***CPRE 431***

***M07 Lab HW***

**Assignments will be submitted in PDF format via Canvas.**

Please submit your homework online through Canvas. Late homework will not be accepted.

Important: Your submission must be in .pdf format ONLY!

**Please ensure that you support all your answers with the correct screenshots showing your solutions.**

**This is a bonus lab (you will not lose any points if you didn’t submit it).**

In this lab, you are going to use another testbed named ORBIT

To use this testbed, you have to register first. Go to: [​registration form](http://www.orbit-lab.org/userManagement/register)

In the Organization field, you have to choose Iowa State University. However, you will find Iowa State University duplicated three times. Please choose the one in the middle.

After registering to the ORBIT network, you will be able to reserve resources. Note that reserving resources in ORBIT is different than GENI. In ORBIT, the reservation has to be during a certain date/time.

Choose one from these two experiments to implement:

1. Follow the steps in this link to complete the lab: <https://witestlab.poly.edu/blog/passive-sniffing-in-802-11-networks/>
2. Follow the steps in this link to complete the lab: <https://witestlab.poly.edu/blog/channel-planning-in-802-11-understanding-the-effect-of-nearby-networks/>