ID	2431
Curricular Unit	Statistics I
Regent	Paula Marta Pereira Bruno
Learning Outcomes	The objectives of this course are: (i) provide basic knowledge of probability and statistics; (ii) introduce a statistical software (in case, the SPSS).
Syllabus	Probability, conditional probability and independence Discrete models Contínuos models Introduction to the SPSS statistical software Análise exploratória de dados Introduction to statistical inference Statistical inference for single populations
Evaluation	The approval in the course is obtained with final score greater than or equal to 10 values. The assessment can be done in two ways: continuous assessment or a final exam. Continuous assessment: three written tests, where the first test has a score of 7 values, the second and third tests have scores of 6.5 values. The minimum score on each test is 3 values. The final score is the sum (round to units) of the scores of each of three tests (each of them round to decimals). If an approved student chooses to make final exam at the normal period, the classification attained in the continuous has no effect. Assessment by final exam: a written exam carried out in a scholar period scheduled by the pedagogical board. The written exam includes a theoretical-practical component and a practical component, made at two different times. An oral exam is possible upon teachers approval, but only with a score greater than or equal to 9 values in the written.

Bibliography	Main: Bruno, P., Carita, A., Diniz, A., Gonçalves, I., Teles, J. (2008). Introdução à Teoria das Probabilidades, Lisboa: Edições FMH. Bruno, P., Carita, A., Diniz, A., Gonçalves, I., Teles, J. Tópicos de Estatística, manual não editado. Complementary: Afonso, A., Nunes, C. (2011). Estatística e Probabilidades – Aplicações e Soluções em SPSS, Lisboa: Escolar Editora Marôco, J. (2014), Análise Estatística com o SPSS Statistics (6ª ed.), Lisboa: Report Number. Murteira, B., Antunes, M. (2012). Probabilidades e Estatística, Volume I, Lisboa: Escolar Editora. Pallant, J. (2007), SPSS – Survival Manual (3rd ed.), Glasgow: McGraw-Hill. Paulino, C.D., Branco, J.A. (2005). Exercícios de Probabilidades e Estatística, Lisboa: Escolar Editora. Pestana, D., e Velosa, S. (2006), Introdução à Probabilidade e à Estatística (Vol. I, 2ª ed.), Lisboa: Fundação Calouste Gulbenkian.