

# **COMP 20090: Introduction to Cognitive Science.**

## **Study Sheet: The History of Cognitive Science.**

### **1. Cognitive Science**

What is Cartesian Dualism, and how did Descartes argue for it?

What is the basic source of knowledge from an empiricist perspective?

What is the basic source of knowledge from a rationalist perspective?

What experimental methods did the first psychologists (Wundt, James....) use, and which of them were problematic?

How and why did a rejection of introspectionism contribute to the emergence of behaviorism?

What are operant conditioning and classical conditioning? Have examples ready!

What general critiques might one level at behaviorism?

What was the dispute between Chomsky and Skinner about?

What is the Language of Thought hypothesis? the Modularity of Mind hypothesis? The Physical Symbol System Hypothesis? How did all these contribute to the information processing approach to modelling cognition?

Why are modern linguistics and cognitive psychology so closely related?