

the course.



ID	2997
Curricular Unit	Usability of Information Systems
Regent	Francisco dos Santos Rebelo
Learning Outcomes	 Understand the concept of usability. Master the tools and methodologies to assess the usability. Develop skills to apply usability testing.
Syllabus	1. Evaluation of usability testing with think-aloud: - 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: - Methodological Aspects - Measures of performance and success - Evaluation of an information system 3. Evaluation of usability of security warnings: - 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: - International Standards - Analysis of the task - SHERPA - Walk-Throughs
Evaluation	Model A: Continuous assessment, which shall consist of reporting practices chips. Model B: Final exam integrating theoretical and practical components of

Bibliography	Main Bibliography: Carol M. Barnum (2010). Usability Testing Essentials: Ready, SetTest! 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: To be provided during classes.
--------------	---