Cognitive Psychology is the study of how people perceive, process, remember, and use information. It attempts to understand how the brain works from a functional, as opposed to physiological, perspective. It does this by inferring details of mental processes from observable behaviors in well-controlled experiments. Some of the topics that we will address in this course are pattern recognition and perception, attention, executive function, concept formation, working memory, and long term memory. Time permitting, we may also address issues such as speech perception, language understanding, knowledge representation, and decision making. We will survey each of these fields in this course, but we also plan on going into greater depth in one or two areas and review in detail some current research in Cognitive Psychology. The course is primarily lecture-based, but we liberally sprinkle it with demonstrations. Students will also have the opportunity to try out themselves some of the experiments that we discuss in class.