

PhD in Entrepreneurship and innovation

Quantitative Methods (advanced) Module 1

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| Title | Quantitative Methods (advanced) Module 1 |
| Credits | 4 |
| Level | PhD Class |
| Scientific Field | SECS-P/08 - Management |
| Semester | I semester |
| Year | 1 |
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| Venue | Università degli Studi di Napoli Parthenope |

SYLLABUS

Course topics

The course focuses on the main advanced methodologies for conducting quantitative analysis in the social sciences and more specifically in entrepreneurship and innovation studies. Specifically, the topics of the course are:

- use of advanced quantitative methodologies in the social sciences;
- methodologies for the analysis of longitudinal variables in the social sciences;
- methodologies for the analysis of dichotomous and ordinal variables in the social sciences;
- methodologies for the analysis of variables not directly measurable in the social sciences.

Aims

The course aims to:

- develop in students the ability to design research based on the application of advanced quantitative methodologies linked to longitudinal variables, to discrete variables and to latent variables;
- develop in students the ability to understand the technical aspects of paper based on advanced quantitative methodologies;
- develop in students the ability to use statistical software to perform analyzes based on advanced quantitative methodologies.

Teaching materials

The course is based on articles of international scientific journals that will be made available through electronic sharing systems and on statistical software indicated by the teachers according to the specific analytical methodologies covered by the course.

In *itinere* evaluation methods

The course includes a series of intermediate tasks, which will allow teachers to evaluate student performance.

Final test

The final exam will consist in the drafting of a "minimal paper" related to the methodological design and to the analysis of data realized using the methodologies object of the course.

Teaching methods

The course involves the use of different teaching methods aimed at maximizing the level of student participation and the level of interaction between students and with the teacher: flipped class, peer to peer evaluation, team working, active training. To this end, the classroom sessions will be mainly devoted to the discussion of the concepts and methods learned or to laboratory / training activities on statistical analysis tools, while the learning activity will take place through individual study, led by the teachers, of the teaching materials provided.

Teaching language

Italian and English