



UNIVERSITÀ DEGLI STUDI DI PALERMO

DEPARTMENT	Scienze Economiche, Aziendali e Statistiche		
ACADEMIC YEAR	2016/2017		
MASTER'S DEGREE (MSC)	ECONOMIC AND FINANCIAL SCIENCES		
INTEGRATED COURSE	STATISTICAL EVALUATION METHODS		
CODE	14355		
MODULES	Yes		
NUMBER OF MODULES	2		
SCIENTIFIC SECTOR(S)	SECS-S/05, SECS-S/03		
HEAD PROFESSOR(S)	DE CANTIS STEFANO	Professore Ordinario	Univ. di PALERMO
OTHER PROFESSOR(S)	DE CANTIS STEFANO	Professore Ordinario	Univ. di PALERMO
	PIACENTINO DAVIDE	Professore Ordinario	Univ. di PALERMO
CREDITS	8		
PROPAEDEUTICAL SUBJECTS			
MUTUALIZATION			
YEAR	2		
TERM (SEMESTER)	2° semester		
ATTENDANCE	Not mandatory		
EVALUATION	Out of 30		
TEACHER OFFICE HOURS	DE CANTIS STEFANO		
	Tuesday	10:00 12:00	Incontro telematico via Teams da concordare (e prenotare) con il docente. Online meeting via MS-Teams to be agreed (and booked) with the professor
	Thursday	10:00 12:00	Incontro telematico via Teams da concordare (e prenotare) con il docente. Online meeting via MS-Teams to be agreed (and booked) with the professor
	PIACENTINO DAVIDE		
	Tuesday	10:00 12:00	Ed. 13 - Secondo Piano - Stanza 85. Contattare il docente per email.

DOCENTE: Prof. STEFANO DE CANTIS

PREREQUISITES	Basic concepts and tools of descriptive statistics
LEARNING OUTCOMES	<p>Knowledge and ability 'to understand Addresses the challenges and the quantitative tools associated with the analysis of the evaluation processes within the services and public policy. The issues relating to: (a) the construction of evaluation instruments, (b) their use for evaluative research, (c) the critical choice of appropriate statistical analysis methods, are the main focus of the course (</p> <p>Capacity 'to apply knowledge and understanding Capacity 'of databases treatment drawn from research carried out on the field are the subject of practical exercises and critical discussion of methodologies and evaluation instruments in different contexts (in particular two for module 1: Evaluation of the University System with particular reference to the recognition of students' opinions on teaching and assessment of the Italian health system, with particular reference to the evaluation of the effectiveness of health treatments; three for module 2: the counterfactual analysis in the case of micro policies; some quasi-experimental designs for the ex post evaluation of industrial policies; the impact of macropolicies rating).</p> <p>Making judgments Being able to choose appropriate databases and appropriate methodologies for their statistical processing; ability 'to assess the criticality' present in the choice of the reference nouns models, instruments and detection methods, methods and statistical models of analysis, and finally the empirical results and their interpretation.</p> <p>Enable 'communication Capacity 'to build appropriate indicators and evaluation tools; appropriately we interpret the results of evaluation research in the light of the main models in the evaluation field. Capacity 'to bring the results of its analysis to public and private decision-makers, operators in the territory. Capacity 'to analyze public policy and identify appropriate for the evaluation in relation to the policy cycle tools.</p> <p>Capacity 'Learning Ability 'of use of statistical methods applied to the analysis evaluation, including through the use of specific software packages. Ability 'to use certain statistical methods (linear regression analysis and logistics, classical time series analysis) for the treatment of some evaluation designs. The student must 'have developed the skills' learning necessary to autonomously manage a complete knowledge in the field of study and, in particular, perform a literature search for updating their knowledge</p>
ASSESSMENT METHODS	<p>The final exam is oral, based also on the reports written by students during the course. The examination Board is interested to understand the ability of students of: (i) looking for proper statistical tools and methods for specific evaluation problems; (ii) comparing advantages and disadvantages of these tools and methods; (iii) interpreting empirical results.</p> <p>The score is interpreted in the following way: a score of 30 and 30 with distinction: an excellent knowledge of the statistical methods for the evaluation and a great command of technical language; 26-29: good knowledge of discipline and some tolerable inaccuracy; 25-23: some knowledge of the main issues and heavy inaccuracy; 18-22: minimal knowledge of the arguments; insufficient score: no knowledge of the fundamentals.</p>
TEACHING METHODS	Lectures, practical exercises and case study analysis

MODULE
METHODS AND MODELS FOR POLICY EVALUATION

Prof. DAVIDE PIACENTINO

SUGGESTED BIBLIOGRAPHY

La Spina A. – Espa E. (2011) *Analisi e valutazione delle politiche pubbliche*, Il Mulino
Martini A. – Sisti M. (2009) *Valutare il successo delle politiche pubbliche*, Il Mulino

Materiale didattico ulteriore sara' disponibile attraverso il portale di Ateneo.

