



**UNIVERSITÀ
DI TORINO**

Master in Environmental, Cultural and Territorial Economics

Syllabus for admission interview

Economics

- Demand and supply
- Consumer preferences and utility
- Theory of choice of the consumer
- Theory of demand
- Theory of production
- Theory of costs
- Perfect competition
- Monopoly
- Externalities and public goods

Such topics can be studied on any university handbook of intermediate level, for example N.G. Mankiw, *Principles of Economics* (South-Western College Publishing, 2011)

Mathematics

- The set of real numbers
- Real functions of one variable
- Limits of functions and continuity
- Differential calculus and its applications
- Integral calculus

Such topics can be studied on any university handbook of intermediate level, for example K. Wainwright, *Fundamental Methods of Mathematical Economics* (McGraw Hill, 2004)

Statistics

The topics at the admission interview are: (they can be studied on any book of intermediate level):

- Collection of statistical phenomena
- Distribution of a character and its representation
- Synthesis of the distribution of a character: mean and variability
- Association between two characters
- Probability: basic notions
- Random variables and probability distributions

Such topics can be studied on any university handbook of intermediate level, for example T.H. Wonnacott, R.J. Wonnacott, *Introductory Statistics for Business and Economics* (Wiley, 1990)