- ▼ CS 301, October 17, 2004 (the value of wrong answers)
 - handouts
 - questions for self-paced tutors to ask
 - where do you expect to encounter a student with a wrong answer?
 - · office hours: program bug, or wrong answer for homework or exam
 - lab: program bug
 - discussion section: wrong answer to a question you ask
 - what do you do with it? what should you not do with it?
 - what is your goal?
 - what should be your goals
 - exposing wrong answers
 - · provide opportunities for active learning
 - peer instruction
 - questions we have tutors in the self-paced courses ask
 - find out the reasons for the wrong answer
 - Ed Dubinsky anecdote
 - misconceptions research
 - ▼ let student talk as much as possible; how do you know what he/she knows otherwise?
 - anecdote: debugging expert in self-paced
 - don't embarrass the student
 - anecdote: tic-tac-toe
 - helping students do better on exams
 - common reasons for wrong answers: not understanding material, careless errors, misunderstanding the question
 - a solution should target the problem, e.g. by having students generate problem interpretations rather than answers
 - emphasize process over end product
 - problem solving tree
 - case studies
 - small steps in curriculum