

Spring 2017 Advanced Topics/400 Level Courses

830:410 Advanced Topics in Psychobiology

The Architecture of Intelligence

Instructor Bruno Sauce Silva

ARC 105, MTH2 (10:20-11:40 am)

Prerequisites: Any one of the following: 830: 303 (Memory), 830:305 (Cognition), 830:310 (Neuropsychology), 830:311 (Learning Processes), or 830: 313 (Physiological Psychology)

(Jr/Sr 830 Major or permission of instructor is a prerequisite for Advanced Topics/400 Level courses)

“What is intelligence?” This may seem a simple question to answer, but the study and measurement of intelligence (or its quantitative description, IQ) is one of the most controversial topics in the history of psychology. Here we will provide an overview of the principal topics surrounding this fascinating area, including the development of intelligence, theories of intelligence, environmental effects on intelligence, the cognitive processes that regulate intelligence, the social and functional impacts of intelligence, and the neural basis for variations in intelligence.