**Mauro Costantini**

|  |  |  |
| --- | --- | --- |
| Programme of “STATISTICA PER L’ECONOMIA E LA FINANZA”  “Statistics for economics and finance” | | |
| 2st Cycle in AMMINISTRAZIONE, ECONOMIA e FINANZA, 2nd year, 2nd semester | | |
| Number of ECTS credits: 6 | | |
| Lecturer: Mauro Costantini | | |
| 1 | Course objectives | The course aims to endow students with knowledge of inference statistics as well as basic elements of Matlab. |
| 2 | Course content and Learning outcomes (Dublin descriptors) | Contents of the module:   1. Elements of descriptive statistics. 2. Time series and index numbers 3. Elements of Probability, Sampling and Sampling Distributions 4. Inference: Estimation and Hypothesis Testing for Single Populations 5. Regression analysis and inference 6. Multiple regression analysis   On successful completion of the module, the student should have:   * knowledge of basic descriptive statistics; * knowledge of regression analysis; * knowledge of elements of probability, sampling and sampling distributions; * knowledge of statistical inference. |
| 3 | Prerequisites and learning activities | none |
| 4 | Teaching methods  and language | The mode of teaching is face-to-face in weekly classes.  Language: Italian  Ref. Text books  Borra, S. e Di Ciaccio, A. (2014). Statistica: metodologie per le scienze e conomiche e sociali, 3/ED, Graw Hill. |
| 5 | Assessment methods and criteria | Written exam |