**Mauro Costantini**

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| 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.
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| 3 | Prerequisites and learning activities | none  |
| 4 | Teaching methodsand 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 |