

## 40041 Statistical Methods for Experiments (3)

### **Knowledge**

Should learn Comparison of two groups, t- and F-statistics; ANOVA, one-way and multiway layouts, randomization blocking.

### **Comprehension**

To learn Linear regression, correlation and analysis of covariance (ANCOVA). Repeated measures analysis of variance

### **Application**

The main and most important application is to solve many different problems related to the subject.

### **Analysis**

N/A

### **Synthesis**

To develop numerical and analytic skills to solve problems in statistics.

### **Evaluation**

Should complete homeworks, pass midterm tests and a final exam.

### **Class Activities**

To solve problems in class and discuss theorems.

### **Out of class Activities**

To submit homework assignments.