

## **AerE344 Pre-Lab Assignment - Experiment Design Component**

### **Lab # 13: Demonstration of Wind Turbine Aerodynamics Research**

#### **DUE: At lab time for Lab Experiment # 13**

You will need to finish this pre-lab assignment before you come to the wind tunnel laboratory to do the experiments.

#### ***What you will be given for your experiment:***

- An atmospheric boundary layer wind tunnel
- 9 wind turbines
- A PPT slide to introduce you the wind turbine project

#### ***What you need to know before you came to the lab:***

- You should review and understand the concepts of wind tunnels
- You should understand the basic concepts of wind turbines

#### ***What your experiment needs to produce:***

- ***This is a demonstration experiment. There is no lab report required for this lab!***