# CHEN3600 – Computer-Aided Chemical Engineering Spring 2012

# Chemical Engineering Department CQ11

**T.D. Placek Auburn University**

 **CQ11 – Whose Monty Hall Anyway??**

DO NOT SUBMIT YOUR SOLUTION!

1. Please prepare a Monte Carlo Simulation to solve the following problem. Only after arriving at an answer may you search for an answer or approach on the web.

The Monty Hall Dilemma was discussed in the popular "Ask Marylin" (Marylin vos Savant ) question-and-answer column of the Parade magazine.

*Suppose you're on a game show, and you're given the choice of three doors. Behind one door is a car, behind the others, goats. You pick a door, say number 1, and the host, who knows what's behind the doors, opens one of the doors which has a goat, say number 3. He says to you, "Do you want to pick door number 2?" Is it to your advantage to switch your choice of doors?*