# uc3m Universidad Carlos III de Madrid

#### Advanced models and methods of evaluation

Academic Year: (2023 / 2024) Review date: 28-04-2023

Department assigned to the subject: Social Analysis Department Coordinating teacher: AGULLO TOMAS, MARIA SILVERIA

Type: Electives ECTS Credits: 6.0

Year: Semester:

#### REQUIREMENTS (SUBJECTS THAT ARE ASSUMED TO BE KNOWN)

Previous subjects regarding "Evaluation"

#### **OBJECTIVES**

## Knowledge:

- Skills to design and developed applied research in different social sectors.
- Management of methodology and basis technics of social sciences.
- Technics skills to produce and to analysis quantitative and qualitative data.
- Skills in sampling and field work.

To know how to choose the techniques from social research (quantitative and qualitative) adjusted to the setting and the evaluation context.

#### Learning:

Concepts and statistical techniques for human society.

## Capacities:

- Design, used and read into social indicator.
- To link knowledge of sociology and related sciences.
- To adjusted evaluation questions to economic resources, time and human support.
- To evaluate the programs, projects, public policies and social intervention and its results.
- To promote the design of public policies drive to solve social problems. .
- To design programs and projects of social intervention.
- To analysis and synthesis.
- To Information management.
- Organization and planning.

## Skills:

- Development of organizations (consulting, design and management of organizations and institutions).
- Critical thinking.
- Ethical commitment.
- Interdisciplinary teamwork.
- Decision making.
- Skills and learning outcomes
- Link to document

## **DESCRIPTION OF CONTENTS: PROGRAMME**

- To introduce the subject and link with previous subject ¿Development Evaluation of Programmes and Organizations ¿.
- -Operationalization: from questions or criteria to indicators. Identification of indicators and standards. Indicators reordered and ad hoc. Different ways to fix standards.
- To introduce techniques: surveys, secondary sources, observation, interview, focus group, life history other groups techniques and product and visual analysis.
- Impact Evaluation Design. To estimate effect. Attribution and contribution.
- Randomized models: difference of differences, quasi-experimental: identification of comparison groups: PSM, time series, regression discontinuity and non-experimental models.
- Statistical modelling: control of the third intervening variable (trivariate tables, standardization, averaged means). Multivariate analysis: multiple regression.

- Data analysis:
- \* Quantitative. Bivariate data mining: crosstabs, comparison of means, ANOVA and correlation. Multivariate data mining: multivariate regression.
- Qualitative: discourse analysis.
- \* Mixed methods.
- Interpretation. How to produce a data interpretation based in systematic approach or driven by program theory.
- Possible analyzes in evaluation, methods and the correspondence with purposes: enlightenment, improvement and accountability.

#### LEARNING ACTIVITIES AND METHODOLOGY

- Professor explanation of the contents with the active participation of students through dynamic and workshops. This method relates primarily to the acquisition of knowledge and abilities. The students work whit a brief handbooks. These tasks are estimated in 3 ECTS.
- Specific workshops (methodological options, discourse analysis and interpretation). The four workshops are conducting mainly with the assistance of the teacher in class time. This task is estimated in 3 ECTS.
- Individuals or group tutorials. The professor gives support trough individuals o groups interviews.

#### ASSESSMENT SYSTEM

The evaluation is based on the analysis of the evaluation work, an test and the products from workshops.

- The works and the participation involve the 85 % of the final score.
- The remaining 15 % comes from the test.

There is the possibility of being evaluated only with the test.

% end-of-term-examination: 15 %

% continuous assessment (assignments, laboratory, practical): 85%

#### Alternatives

- There is the possibility to make only the test (100%).
- There is the possibility that if someone wants to develop a real evaluation process it could be an alternative to the workshops.
- In special situations, this assessment system could be replaced by a written test for the entire subject.

Evaluation in the extraordinary call: the exam may have the value of 100%, or it may be complemented with an individual work establishing the following weights: exam 15% and individual work 85%. To do the weighted average you have to pass the exam with a 3.6. All this following the current regulations.

% end-of-term-examination: 15 % of continuous assessment (assignments, laboratory, practicals...): 85

### **BASIC BIBLIOGRAPHY**

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