

Course Descriptions

SSGC8809 Research Ethics

In this online research ethics course, students will engage as independent learners in the CITI training programme to gain in-depth knowledge and understanding of all aspects of ethics as it applies in the social sciences. The CITI training programme comprises the minimal standards to demonstrate ethical competence and to comply with UM policy and Macau governed regulations for research with vulnerable populations, emerging designs, technology, and more. All students need to complete the discipline-specific prescribed units of the CITI training programme with a default score of 80% or more.

PSYC8814 Research Methods in Psychology

This course trains students to conduct and consume research in psychology. The training includes basic methodology and statistics involved in experimental and correlational research. Analysis of variance (ANOVA) as the analytical tool and experimental design as the methodological architecture for conducting experiment and quasi-experiment will be introduced. Correlation and regression will be introduced as the main analytical framework for non-experimental or correlational research together with discussions on methodological and research validity issues involved in correlational studies.

PSYC8816 Advanced Quantitative Analysis

This course covers two major analytical frameworks in psychology, namely, ANOVA's and correlational analyses such as multiple regression and path analysis. This course continues with the correlational analysis by presenting advanced multivariate data analysis methods such as structural equation modeling, as well as its specialized use, e.g., latent growth modeling, and hierarchical linear modeling, and other advanced and specialized analytical methods (e.g., meta-analysis).

PSYC8815 Seminar in Cognitive Psychology

This seminar course provides a general survey of cognitive psychology including its classic research and theories (e.g., information processing models) before delving into a detailed treatment of a special issue or area of research representing the latest and cutting edge development of cognitive psychology.

PSYC8810 Seminar in Developmental Psychology

This seminar course provides a brief survey of developmental psychology including its classic research and theories (e.g., Piaget's cognitive development) before delving into a detailed treatment of a special issue or area of research representing the latest and cutting edge development of developmental psychology.

PSYC8811 Seminar in Social Psychology

This seminar course provides a brief survey of social psychology including its classic research and theories (e.g., social identity theory) before delving into a detailed treatment of a special issue or area of research representing the latest and cutting edge development of social psychology.

PSYC8812 Seminar in Applied Psychology

This seminar course provides a brief survey of an applied psychology (e.g., I/O psychology) including its classic research and theory before delving into a detailed treatment of a special issue or area of research representing the latest and cutting edge development of the applied area of psychology (e.g., I/O psychology).

PSYC8813 Advanced Topics in Psychological Science

In this seminar-based course, students will engage with high-level readings from primary sources for exploration of selected topics related to psychology but not covered in other Seminar courses, such as topics on the latest trends in psychology, issues currently under debate, or new paradigms and approaches recently proposed. The readings will vary from year to year depending on the expertise of specialist staff and the needs for advanced study of psychology.

PSYC8999 Doctoral Thesis

Students will propose and develop a psychology research project, conduct the planned study, perform the necessary analysis, and write up the thesis of the research project. Completion of the thesis also includes a public defense. The thesis will be supervised by a professor in the department of psychology. The student will be evaluated for demonstrated ability to conduct independent research in psychology.