

**Qualitative and Quantitative Research Methods**

Code: 42297  
ECTS Credits: 9

Degree	Type	Year	Semester
4313157 Advanced English Studies	OT	0	A

**Contact**

Name: Eva Codó Olsina  
Email: Eva.Codo@uab.cat

**Use of languages**

Principal working language: english (eng)

**Teachers**

María José Solé Sabater  
Eva Codó Olsina

**Prerequisites**

There are no prerequisites

**Objectives and Contextualisation**

The objectives of this course are

- (a) To provide students with the methodological tools needed to carry out linguistic research at a graduate level.
- (b) To introduce students to research using qualitative methods.
- (c) To introduce students to research using quantitative methods.
- (d) Familiarise students with data analysis instruments and the use of statistical packages.

**Skills**

- Analyse and synthesise information at an advanced level.
- Analyse the relationship between factors, processes or phenomena in the acquisition of English as a second language, its learning and teaching methods, and its literature, history and culture.
- Apply methodological knowledge of statistical analysis and data generation, treatment and codification of multilingual databases, analysis of literary texts, etc. to research.
- Communicate the knowledge acquired and the contributions of ones research correctly, accurately and clearly both orally and in writing.
- Critically argue, issue judgements and present ideas on the basis of the analysis of information originating from scientific production in these areas.
- Develop autonomous learning skills applicable to the research process.
- Distinguish and contrast between the different methodological and theoretical models applied to the academic study of the acquisition, teaching and use of English as a second language in multilingual and multicultural contexts, literary studies and cultural studies.

- Show respect towards the opinions, values, behaviours and/or practices of others.
- Use new technologies for capturing and organising information relevant to lifelong learning and problem-solving in professional activities.
- Use the English language for academic and professional purposes related to research into the acquisition, teaching and use of English as a second language in multilingual and multicultural contexts, literary studies and cultural studies.
- Work effectively in teams in multilingual, multicultural and interdisciplinary professional and/or academic environments.

## Learning outcomes

1. Analyse and interpret linguistic data in a coherent and structured manner.
2. Analyse and synthesise information at an advanced level.
3. Apply statistical analysis methods as well as different techniques for the treatment, transcription and coding of oral and written data of a multilingual nature.
4. Communicate the knowledge acquired and the contributions of ones research correctly, accurately and clearly both orally and in writing.
5. Critically analyse and evaluate academic texts that discuss research conducted within qualitative and quantitative paradigms.
6. Design research studies from a quantitative and a qualitative perspective while correctly identifying the factors at stake and anticipating the complexities of data generation and its contexts.
7. Develop autonomous learning skills applicable to the research process.
8. Distinguish the ontological and epistemological principles of linguistic research of a quantitative-experimental and of a qualitative nature and explain their differences.
9. Orally present the methodological design, data, analysis and results of quantitative and qualitative pieces of research in an organised, clear and understandable manner.
10. Present the methodological design, data, analysis and results of quantitative and qualitative pieces of research in writing while observing the conventions of academic articles in English.
11. Show respect towards the opinions, values, behaviours and/or practices of others.
12. Use new technologies for capturing and organising information relevant to lifelong learning and problem-solving in professional activities.
13. Work effectively in teams in multilingual, multicultural and interdisciplinary professional and/or academic environments.

## Content

### Qualitative Methods

1. Introduction to a qualitative approach to the study of language: ontological and epistemological issues
2. Ethnographic design and ethnographic research questions. Types of ethnographic research.
3. Sites and networks. Access. The ethics and politics of ethnographic research.
4. Writing fieldnotes. Texts, visuals and other types of data
5. Interviews, life stories and narratives.
6. Audio- and videorecordings of linguistic interaction.
7. Working with spoken data. Transcription.
8. Analysing data and "writing up".

### Quantitative Methods

1. Introduction to research design. Dependent and independent variables. Hypothesis formulation. Control and experimental conditions. Subject/material/task selection. Types of experimental design (between, within and matched-subject design; time-series design; factorial design).
2. Descriptive statistics. Measures of centrality and dispersion.
3. Basic inferential statistics. Probability theory. T-tests. ANOVAs. Chi-square tests. Correlations. Regressions.

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## Methodology

Lectures at the beginning of each topic to introduce basic concepts

In-class discussion of assigned readings.

Problem-solving activities.

Correction and discussion of exercises.

Student presentations.

Data gathering, transcription and analysis

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## Activities

Title	Hours	ECTS	Learning outcomes
<b>Type: Directed</b>			
Discussion of assigned readings	25	1	5
Lectures	20	0.8	8
Practical exercises	30	1.2	1, 3, 6, 8, 12, 13
<b>Type: Supervised</b>			
Preparation work for assignments and design of final project	25	1	9, 10
<b>Type: Autonomous</b>			
Exercises	50	2	2, 5, 7

## Evaluation

Continuous assessment based on class participation, exercises and assignments (50%) and a final project (50%).

## Evaluation activities

Title	Weighting	Hours	ECTS	Learning outcomes
Assignments	60%	35	1.4	1, 2, 3, 4, 5, 6, 7, 8, 10, 11, 13
Class participation	15%	15	0.6	2, 5, 8
Final project	25%	25	1	1, 3, 6, 7, 9, 10, 12

## Bibliography

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#### Quantitative Methods

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