**2011-2012ACADEMIC YEAR**

**COURSE SYLLABUS**

**Lecturer** : Assoc.Prof. Çiğdem Arıcıgil ÇİLAN

**Name of the Course**  : Statistical Analysis

**Content**

**1.Week** : Sampling and Sampling Distributions

**2.Week** : Population Mean Estimation

**3.Week** : Population Proportion Estimation

**4.Week** : Sample Size Determination

**5.Week** : Hypothesis Testing

**6.Week** : Midterm

**7.Week** : Midterm

**8.Week** : Test of the Mean and Test of the Difference Between Two Population Means

**9.Week** : Test of the Difference Between Two and More Population Means

**10.Week** : Test of the Population Proportions and Test of the Difference Between Two

Population Proportion

**11.Week** : Analysis of Variance

**12.Week** : Chi-Square Test of Independence and Homogeneity Tests

**13.Week** : Chi-Square Goodness of Fit Tests and Contingency Tables

**14.Week** : Application of Population Parameters Estimation and Hypothesis Testing with

SPSS.

**Website:**<http://www.isletme.istanbul.edu.tr/ogrelem/sebnemer/english/courses/StatisticalAnalysis/statisticalAnalysis.html>

**Assesment Criteria:**

**Mid-Term Exam** : 40 %

**Final Exam** : 60 %

**Assoc.Prof. Çiğdem Arıcıgil ÇİLAN**