LGRBE2204

2014-2015

Conception et Evaluation en ergonomie

3.0 credits	30.0 h

Teacher(s) :	
Language :	Français
Place of the course	Louvain-la-Neuve
Main themes :	- Introduction : Development of work systems into complex systems of process checking Supervisory control - Identification of new risks - Basic concepts in cognitive psychology - Models for information processing - Attention model - Memory - Concept of mental load - Human error - Design cycles (particpatory design) - Case presentation : design of support systems for decision taking and assessment of socio-technical systems (robotics, virtual reality)
Aims :	This course is designed to provide students with basic theoretical knowledge in cognitive sciences and the role they can play in the ergonomic design and assessment of complex socio-technical systems. *The contribution of this Teaching Unit to the development and command of the skills and learning outcomes of the programme(s) can be accessed at the end of this sheet, in the section entitled "Programmes/courses offering this Teaching Unit".*
Content :	This course is designed to provide students with basic theoretical knowledge in cognitive sciences and the role they can play in the ergonomic design and assessment of complex socio-technical systems. - Introduction : Development of work systems into complex systems of process checking Supervisory control - Identification of new risks - Basic concepts in cognitive psychology - Models for information processing - Attention model - Memory - Concept of mental load - Human error - Design cycles (particpatory design) - Case presentation : design of support systems for decision taking and assessment of socio-technical systems (robotics, virtual reality)
Other infos :	Oral presentation of theoretical and methodological elements together with presentation of real cases from the world of work Assessment Methods : Assessment on a case simulation
Cycle and year of study :	> Advanced Master in Risks Management and Well-Being in the Workplace
Faculty or entity in charge:	PSP