

King Saud University

College of Engineering

GE 105: **Introduction to Engineering Design**

**Due:** Thursday, March 10, 2016

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### **Tutorial 3**

## **Need Analysis, Objectives, Criteria, and Constraints**

Identify the potential (possible) market, establish customer needs, and then set up design objectives, design constraints (limitation), and criteria (measure) for design evaluation for the following devices:

1. Full Service Auto Cruise Control
2. Automated Floor Cleaning
3. Ultimate Fitness Equipment
4. Swim Kickboard
5. Automobile Sunglass Case