Psychology 354 Final Review

Exam format Exam tips Course Themes in Review

Exam Format

- Same format as midterm
- 10 definitions (choose from 12)
 - · 3 marks each
 - 2 marks define the term
 - 1 mark say why term is interesting
 - · Don't use point form!
- 1 essay (choose from 3)
 - · 35 marks
 - 3-4 pages
 - · Don't use point form
- · Sample exam is on the website

Exam Tips

- Be more advanced than in midterm!
- Don't name drop
 - Don't name a term, and assume that by naming it I will think that you know what it means
- · Don't fish
 - · Don't regurgitate the whole course
 - · Keep your answer focused
- Try to surprise me
 - Go beyond what I've told you to get full marks on the essay

Theme 1: Three Schools

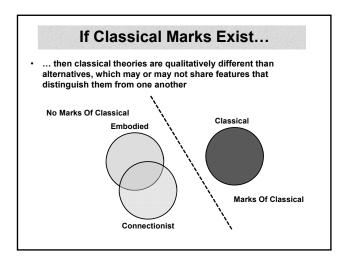
- Key theme of course was that there are three different schools of thought in modern cognitive science
 - Know their properties
 - Know their relations to one another
 - Know their relative advantages and disadvantages

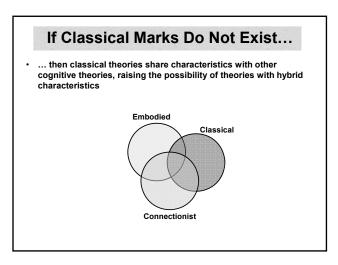
Classical Cognitive Science Core Ideas - Mind as a physical symbol system - Mind as planner - Mind as class of the manipulator of models of the Mind as creator and manipulator of models of the Mind as sense-think-act processing - Mind as sense-think-act processing - Symbolic logic - Tacit Assumption - Nativism, nalive realism - Symbolic logic - Prototypical John - Nativism, nalive realism - Prototypical John - Prototypical Members - Prototypical John - Prototypical John - Prototypical Domain - Language - Protolem solving - Prototypical Roots - Hobbes - Descartes - Leibniz - Craik - Consk - Dennett - Fodor - Pylyshyn - Dennett - Fodor - Pylyshyn - Some Pioneering Works - Plans And The Structure Of Behavior (Miller, Galanter, & Protram, 1860) - Aspects Of The Theory Of Syntax (Chomsky, 1859) - Human Problem Solving (Newell & Simon, 1972)

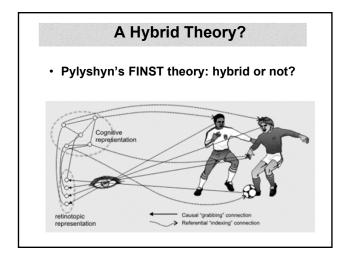
Connectionist Cognitive Science Connectionist Cognitive Science - Mind as information processor, but not as a digital computer computer ending the computer of the control of the contro

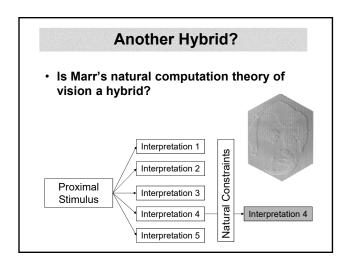
Theme 2: Unification?

- A second main theme running through the course is the potential for a unified cognitive science
 - Given what we know about the three schools, to what extent are they complementary or similar?
 - Is there a need for the three schools to be united?
 - Is there a possibility for such unification?









Theme 3: Technical Language

- You have been exposed to many technical terms used in cognitive science
 - Know what they mean
 - Know why they are important
 - Use them wisely

