

## 40042 Sampling Theory (3)

### **Knowledge**

Should learn the methodology for the design and analysis of sampling and surveying studies.

### **Comprehension**

To learn simple random, stratified, cluster, PPS and two- stage sampling techniques. Linear, ratio and regression estimators.

### **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 sampling theory.

### **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.

