

**The Hashemite University**  
**College of Economics and Business Administration**  
**Department of Economics**  
**Spring 2010/2011**

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| Course Title: Analytical Statistics for Economics | Course Number: Econ 201323  |
| Instructor Name: Dr. Ahmad Khasawneh              | Email Address: <a href="mailto:ahmadk@hu.edu.jo">ahmadk@hu.edu.jo</a> |
| Office Room: Econ 337                             | Tele. No.: 05/3903333 ext. 4426                                       |
| Prerequisite: 101131                              | Office Hours: 10 -11 S, T, TH<br>or by appointment                    |

***Course Description:***

Statistical Analysis develops and applies the basic concepts and methods of statistical inference in the organization and presentation of economics and business data. Participants develop basic applied skills in the areas of elementary probability, measures of central tendency and variation, tests of statistical significance, sampling, and simple linear regression and correlation. The course stresses the role of statistics in interpreting business data and using the interpreted data in the decision making process.

***Required Textbook:***

Anderson, Sweeney and Williams, Statistics for Business and Economics, Ninth edition, Thomson, 2005.

***Course Requirements***

Attendance is required and is assumed and expected. Students missing classes should seriously reflect on their commitment to this course as missing classes are highly correlated with poor performance on the exams.

There will be two midterm exams, Participation & Homeworks and a final exam. The final exam will be comprehensive. Each midterm exam weighs 20% of the overall grade. The final exam weighs 50% of your overall grade. Participation & Homeworks contribute 10% to your grade.

At the end of each chapter I will assign you a set of practice problems, these are not for grading purposes they are just for practice to support your understanding of the topics.

***Online Materials:***

Visit my website at <http://staff.hu.edu.jo/ahmadkhasawneh> to download the Power point slides and some other materials that will be posted promptly.

***Missing Exam***

A missed exam may be made – up only and only if: 1) the reason for missing the exam is beyond the student’s control, or 2) the student receives prior consent from the instructor for missing the exam. In either case, the student must submit a written and signed statement concerning the reasons for missing the exam, with appropriate documentation, and petition for make – up. A missed exam will carry a zero grade if these conditions are not met.

### ***Academic Integrity***

Academic integrity is fundamental to the process of learning and evaluating academic performance. Academic dishonesty will not be tolerated. Academic dishonesty includes, but is not limited to, the following: cheating, plagiarism, tampering with academic records and examinations, falsifying identity, and being an accessory to acts of academic dishonesty. Should issues concerning academic integrity arise; the Hashemite University's Judicial Code will be strictly enforced. Cheating in exams will result in an automatic zero score.

### ***Course Outline:***

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| <b><i>Ch1: Data and Statistics</i></b>   |
| <b><i>Ch2: Descriptive Statistics: Tabular and Graphical Presentations</i></b>             |
| <b><i>Ch3: Descriptive Statistics: Numerical Measures</i></b>                              |
| <b><i>Ch4: Introduction to Probability</i></b>   |
| <b><i>Ch5: Discrete Probability Distributions</i></b>                                      |
| <b><i>Ch6: Continuous Probability Distributions</i></b>                                    |
| <b><i>Tuesday 22/03/2011: First Exam (Covers Chapters 1, 2, 3, 4, 5 and 6)</i></b>         |
| <b><i>Ch8: Interval Estimation</i></b>   |
| <b><i>Ch9: Hypothesis Testing</i></b>  |
| <b><i>Ch10: Statistical Inference about Means and Populations with Two Populations</i></b> |
| <b><i>Sunday 24/4/2011: Second Exam (Covers Chapters 8, 9 and 10)</i></b>                  |
| <b><i>Ch11: Inferences about Population Variances</i></b>                                  |
| <b><i>Ch14: Simple Linear Regression</i></b>   |
| <b><i>Ch15: Multiple Regression Analysis</i></b>   |
| <b><i>The Final Exam's date to be Assigned by the Registrar Office</i></b>                 |