



## UNIVERSITA' DEGLI STUDI DI TORINO

### Vilfredo Pareto PhD in Economics

The Vilfredo Pareto PhD in Economics is a doctoral program characterized by great flexibility. The doctorate allows students to structure their coursework and write their doctoral dissertation in a number of different areas of economics. After a common set of core courses that take place in the first term of the program (including review courses in mathematics and statistics and advanced courses in microeconomics and macroeconomics), students can further prepare for their dissertation work by choosing from a list of elective courses. The latter are organized to form three curricula which span many fields within economics. **The curricula are:**

#### Economics

this curriculum aims to endow students with relevant skills and knowledge both in theoretical and empirical economics. Graduates will then be in the position to pursue an academic career, as well as working as economists in the private sector, governments, central banks and international organizations. Elective courses include among others:

- Applied Economics
- Development Economics
- Public Economics
- Econometric Theory
- Dynamic Optimization

#### Economics and Complexity

this curriculum combines the achievements of complexity theory and economic analysis to articulate a comprehensive economics of complexity. In their dissertation work students may adopt agent based simulation methodologies, econometric analysis, historical and institutional approaches. Elective courses include among others:

- History of Economics
- Simulation Models
- Economics of Innovation
- Cognitive Economics
- Environmental Economics

#### Theoretical Economics, Finance and Statistics

the aim of this curriculum is to equip students with a deep understanding of the basic tools of decision theory and in some of its many areas of application. In particular, graduates will be able to successfully employ theoretical instruments to analyze questions in Finance, Insurance, or other areas of Economics. Elective courses include among others:

- Decision Theory
- Probability Theory
- Stochastic Calculus
- Game Theory
- Financial Economics

#### Selected faculty

Cristiano Antonelli  
Fabio Cesare Bagliano  
Daniela del Boca  
Aldo Geuna  
Paolo Ghirardato  
Roberto Marchionatti  
Luigi Montrucchio  
Giovanna Nicodano  
Igor Pruenster  
Federico Revelli  
Salvatore Rizzello  
Pietro Terna

All the Collegio Carlo  
Alberto faculty

#### Key features

- Full scholarship for admitted students
- Close interaction with the academic community at Collegio Carlo Alberto
- Linked to top European and US research institutions and networks



Next call for applications will be released in June 2011

Selection procedure will take place in June/July 2011

Courses will start in September 2011

For more details, please visit  
<http://www.sde.unito.it/index.html>

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