

Research Methods and Designs in Psychology

Brief description of course content (According to the programme's verification report)

Descriptors:

Methodological foundations of scientific research. Experimental, quasi-experimental, survey and observational methodology.

Contents:

Scientific research: foundations, requirements and objectives of the scientific method. Levels of the general model of scientific research: theoretical-conceptual, technical-methodological and statistical-analytical. Research methods and designs. Factors and operations when planning experimental research. Factors and operations when planning non-experimental research: quasi-experimental, survey and observational research. The validity of research. The research report.

Learning outcomes

1. To understand the concepts of science and the scientific method.
2. To understand the general model of scientific research as applied to Psychology.
3. To understand the characteristics of experimental, quasi-experimental, survey and observational methodologies.
4. To understand the main research designs in Psychology.
5. To know how to write a research report in line with APA standards.

Planned learning activities

Theory Syllabus

01. Science and the scientific method: foundations, requirements and objectives of science.
02. Origin models and the evolution of scientific knowledge.
03. Psychology as a science: reflections, doubts and questions.
04. General process of scientific research.
05. Research methods: differences and similarities between experimental, quasi-experimental, survey and observational methodologies.

06. Elements and operations in research planning: the problem of research and research hypothesis and objectives, sampling, methodological variables in psychological research, sensitivity and validity of the research, variance and control.

07. Statistical modelling and research design.

08. Classification of research designs understood as detailed data collection strategies in each methodology.

09. Pre-experimental designs.

10. Quasi-experimental designs.

11. N=1 designs. Methodological foundations.

12. Authentic experimental designs.

13. Methodological factors of the survey and sample designs.

14. The observational method.

15. Writing the research report.

NOTE: There is no minimum attendance in theoretical classes in order to be able to assess the subject.

Practical Syllabus

Development of different case studies which complement the knowledge acquired in each topic. They will be indicated by each teacher at the start of the teaching period.

NOTE: There is no minimum attendance in practical classes in order to be able to assess the subject.