

**Module description**

Module title	PSYCH-MA-KM-01: Research Methods in Psychology
Subject	Psychological Methodology
Associated degree	Master of Science (M.Sc.)
Module coordinator	Prof. Dr. Christof Schuster Christof.Schuster@psychol.uni-giessen.de
Frequency and duration	Winter and summer (2 semester course, 1.5h per week)
Language of instruction	German
Examination	Written examination
ECTS	10 (for full 2 semester module; partial module = 5)
Prerequisites	none
Learning outcomes	Students will learn the fundamentals of complex statistical evaluation methods. They will gain essential skills that ensure their ability to appropriately apply these methods to significant issues. In addition, students will learn to use modern statistics software to perform the calculations that are a necessary part of those methods, so that they can apply multivariate statistical methods to practical situations.
Module content	Methods in multivariate statistics, including: <ul style="list-style-type: none">- linear models- cluster analysis- discriminant analysis- factor analysis