



Course Specifications

| | |
|----------------------|------------------------------------|
| Course Title: | BUSINESS STATISTICS I |
| Course Code: | STAT1211 |
| Program: | Finance and Banking |
| Department: | Finance and Banking |
| College: | College of Business Administration |
| Institution: | Dar AlUloom University |

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A. Course Identification

| | | | |
|---|--|---|---|
| 1. Credit hours: | | | |
| 2. Course type | | | |
| a. | University <input type="checkbox"/> | College <input checked="" type="checkbox"/> | Department <input type="checkbox"/> Others <input type="checkbox"/> |
| b. | Required <input checked="" type="checkbox"/> | Elective <input type="checkbox"/> | |
| 3. Level/year at which this course is offered: Level 3 /Third Semester | | | |
| 4. Pre-requisites for this course (if any): MATH 1121 | | | |
| 5. Co-requisites for this course (if any): None | | | |

6. Mode of Instruction (mark all that apply)

| No | Mode of Instruction | Contact Hours | Percentage |
|----|-----------------------|---------------|------------|
| 1 | Traditional classroom | 45 | 100% |
| 2 | Blended | | |
| 3 | E-learning | | |
| 4 | Distance learning | | |
| 5 | Other | | |

7. Contact Hours (based on academic semester)

| No | Activity | Contact Hours |
|----|-------------------|---------------|
| 1 | Lecture | 35 |
| 2 | Laboratory/Studio | |
| 3 | Tutorial | 10 |
| 4 | Others (specify) | |
| | Total | 45 |

B. Course Objectives and Learning Outcomes

1. Course Description

Business Statistics I introduces students to data collection and statistical techniques to analyze data. Topics start with introduction descriptive statistics which covers data collection, sampling techniques, organization and tabulation of data, and graphical representation of data. The course also covers numerical measures such as measures of central tendencies and measures of dispersion. The course also presents basic probability, some important probability distributions, and time series.

2. Course Main Objective

- Provide basic knowledge about descriptive statistics.
- Understand data collection, organization, presentation, and data analysis.
- Understand numerical measures of central tendency and measures of variation.
- Understand basic concepts of probability and probability distribution.
- Provide basic knowledge about methods of using statistics in real word problems

3. Course Learning Outcomes

| CLOs | | Aligned PLOs |
|------|--|--------------|
| 1 | Knowledge and Understanding | |
| 1.1 | Understand Basic statistics and the use of statistics in real life. | K.1 |
| 1.2 | Understand the core knowledge in statistical techniques such as data collection, presentation, and statistics' measurements. | K.2 |
| 1.3 | Demonstrate knowledge of statistical methods in probability distributions and time series the ability to apply them in analysis to find solutions for financial problems in real life. | K.4 |
| 2 | Skills : | |
| 2.1 | Use statistical knowledge and calculations for both Problem solving and critical thinking | S.1 |
| 2.2 | Ability to identify and apply correct statistical methods to solve real-world problems | S.2 |
| 2.3 | Understand the basic statistical summarizing and reporting | S.5 |
| 3 | Values: | |
| 3.1 | Demonstrate numerical excellence in solving problems and in using of statistical data sources. | V.1 |
| 3.2 | Demonstrate self-management skills and adopt ethical practices in completing the assessments. | V.2 |
| 3.3 | Illustrate team skills to work in groups for assignments and projects using using statistical applications in Microsoft Excel. | V.3 |

C. Course Content

| No | List of Topics | Contact Hours |
|--------------|--|---------------|
| 1 | Introduction to Statistics | 3 |
| 2 | Variables and Types of Data, Data Collection and Sampling Techniques | 6 |
| 3 | Data Presentation: Organizing and Tabulation | 4 |
| 4 | Data Presentation: Frequency distribution graph, Histograms, and Other Types of Graphs | 6 |
| 5 | Numerical Measures: Measures of Central Tendency and Dispersion | 6 |
| 6 | Probability theory. | 6 |
| 7 | Probability Distributions (Discrete and Continuous) | 8 |
| 8 | Time series analysis | 6 |
| Total | | 45 |

