

3.00 credits

30.0 h

Q1

Language :	French
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 (participatory design) - Case presentation : design of support systems for decision taking and assessment of socio-technical systems (robotics, virtual reality)
Learning outcomes	At the end of this learning unit, the student is able to : 1 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.
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 (participatory 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
Faculty or entity in charge	PSP

Programmes containing this learning unit (UE)				
Program title	Acronym	Credits	Prerequisite	Learning outcomes
Advanced Master in Risk Management and Well-Being in the Workplace	GRB2MC	3		