

ID	3804
Curricular Unit	Human Reliability
Regent	Catarina Maria Gomes Duarte da Silva
Learning Outcomes	<ol style="list-style-type: none"> 1. Understanding the concepts in the domain of human reliability and human error 2. Interpreting human error in different analysis levels 3. Understanding the methodology and techniques of human reliability analysis 4. Understanding different error management dynamics
Syllabus	<ol style="list-style-type: none"> 1. Human reliability and human error <ol style="list-style-type: none"> 1.1. Discussing concepts 1.2. Relevance of human error in ergonomics 1.3. Approaches for the human reliability analysis 2. Understanding human error <ol style="list-style-type: none"> 2.1. Psychological mechanisms of human error 2.2. Organizational approach to human error 3. Evaluation of human reliability <ol style="list-style-type: none"> 3.1. Work analysis in human reliability studies 3.2. Methodology for analysing human reliability 3.3. Analysis techniques in human reliability 4. Management of human error <ol style="list-style-type: none"> 4.1. Error in action regulation 4.2 The role of work groups in error management and prevention 4.3. Possible actions for error reduction 5. Accident analysis in different contexts
Evaluation	<p>Continuous evaluation:</p> <ul style="list-style-type: none"> -Practical works: analysis of errors and accidents in different contexts (50%) -Frequency focusing on theoretical contents (50%). <p>Final Evaluation:</p> <ul style="list-style-type: none"> -Practical (40%) + Theoretical (60%)

Bibliography

Main Bibliography

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De Keyser, V.; Leonova, A. (2001). Error prevention and well-being at work in Western Europe and Russia. Dordrecht: Kluwers Academic

Girin, J.; Grosjean, M. (eds) (1996). La transgression des règles au travail. Paris: l'Harmattan

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Reason, J. (1990). L'erreur humaine. Paris:Puf

Complementary Bibliography

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Rasmussen, J.; Duncan, K.; Leplat, J. (1987). New technology and human error. Chichester: John Wiley and Sons