LAB 2      (sim2)      {January 12, 2013}                          7 points

**Wireless Local Area Network**
**Medium Access Control for Wirelessly Connected Stations**
**Due: Monday, March 25, 2013 at 11:59 p.m.**

## Objective

This lab reinforces the details of the IEEE802.11 wireless protocol and includes experience with wireless performance metrics.

## Details

Lab 2 directs that you create four duplicate scenarios:  DCF, DCF_FRAG, DCF_PCF, and DCF_PCF_FRAG. For this CS513/ECE506 assignment you are to **replace** the DCF_PCF_FRAG scenario with a DCF_RTS scenario to study the impact of using RTS/CTS on IEEE802.11 performance.

In addition to the five statistics chosen as results on page 14, select the **Dropped Data Packets (packets/sec)** statistic for all four scenarios.

Complete exercises 1-3 and 5.  Namely you should replace exercise 4 with analysis of the DCF_RTS scenario in exercises 2, 3 and 5 and  analyzsis of a graph that compares **Dropped Data Packets (packets/sec)** for the four scenarios simulated.