be presented (1) the scientific question, (2) the data measurement method, the protocol and the processing, (3) the results obtained and (4) a brief discussion of these results. Attendance at this course is required. The course holders may, under article 72 of the General Regulations for Studies and Examinations, propose to the jury to oppose the registration of a student who has not attended at least 80 % of courses, during the exam session.
Teaching methods	Project oriented teaching.
Content	Through the realization of short projects, the student will discover the principles of operation and use of experimental motion analysis setups (force platform, instrumented treadmill, motion capture system, EMG, etc.). He will take measurements and process the data using computer programs that he will have designed and developed himself. Finally, the student will make a report presenting the material and the methodologies used as well as the results produced.
Inline resources	see Moodle
Bibliography	voir Moodle
Other infos	This course is an extension of the KINE 1039 Technology and Rehabilitation course. Teaching and supervision by the holders.This course is strictly reserved for FSM students, access is not possible for other UCLouvain students.
Faculty or entity in charge	FSM

Programmes containing this learning unit (UE)				
Program title	Acronym	Credits	Prerequisite	Learning outcomes
Master [60] in Physiotherapy and Rehabilitation	KINE2M1	3		