D. Teaching and Assessment

1. Alignment of Course Learning Outcomes with Teaching Strategies and Assessment Methods

| Code | Course Learning Outcomes | Teaching Strategies | Assessment Methods |
|------------|--|-------------------------|--|
| 1.0 | Knowledge and Understanding | | |
| 1.1 | Understand Basic statistics and the use of statistics in real life. | Direct | Exams Quizzes Assignments |
| 1.2 | Understand the core knowledge in statistical techniques such as data collection, presentation, and statistics' measurements. | Direct | Exams Quizzes Exercises |
| 1.3 | Demonstrate knowledge of statistical methods in probability distributions and time series the ability to apply them in analysis to find solutions for financial problems in real life. | Direct | Exams Quizzes Assignments |
| 2.0 | Skills | | |
| 2.1 | Use statistical knowledge and calculations for both Problem solving and critical thinking | Direct Indirect | Exams Quizzes Assignments Project |
| 2.2 | Ability to identify and apply correct statistical methods to solve real-world problems | Direct Indirect | Exams Quizzes Assignments Project |
| 2.3 | Understand the basic statistical summarizing and reporting | Direct Indirect | Exams Quizzes Exercises |
| 3.0 | Values | | |
| 3.1 | Demonstrate numerical excellence in solving problems and in using of statistical data sources. | Interactive | Group Projects Assignments |
| 3.2 | Demonstrate self-management skills and adopt ethical practices in completing the assessments. | Interactive | project / case study |
| 3.3 | Illustrate team skills to work in groups for assignments and projects using using statistical applications in Microsoft Excel. | Interactive instruction | Assignments / project |

2. Assessment Tasks for Students

| # | Assessment task* | Week Due | Percentage of Total Assessment Score |
|---|-------------------------|------------|--------------------------------------|
| 1 | Quiz | continuous | 10% |
| 2 | Homeworks/Assessment | continuous | 10% |
| 3 | Project / Participation | continuous | 10% |
| 4 | Mid term | 9 | 30% |
| 5 | Final Exam | 16 | 40% |

*Assessment task (i.e., written test, oral test, oral presentation, group project, essay, etc.)

E. Student Academic Counseling and Support

Arrangements for availability of faculty and teaching staff for individual student consultations and academic advice :

1. Eight Office hours weekly can be booked through the students' SIS account.
2. Online discussion through the LMS forums and instant messaging.
3. Inetracur email available in the course syllabus.
4. Occasional mobile calls or SMS for urgent messages.
5. Online discussion , instant messaging and calls through the MS Teams.

F. Learning Resources and Facilities

1.Learning Resources

| | |
|---------------------------------------|--|
| Required Textbooks | Statistics for Business and Economics - 5th edition David Anderson; Dennis Sweeney; Thomas Williams; James Freeman; Eddie Shoesmith www.cengage.com |
| Essential References Materials | Research paper from Journals, Articles from Magazines will be provided |
| Electronic Materials | Study materials are available through online resources available from the publisher. www.cengage.com |
| Other Learning Materials | Microsoft Excel and SPSS |

2. Facilities Required

| Item | Resources |
|--|---------------------------------------|
| Accommodation (Classrooms, laboratories, demonstration rooms/labs, etc.) | Classroom and Laboratories. |
| Technology Resources (AV, data show, Smart Board, software, etc.) | Data show, smart boards and software. |
| Other Resources (Specify, e.g. if specific laboratory equipment is required, list requirements or attach a list) | Internet access point. |

G. Course Quality Evaluation

| Evaluation Areas/Issues | Evaluators | Evaluation Methods |
|---|-----------------------------|--------------------|
| End of semester Course Evaluation. | Students | Indirect |
| Effectiveness of teaching and assessment. | Peer reviewer | Indirect |
| Course learning outcomes assessment. | Faculty members | Direct |
| Quality of learning resources | Students Faculty members | Indirect |

Evaluation areas (e.g., Effectiveness of teaching and assessment, Extent of achievement of course learning outcomes, Quality of learning resources, etc.)

Evaluators (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify))

Assessment Methods (Direct, Indirect)

H. Specification Approval Data

| | |
|---------------------|--|
| Council / Committee | Finance and banking Department (Second semester 2021/2022) |
| Reference No. | Meeting number 3 |
| Date | March 17, 2022 |

