AUTUMN QUARTER

In this section we will explore the cognitive neuroscience of perceptual consciousness from the computational, neural, and psychological points of view while focusing on three domains: visual perception of art, auditory perception of music, and the processes related to reading.

Linguistics, R. Rotenberg – LPC TTH 1:00-2:30
This course will use a functional linguistics (the study of language in everyday contexts) approach to explore the puzzles surrounding human consciousness. Students will study conversation as a means of exploring consciousness and enhancing knowledge of the cognitive processes that link individuals together in systems of meaning.

WINTER QUARTER

Social Influences Human Cognition – M. Martinez-Firestone LPC MW 9:40-11:10
The course will focus on the effects of markets, networks, hierarchies, organizations and institutions on individual cognition, while exploring how cognition affects those social structures.

Cognitive Modeling, P. Hastings – LOOP MW 1:30-3:00
Have you ever wondered, “Why did I do that?” or “What was I thinking?” The mind is a wonderful, but mysterious thing. Cognitive Science is beginning to make progress in shedding light on some of the mysteries. In this class, students will explore theories of how people think, learn, use language, and make decisions. Students will experiment with models of cognition to see how well the models match what people really do.

The Unconscious Mind, B. Sundermeier – LPC TU 6:00-9:15
In this course students will get a sampling of cognitive science research on a variety of topics and from a variety of approaches. For some topics, such as the nature of conscious, we will focus heavily on philosophical approaches. For others, such as artificial intelligence, we will sample more from the work of computer scientists. Our primary focus, however, will be learning to evaluate theories, and implement computational models of human cognition, largely drawn from work in cognitive psychology.
**SPRING QUARTER**

**The Mysterious Brain**, C. Elliott – LPC MW 9:40-11:10  
This hybrid course takes advantage of the rich online resources that are available for students as they study the mysterious ways that people think and perceive. This course primarily deals with mysteries of the brain and the mind, tapping into amazing new findings and innovative questions about how we think, perceive, process information and remember. This class will meet periodically on Thursday afternoons at the Loop Campus, to ensure that students have plenty of opportunities to ask questions and engage the professor and their classmates in face to face interactions. However, much of the work will involve watching recorded materials and participating in online discussions of the readings that anchor the course.

**How People Learn** – M. Kalchman – LPC TTH 11:20-12:50  
In this course we will consider traditional and modern theoretical practical models for how people learn. Students will explore how these theories support or conflict with how we believe we see ourselves as learners, and discuss how research into how people learn has made an impact on schooling and teaching practices.

**Mind and Consciousness** – J. Hill – LPC TTH 1:00-2:30  
The aim of this course is to take up theories of mind and consciousness developed in the tradition of analytic philosophy, especially those involving the role and philosophy of language. These theories stand in contrast to “computational” models of the mind, attempting to account for the plasticity of consciousness.

**Social Influences Human Cognition** – M. Martinez-Firestone LPC MW 1:00-2:30  
Please see Winter Quarter description.