**830:402 Advanced Topics in Human Cognition**  
**Perceptual judgments and decision making**  
**Professor Melchi Michel**  
**ARC 110, MW4 (1:40-3:00pm)**

**Prerequisite:** 830:301 (Sensation and Perception) or 830:305 (Cognition)  
(Jr/Sr 830 Major or permission of instructor is a prereq for Adv Topics/400 Level courses)

In this course, we will examine contemporary studies of perception, with an emphasis on normative approaches to studying perceptual judgments and perceptual-motor decision making. The course will include an introduction to normative approaches (including Bayesian and Ideal Observer/Actor models), but will focus on reading, discussing, and critiquing recent primary source papers. Specific topics will include: visual motion perception, depth perception, visual perception of shapes and objects, combination of information across different senses (e.g., vision and hearing, vision and touch), visual search, and perceptual-motor interaction.