

ID	2239
Curricular Unit	Understanding Probability and Statistics
Regent	Paula Marta Pereira Bruno
Learning Outcomes	<p>The objectives of this course are:</p> <p>(I) provide students with fundamental concepts of probability and statistics, enabling the processing of data relating to scientific research trial basis;</p> <p>(II) develop the ability to use statistical software (SPSS in case).</p>
Syllabus	<ol style="list-style-type: none"> 1. Introduction to probability theory; 2. Exploratory data analysis; 3. Parametric statistical inference; 4. Nonparametric statistical inference; 5. Linear regression models.
Evaluation	Final Exam
Bibliography	<p>Bruno, P., Carita, A., Diniz, A., Goncalves, I., Teles, J. (2008). Introduction to Probability Theory, Lisbon: Issues FMH. Chatfield, C. (1995). Problem Solving - The Statistician's Guide (2nd ed.), Boca Raton, Florida: Chapman and Hall / CRC. Field, A. (2010). Discovering Statistics Using SPSS (3rd ed.), London: Sage. Maroco, J. (2010), Statistical Analysis with PASW Statistics (formerly SPSS), Lisbon: Report Number.</p>