AMBIT	20979-Attività formative affini o integrative
INDIVIDUAL STUDY (Hrs)	70
COURSE ACTIVITY (Hrs)	30

EDUCATIONAL OBJECTIVES OF THE MODULE

The course aims to investigate the approaches and statistical methods regarding the analysis and evaluation of public policies.

In particular, the course will focus

(A) definition of Public Policy, the structure of the Policy Cycle and the related stages of evaluation,

(B) Methods of analysis of the effects and impacts of a Public Policy (Impact Analysis Approach),

(C) Use of information devices and kinds of statistical data for the assessment of the Public Policy.

methods and case studies will be developed mainly related to the ex-post evaluation in the context of regional development policies linked to structural funds, in the light of the indications offered by the most popular manuals prepared by the European Commission.

SYLLABUS

Hrs	Frontal teaching
5	Introduction and instructions; presentation to the course, research and evaluative practice, a "definition" of evaluation, the five logical evaluation, Basic concepts and definitions of Public Policy (Policy) and a Public Policy cycle (Cycle Policy); Program Design and Evaluative logic. Questions and criteria, when, how and who that currency areas, instruments and ethics of the evaluator.
5	Evaluate the success of a Public Policy: the metaphor of the Martini-Sisti therapy methods Experimental Experimental and not for the assessment of public policies, the American and European experience, The counterfactual approach, problems and statistical tools of causal inference.
4	Specification of micro-econometric modeling and analysis of the validity
6	Non experimental methods: the use of statistical models for micro-policy evaluation
Hrs	Practice
5	Design a public policy questions and criteria.
5	The estimation of random effects: modeling and diagnostics using STATA

MODULE METHODS AND MODELS FOR SERVICE EVALUATION

Prof. STEFANO DE CANTIS

SUGGESTED BIBLIOGRAPHY

- Delvecchio F., Statistica per la ricerca sociale, Cacucci Editore, Bari, 2004,
- Delvecchio F., Scale di misura e indicatori sociali, Cacucci Editore, Bari, 1996,
- Bailey K.D., Metodi della ricerca sociale, Bologna, 1995
- Middleton, M., Analisi statistica con Excel, Apogeo, 2004
- Pagano A., Vittadini G. (a cura di) (2004) Qualita' e valutazione delle strutture sanitarie, Etas Libri, Milano
- Carpita M., D'ambra L., Vichi M., Cittadini G., Valutare la qualita, Guerini Studio
- Gori E., Vittadini G. (a cura di) (1999) Qualita' e valutazione nei servizi alla persona, Etas Libri, Milano

Il materiale didattico completo ed il programma dettagliato, articolato in crediti e' disponibile sull'apposito portale dell'insegnamento, previa iscrizione.

AMBIT	20979-Attività formative affini o integrative
INDIVIDUAL STUDY (Hrs)	70
COURSE ACTIVITY (Hrs)	30

EDUCATIONAL OBJECTIVES OF THE MODULE

The module aims to deepen the problems and the quantitative tools associated with the analysis of the evaluation processes within the services.

Related issues:

- (A) the construction of evaluation tools,
 - (B) their use for evaluative research,
 - (C) the critical choice of appropriate methods of statistical analysis
- They are the main focus of the course.

Numerous examples drawn from research carried out on the field are the subject of practices and exercises critical discussion of methodologies and evaluation instruments in different contexts (especially two: the evaluation of the university system with particular reference to the recognition of students' opinions on the teaching and evaluation of the Italian health system, with particular reference to the evaluation of the effectiveness of health treatments).

The module will have 'a cut of specialization with respect to the presentation of tools and evaluation analysis methods, and will be carried out special exercises and applications that will privilege the interaction and the active contribution of the student.

SYLLABUS

Hrs	Frontal teaching
2	Presentation and organizational information; Introduction to the course - methods and models for the evaluation of services: definition problems and the assessment of dimension for the evaluation research
4	The problem of measuring in the evaluation practice: the measurement scales; construction and administration of questionnaires. The interaction interviewer / interviewee
4	Sampling Techniques and data collection The measurement error and the evaluation research
4	The collection of information through surveys of the field: detection techniques and analysis methods. Construction of the data matrix, the codebook and coding issues: the treatment of missing values: Excel for statistical analysis
2	Statistical methods for the evaluation of effectiveness
2	Statistical methods for the evaluation of efficiency
2	Statistical methods for the evaluation of customer satisfaction
Hrs	Practice
6	Exercises and case studies on evaluation methods, efficiency and customer satisfaction: the evaluation in health services
4	Exercises and case studies on evaluation methods, efficiency and customer satisfaction: the evaluation within education and training services. University education