

"CogSci: Past, Present, Future" in BSCS 2016, by George Kampis
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Scope

The course is a historical summary and outlook of CogSci in the end of the BSCS Semester (an "extroduction"). It also reflects back on past courses in the same Fall, based on the slides of the teachers. I will go through all the material, stopping at critical points for reflection and discussion. Serves as a wrap-up of the Semester.

Example list of exam questions from 2015 (actual list depending on past courses):

What are type and token reduction?

What is methodological reductionism?

What is parsimony?

What is the Titchener illusion?

Describe the "light bulb catching" experiment!

What is the evolutionary suggestion about the dorsal and ventral systems?

What is Gibsonian perception?

What is the extended mind hypothesis?

What is change/inattentional blindness (CB)?

How is CB related to the extended mind idea?

Describe an experiment/demonstration on CB!

What is a "split brain" and who became famous for it?

Describe a split brain experiment!

How does rationalization enter in the split brain context and why?

Describe Libet's free will EEG experiment briefly (timing, prediction, etc.)

How is an fMRI study improving on Libet?

What is the "sci-fi" suggestion about the fMRI study's speed and compute time?

What is intentionality?

What are intrinsic and derived intentionality?

What is the ladder of intentionality?

What is Machiavellian intelligence?

What is Cartesian dualism about?

Why is dualism important if few scientist hold it?

What is, briefly, the essence of Descartes' argument for dualism?

Describe ways of handling dualism!

What is "zero hypothesis testing" (ZHT)?

What is the argument of Ioannidis/Shalizi against ZHT?

How can science cope with decreasing effects?

What is Putnam's Twin Earth thought experiment?

What is semantic externalism?

Describe social externalism!

What are "mental models"?

Describe the "Language of Thought" hypothesis (LoT)!

What are Fodor's reasons for adopting LoT?

What is the Physical Symbol Hypothesis (PSH)?

What is functionalism?