



Programme of Course "Calcolo delle Probabilità e Statistica Matematica"

- Code: DT0003
- Type of course unit: Compulsory (Bachelor Degree in Computer Science curriculum General)
- Level of course unit: Undergraduate Degrees
- Semester: 1

Number of ects credits: (Bachelor Degree in Computer Science) 6 (workload 150 hours)

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1	Course objectives	An introduction to the theory of probability up to the weak law of large numbers
2	Course content and learning outcomes (dublin descriptors)	Topics of the module include: <ul style="list-style-type: none"> • probability space, combinatorics, conditional probabilities and independence, random variables, expected value and variance, law of large numbers, elements of statistics
3	Course prerequisites	elementary mathematics and some notions of mathematical analysis
4	Teaching methods and language	frontal lectures Language: Italian Reference textbooks <ul style="list-style-type: none"> • S M Ross, <i>Probabilità e statistica</i>. Maggioli.
5	Assessment methods	written exam with exercises and theoretic questions