

Business Statistics Course Specification

Course title: Business Statistics	Level: 2nd
Course code: 171-2801	Pre-requisites: 100 - 2804
Credit hours: 3	Contact hours: 3
Department: Administrative and Financial Programs	Program: Human Resource

Course content:

Statistical Analysis is the study of the collection, organization, examination, summarization, manipulation, interpretation and presentation of quantitative data. It deals with all aspects of data including the planning of data collection in terms of the design of surveys and experiments. There are two statistic methodologies: descriptive and inferential statistics.

The course may include the following topics: Introduction to statistical science, data collection, coding and its presentation, measures of location and dispersion, measures of relative dispersion and skewness and kurtosis, coefficient of correlation and simple regression, probability theory, random variables, special probability distributions, introduction to estimation theory.

Course objectives:

The main objective of this course is to familiarize students with the use of different statistical tools to describe data and make useful inferences from it. Students are expected to be able to select and apply appropriate statistical methods and analysis in the fields of Human Sciences.

At the end of this course, students will be able to:

- Recognize the appropriateness of different methods of data collection, particularly ways of sampling from a population.
- Summarize statistical measures for both grouped and ungrouped data.
- Define the equations of correlation and regression.
- Recognize the theory of probabilities and its applications.
- Estimate unknown population parameters from a random sample.
- Use statistical packages in different applications.

Methods of teaching

Electronic Education	Tutorial	Practical	Lecture
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Assessment task

Final Exam	Quiz's	Practical exams	Mid Exams
50	10	10	30

References:

- النجار ، عبدالله ، حنفي ، أسامة (2013) ، مبادئ الإحصاء للعلوم الإنسانية مع تطبيقات حاسوبية ، الرياض ، مؤسسة شبكة البيانات.
- طيبة ، احمد عبدالسميع (2008) ، مبادئ الإحصاء ، عمان دار البداية.
- هندي ، محمود وسلطان ، خلف (2004) ، مفاهيم لطرق التحليل الإحصائي ، الرياض مكتبة الرشيد.