

ID	2447
Curricular Unit	Statistics II
Regent	Ana Isabel Andrade Dinis Carita
Learning Outcomes	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).
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	<p>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.</p> <p>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.</p> <p>Assesement 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).</p>
Bibliography	<p>Bruno, P., Carita, A., Diniz, A., Gonçalves, I., e Teles, J. (2008), Introdução à Teoria das Probabilidades, Lisboa: Edições FMH.</p> <p>Bruno, P., Carita, A., Diniz, A., Gonçalves, I., e Teles, J. Tópicos de Estatística, manual não editado.</p> <p>Field, A. (2010), Discovering Statistics Using SPSS (3rd ed.), London: Sage.</p> <p>Murteira, B., Ribeiro, C. S., Silva, J. A., e Pimenta, C. (2007), Introdução à Estatística (2ª ed.), Lisboa: McGraw?Hill.</p> <p>Zar, J. H. (2010), Biostatistical Analysis (5th ed.), Upper Saddle River, New Jersey: Prentice Hall.</p>