

Fall 2011, 830:410Advanced Topics in Psychobiology Alexander Kusnecov,

Description - Advanced Topics in Psychobiology Description

This course will consist of a more in-depth treatment of key topics in neuropsychology, with particular emphasis on the neural substrates for distinct psychological processes. Both animal and human research will be discussed in regard to the following topics: attention, memory, decision-making, mirror neurons, language, emotion, cerebral specialization, sleep and dreams, and the resurgence of "the unconscious" as a behavioral influence. Clinical topics will include depression, schizophrenia, attention-deficit disorders, autism, dementia and stroke. Students are expected to have a strong background in neuroanatomy and the neurochemical and/or electrophysiological basis of communication in the brain. Only a brief refresher of this basic information will be provided.