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| ID | 2625 |
| Curricular Unit | Usability of Information Systems |
| Regent | Francisco dos Santos Rebelo |
| Learning Outcomes | <ul style="list-style-type: none"> - Understand the concept of usability. - Master the tools and methodologies to assess the usability. - Develop skills to apply usability testing |
| Syllabus | <ol style="list-style-type: none"> 1. Evaluation of usability testing with think-aloud <ul style="list-style-type: none"> - Rules to be a good moderator; - Methodological Aspects (sample and place for the collection of data); - Conduct a think-aloud test; - Development of user testing; 2 Assessment of usability with systematic observation: <ul style="list-style-type: none"> - Methodological Aspects; - Measures of performance and success; - Evaluation of an information system. 3. Evaluation of usability of security warnings <ul style="list-style-type: none"> - The C-HIP model (Communication-Human Information Processing) - Tests for the assessment of comprehension; - Virtual reality in the assessment of safety warnings. - Evaluation of an information system. 4 Techniques to predict usability: <ul style="list-style-type: none"> - International Standards; - Analysis of the task; - SHERPA; - Walk-Throughs; |
| Evaluation | <p>Model A : Continuous assessment , which shall consist of reporting practices chips.</p> <p>Model B : Final exam integrating theoretical and practical components of the course..</p> |

Bibliography

Main Bibliography:

Barnum Carol M. (2010.) Usability Testing Essentials: Ready, Set .. Test! Morgan Kaufmann (ISBN 978-0-12-375092-1)

Rubin, Jeffrey (2004) Handbook of Usability Testing: How to Plan, Design, and Conduct Effective Tests. New York: Wiley, 1994.

Nielsen, J. (2000). Designing Web usability. Indianapolis, IN: New Riders Publishing.

Mayhew, D. (1999). The usability engineering lifecycle. San Francisco, CA: Morgan Kaufmann.

Norman, D., & Draper, S. (1986). User-Centered System Design. Hillsdale, NJ: Lawrence Erlbaum Associates.

Jesse Garrett (2011). The Elements of User Experience: User-Centered Design for the Web New Riders (ISBN 13-978-0-321-68368-7)

Additional bibliography:

Another to provide during classes.