



### Introduction to Survey Sampling (tentative schedule)

Day 1 April 29th 2013 Qatar University New Library Computer Lab room # 204	
8:30 am	Registration and Coffee
9:00 am – 11:30 am	Background: Course introduction, Simple random sampling methods Exercise 1. The sampling distribution Element sampling: A brief history of survey sampling Estimation of population means and proportions
11:30 am – 12:30 pm	Light Lunch/ Prayer break
12:30 pm – 2:00 pm	Sampling variance Sample size determination Exercise 2 Element sampling: Systematic sampling Exercise 3
Day 2: April 30th, 2013	
8:30 am	Registration and Coffee
9:00 am – 11:30am	Cluster sampling: Equal sized clusters Subsampling Design effects and intracluster homogeneity Exercise 4
11:30 am – 12:30 pm	Light Lunch/Prayer break
12:30 pm – 2:00 pm	Sampling unequal sized clusters Probability proportionate to size selection Exercise 5 Stratification: Purpose of stratification Stratified sampling estimates



Day 3: May 1st, 2013	
8:30 am	Registration and Coffee
9:00 am – 11:30 am	Determining sample allocation Exercise 6 Sampling problems: Frame problems Objective respondent selection
11:30 am – 12:30 pm	Light lunch/ Prayer break
12:30 pm – 2:00 pm	Weighting Exercise 7 General issues in variance estimation SESRI Sampling Methods