

Module description

Module title	PSYCH-MA-GM-04: Developmental Neuroscience
Subject	Developmental Psychology
Associated degree	Master of Science (M.Sc.)
Module coordinator	Prof. Dr. Gudrun Schwarzer Gudrun.Schwarzer@psychol.uni-giessen.de
Frequencey and duration	Winter and summer (2 semester course, 1.5h per week)
Language of instruction	German
Examination	Essay or presentation
ECTS	10 (for full 2 semester module; partial module = 5)
Prerequisites	none
Learning outcomes	 Students will learn to think critically about various theories and models of human development gain detailed knowledge of the research methods used in childhood neuropsychology learn about childhood syndromes and disorders related to sensorimotor abilities, perception, cognition, and emotion gain in-depth knowledge of key treatment and support methods for relevant childhood developmental disorders which draw on fundamentals from the discipline
Module content	 Neuropsychological fundamentals of sensorimotor, perceptual, cognitive, and emotional development Findings in developmental plasticity Research methods for childhood neuropsychology, electroencephalography (EEG), eye tracking, heart rate analysis, functional MRI (fMRI) Planning, implementation, and data analysis of neuropsychological studies of different age groups Age-dependent psychological task analysis Developmental syndromes and disorders Relevant methods of diagnosing developmental disorders of sensorimotor abilities, perception, cognition, and emotion Support measures for sensorimotor abilities, perception, cognition, and emotion which are based on fundamentals from the discipline