

<b>ID</b>	2447
<b>Curricular Unit</b>	Statistics II
<b>Regent</b>	Ana Isabel Andrade Dinis Carita
<b>Learning Outcomes</b>	The objectives of this course are: (i) provide students with basic knowledge of statistical inference, parametric and nonparametric that allow the processing of data related to their future professional and scientific activities; (ii) develop the ability to use a statistical software (in case, the SPSS).
<b>Syllabus</b>	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.
<b>Evaluation</b>	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 it is possible for students, with a score greater than or equal to 9.0 values, and upon teachers approval, to an oral exam. During the assessments it is forbidden to use mobile phone.  Continuous assessment: 2 tests, the final score is the simple arithmetic average of these tests, provided that the criteria for the minimum score of 9.0 on the tests are verified. Assesment by final exam: the final exam is to be carried out at the normal or recourse periods (and also in special exam period for students who have special status).
<b>Bibliography</b>	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.