**Mauro Costantini**

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| Programme of “STATISTICA”  “Statistics” | | |
| 1st Cycle in ECONOMIA E AMMINISTRSAZIONE DELLE IMPRESE, 2rd year , 2nd semester | | |
| Number of ECTS credits: 9 | | |
| Lecturer: Mauro Costantini | | |
| 1 | Course objectives | The course aims to endow students with basic knowledge of descriptive and inference statistics. Basic elements of Matlab software for statistics will be offered. |
| 2 | Course content and Learning outcomes (Dublin descriptors) | Contents of the module:   1. Descriptive Statistics. 2. Dependence, Regression and Correlation 3. Elements of Probability 4. Inference, Sampling and Sampling Distributions 5. Statistical Inference: Estimation for Single Populations 6. Statistical Inference: Hypothesis Testing for Single Populations   On successful completion of the module, the student should have:   * knowledge of basic descriptive statistics; * knowledge of linear regression analysis; * knowledge of elements of probability, sampling and sampling distributions; * knowledge of statistical inference about single populations. |
| 3 | Prerequisites and learning activities | The student must know of elements of mathematics. |
| 4 | Teaching methods  and language | The mode of teaching is face-to-face in weekly classes.  Language: Italian  Ref. Text books Cicchitelli, G., D’Urso, P. and Minozzo, M. (2017). Statistica: Principi e Metodi, 3/Ed. Pearson. Prentice Hall. |
| 5 | Assessment methods and criteria | Written exam |