

ID	2103
Curricular Unit	Work Ability Analysis
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Learning Outcomes	<p>Students should:</p> <p>Understand the concepts of workload and work ability and their relationship;</p> <p>Identify the factors that influence the workload and the factors responsible by the Work ability;</p> <p>Know the methods available to measure and assess the work ability/workload in terms of features, advantages and disadvantages;</p> <p>Know the criteria to be taken into account when selecting the methods;</p> <p>Select the appropriate tools to assess the workload;</p> <p>Be able to evaluate/interpret the cost associated with the work activity and propose control strategies.</p>
Syllabus	<p>Distinguish the difference between work ability and workload;</p> <p>Know the factors that influence the workload and the factors that are responsible by work ability level;</p> <p>Understand the perspective of workload used in discipline and used in Ergonomics;</p> <p>Understand the importance of work analysis to the correct interpretation of the workload;</p> <p>Know the different methods used in workload assessment and understand the factors to take into account in its selections;</p> <p>Classify the work in terms of intensity by the knowledge and determination of the operator exposure dose to certain requirements imposed by the tasks;</p> <p>Determine and interpret the cost associated with the tasks realized (real or simulated) by analysis of the results found when applying various methods of assessing workload;</p> <p>Define strategies for optimizing the work conditions, based on data acquired during the application of methods of assessing workload.</p>
Evaluation	<p>The theoretical contents are presented and discussed with support in PowerPoint presentations. The practical component comprises the accomplishment of worksheets (reviews of articles or specific problems resolution corresponding to real/simulated situations). There are two alternative models of evaluation: Continuous assessment, which implies a minimum obligatory presence (4/5 classes taught), the completion of the practical work and the realization of two written tests (with removal of matter). The final evaluation consists of a written exam (encompassing all matter) and in the realization of a practical work. The theoretical component has a weight of 70% on the final grade and the practice of 30%.</p>

Bibliography

This Curricular Unit has a personalized support site available for the registered students (password required) in the LMS (Learning Management System - E-learning, FMH) with multiple documents, handouts, exercises, references, links, etc.