

# CS101

## Themes for the Midterm Exam

Fall 2007

October 14, 2007

1. Search
  - (a) definition of terms
  - (b) Uninformed techniques
  - (c) Informed techniques
2. Constraint Satisfaction Problems
  - (a) Definitions of the technique
  - (b) How would you frame the problem as a CSP?
3. Logic
  - (a) Propositional Logic: Syntax  
Natural Deduction (I'll give the rules)
  - (b) FOL; translations;  
FOL to English;  
English to FOL
  - (c) Unification;  
Conversion of FOL expressions to CNF  
Resolution