

Methodology of Applied Research in Clinical and Health Psychology

Code: 43873
ECTS Credits: 9

Degree	Type	Year	Semester
4316222 Research in Clinical Psychology and Health	OB	0	1

Contact

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Use of Languages

Principal working language: spanish (spa)

Teachers

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Prerequisites

There are no prerequisites.

Objectives and Contextualisation

The objective of this module is to enable students to acquire the necessary knowledge to design an empirical or theoretical research in the field of clinical and health psychology, as well as to apply the scientific method in their professional practice.

Students learn to formulate relevant questions, to adequately define research objectives and hypotheses, and to discriminate which methods and research designs are appropriate to these objectives and hypotheses. The different sampling procedures applied in clinical and health psychology research are also reviewed, as well as the sample size calculation to assure an adequate statistical power.

Likewise, students develop skills related to the data management, statistical analysis and interpretation of the results, as well as those related to the systematic reviews, selection, critical reading and synthesis of relevant information to carry out research and act rigorously in their professional practice.

Finally, students learn to identify and discuss the clinical, methodological and technical implications of research, as well as its repercussions on the professional practices and on the development of the scientific knowledge.

Competences

- Analyze critically the most current theories, models and methods of psychological research in the field of clinical and health psychology.
- Analyze data and interpret results on research in clinical and health psychology.

- Apply the outstanding ethical principles and act accordingly to the deontological code for the profession in the scientific research practice.
- Continue the learning process, to a large extent autonomously.
- Design, plan and to implement projects psychological research project in the area of clinical and health psychology.
- Pose relevant and new research questions in clinical and health psychology depending on the bibliography consulted.
- Search for information in scientific literature using appropriate channels and integrate such information to propose and contextualize a research topic.
- Solve problems in new or little-known situations within broader (or multidisciplinary) contexts related to the field of study.
- Use scientific terminology to argue the results of research in the context of scientific production, to understand and interact effectively with other professionals.

Learning Outcomes

1. Apply the outstanding ethical principles and act accordingly to the deontological code for the profession in the scientific research practice.
2. Carry out a critical reading of a scientific publication on the basis of the methodological quality of the research design used and the scientific and practical relevance of the results or contributions.
3. Carry out a descriptive analysis of a study using a quantitative methodology and interpret the results and present them in the form of graphs and tables.
4. Carry out a systematic review to summarise the best available scientific evidence.
5. Continue the learning process, to a large extent autonomously.
6. Design research using qualitative or mixed methods.
7. Design research using quantitative methodology including the preparation of a data base and the creation of the variables needed to answer the research questions.
8. Identify relevant questions in clinical psychology and health psychology which require scientific clarification.
9. Prepare the data matrix, clean it and create the necessary variables to carry out a descriptive analysis of a study using a quantitative methodology.
10. Propose objectives, the research question and formulate hypotheses for research in clinical psychology and health psychology.
11. Recognise the research and topics for study in clinical psychology and health psychology which are most appropriate for research using qualitative and mixed methods.
12. Recognise the research and topics for study in clinical psychology and health psychology which are most appropriate for research using quantitative methods.
13. Search for information in scientific literature using appropriate channels and integrate such information to propose and contextualize a research topic.
14. Solve problems in new or little-known situations within broader (or multidisciplinary) contexts related to the field of study.
15. Use scientific terminology to argue the results of research in the context of scientific production, to understand and interact effectively with other professionals.

Content

- Research methods, designs and research techniques applied to the field of clinical and health psychology.
- Critical reading skills and evaluation of the methodological quality of scientific publications.
- Systematic reviews and selection of scientific evidence.
- Data management and data analysis.
- Adaptation and validation of measurement tools.
- Statistical data analysis and interpretation of the results.
- Indicators of the efficacy, effectiveness and efficiency of the interventions.
- Sampling procedures and sample size calculation.

Methodology

This modul combines traditional teaching techniques with other resources aimed at promoting meaningful learning.

Activities

Title	Hours	ECTS	Learning Outcomes
Type: Directed			
Oral communications and activities in the classroom	52.25	2.09	1, 13, 3, 6, 7, 4, 8, 10, 2, 9, 14, 5, 11, 12, 15
Type: Supervised			
Tutorials	11.25	0.45	13, 3, 6, 7, 4, 10, 9
Type: Autonomous			
Reading of texts and articles, conceptual summaries, preparation and realization of works, personal study	157.5	6.3	1, 13, 3, 6, 7, 4, 8, 10, 2, 9, 14, 5, 11, 12, 15

Assessment

The evaluation process is based on the active student-centred learning model, through a flexible continuous evaluation system that helps students to achieve maximum performance. A reassessment exam is also available. The evidence of learning is distributed as follows.

Continuous evidences of learning:

Evidence 1 (EE1). Oral test, individual. Contents: Data analysis. It counts for up to 3 of the 10 marks available overall.

Evidence 2 (EE2). Written, individual. Contents: Methodology, designs and research assessment. Systematic reviews and scientific evidence. Sampling procedures. It counts for up to 5 of the 10 marks available overall.

Evidence 3 (EE3). Submit a scientific report. Contents: Adaptation and validation of assessment tools. It counts for up to 2 of the 10 marks available overall.

Definition of "evaluable student"

A student is considered evaluable when he/she has submitted learning evidence with a weight equal to or greater than 4 marks (range 0-10).

Requirements for a passing grade

A student has passed the subject when he/she simultaneously meets the following two criteria:

- Achieving at least 5 marks (range 0-10) in the continuous evaluation system.
- Achieving at least 3 marks (range 0-10) in all of evidences EE1, EE2 and EE3.

Not meeting these criteria means that a maximum grade of 4.9 marks (range 0-10) can be recorded on the student's academic transcript.

Right to reassessment

The evidences EE1, EE2 and EE3 can be reassessed. To be eligible for reassessment, the following two requirements must be met.

- a) Not passing the subject, but achieving a final grade of at least 3.5 marks (range 0-10).
- b) Submitted learning evidence with a weight equal to or greater than 2/3 of the total grade.

The grade achieved in reassessment replaces the grade previously obtained in examinations EE1/EE2/EE3, with the limitation of a maximum score of 6 marks (range 0-10)

*The criteria/requirements for the assessment in the Faculty are available at:

<https://www.uab.cat/web/estudiar/graus/graus/avaluacions-1345722525858.html>

Assessment Activities

Title	Weighting	Hours	ECTS	Learning Outcomes
EE1. Oral test, individual. Data analysis	3 marks	1.25	0.05	1, 13, 3, 9, 14, 5, 15
EE2. Written, individual. Methodology, designs and research assessment. Systematic reviews and scientific evidence. Sampling procedures.	5 marks	1.5	0.06	1, 13, 6, 7, 4, 8, 10, 2, 14, 5, 11, 12, 15
EE3. Submit a scientific report. Adaptation and validation of assessment tools	2 marks	1.25	0.05	1, 13, 3, 8, 9, 14, 5, 15

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