ID	2074
Curricular Unit	Statistics II
Regent	Paula Marta Pereira Bruno
Learning Outcomes	The objectives of this course are: (i) to provide students with basic knowledge of statistical inference, parametric and nonparametric, which enables the handling of data related to their future professional and/or scientific activities; (ii) to develop the ability to use statistical software (e.g., SPSS). The skills developed in this course are: (i) basic knowledge of parametric and nonparametric statistical inference; (ii) Interpretation of outputs obtained in the statistical software.
Syllabus	Statistical inference for two populations: parametric and nonparametric tests. Statistical inference for several populations: parametric and nonparametric tests. Parametric statistical inference for population proportions. Chi-square tests. Linear regression.
Evaluation	Teaching methodologies: classes are TP?type so the practical component is always aware of the theoretical component. In general, after the theoretical exposition of each methodology an illustration is presented using the statistical software (SPSS). The exercises proposed include, whenever possible, the interpretation of outputs provided by statistical software. Evaluation: final exam.
Bibliography	Bruno, P., Carita, A., Diniz, A., Gonçalves, I., e Teles, J. (2008), Introdução à Teoria das Probabilidades, Lisboa: Edições FMH. Bruno, P., Carita, A., Diniz, A., Gonçalves, I., e Teles, J. Tópicos de Estatística, manual não editado. Field, A. (2010), Discovering Statistics Using SPSS (3rd ed.), London: Sage. Murteira, B., Ribeiro, C. S., Silva, J. A., e Pimenta, C. (2007), Introdução à Estatística (2ª ed.), Lisboa: McGraw?Hill. Zar, J. H. (2010), Biostatistical Analysis (5th ed.), Upper Saddle River, New Jersey: Prentice Hall.