# Understanding Experimental Design

Design a mini experiment to test the differences in classes that use Powerpoint for lectures and classes that do not use Powerpoint for lectures.

What is the Independent variable?

What type of variable is the independent variable?

What would you measure as the dependent variable?

What are some potential nuisance variables?

How would you control for those nuisance variables?

CAN you actually control for some of those variables – think about how students enroll in courses?

Who are we trying to generalize to? (aka who’s the population?)

What type of design is the study? Is there a practical way to switch to the other type?