

ID	3620
Curricular Unit	Statistics I
Regent	Júlia Maria Vitorino Teles
Learning Outcomes	The objectives of this course are: (i) to provide students with basic knowledge of probability and statistics that allow the processing of data related to their future professional activities; (ii) to introduce a statistical software (in case, the SPSS).
Syllabus	1 - Probability, conditional probability and independence 2 - Discrete models 3 - Continuous models 4 - Exploratory data analysis 5 - Introduction to statistical inference 6 - Statistical inference for single populations
Evaluation	The approval in the course is obtained with final score greater than or equal to 10. The assessment can be done in two ways: continuous assessment or a final exam. In either mode of assessment, there may be, for students with a score greater than or equal to 9.0 values, and upon teachers approval, an oral exam. Continuous assessment: 2 tests, being the final score = (1st test score + 2 x 2nd test score) / 3, provided that the criteria for the minimum score on the tests are verified (the minimum score on each test is 8.0 values). Assessment by final exam: The final exam is to be carried out at the normal or recourse periods (also in special exam period for students who have special status).
Bibliography	1) Main bibliography: Bruno, PM; Carita, AI; Diniz, A; Gonçalves, I; Teles, J (2008). Introdução à Teoria das Probabilidades. Edições FMH, Cruz Quebrada. Bruno, PM; Carita, AI; Diniz, A; Gonçalves, I; Teles, J (2018). Tópicos de Estatística, Texto de apoio para a u.c. de Estatística I, do 1º ano, das licenciaturas em Ciências do Desporto, Ergonomia e Reabilitação Psicomotora, da FMH-UTL. 2) Complementary bibliography: Afonso, A; Nunes, C (2011). Estatística e Probabilidades - Aplicações e Soluções em SPSS. Escolar Editora, Lisboa. Marôco, J (2014). Análise Estatística com o SPSS Statistics. Report Number, Pêro Pinheiro. Murteira, B; Antunes, M (2012). Probabilidades e Estatística, Vol. I. McGraw-Hill, Lisboa. Murteira, B; Antunes, M (2012). Probabilidades e Estatística, Vol. II. McGraw-Hill, Lisboa. Paulino, CD; Branco, JA (2005). Exercícios de Probabilidades e Estatística. Escolar Editora, Lisboa. Pestana, D; Velosa, S (2010). Introdução à Probabilidade e à Estatística, Vol. 1. Fundação Calouste Gulbenkian, Lisboa.