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**

Table of Contents

7. Course Identification

1. Credit hours:	**3 Hours**
2. Course type	
a.	University ☐ College ☑ Department ☐ Others ☐
b.	Required ☑ Elective ☐
3. Level/year at which this course is offered:	Second Year/Third Semester
4. Pre-requisites for this course (if any)**: MATH1121**	
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	**Correspondence**		
5	**Other**		

7. Actual Learning Hours (based on academic semester)

No	Activity	Learning Hours
Contact Hours		
1	**Lecture**	45
2	**Laboratory/Studio**	
3	**Tutorial**	
4	**Others** (specify)	
	Total	45
Other Learning Hours*		
1	**Study**	1
2	**Assignments**	1
3	**Library**	
4	**Projects/Research Essays/Theses**	2
5	**Others** (specify)	
	Total	4

* The length of time that a learner takes to complete learning activities that lead to achievement of course learning outcomes, such as study time, homework assignments, projects, preparing presentations, library times

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, time series, and index numbers.

2. Course Main Objectives

- 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:**	
1.1	Understand statistics and the use of statistics in real life.	K4
1.2	Recognize the core knowledge in statistical techniques such as data collection, presentation, and analysis.	K4
1.3	Outline the random variables and their probability distributions with applications in real life.	K4
2	**Skills:**	
2.1	Apply statistical methods and calculations to solve Problem and critical thinking	S2
2.2	Ability to identify and apply correct statistical methods to solve real-world problems	S2
2.3	Construct the basic statistical measures ,summarizing data and reporting.	S2
3	**Competence:**	
3.1	Develop team skills to work in groups for assignments and projects.	C1
3.2	Demonstrate self-management skills and adopt ethical practices in completing the assessments.	C2
3.3	Demonstrate numerical excellence in solving problems and in use of statistical data sources.	C4
3.4	Illustrate information technology skills in communication and in using statistical applications in Microsoft Excel.	C3,C5

C. Course Content

No	List of Topics	Contact Hours
1	Introduction to Statistics	6
2	Variables and Types of Data, Data Collection and Sampling Techniques	6
3	Data Presentation: Organizing and Tabulation	6
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.	7
7	Probability Distributions (Discrete and Continuous)	8
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**		
1.1	Understand statistics and the use of statistics in real life.	Direct Indirect	Quizzes Home works Midterm Exam Final Exam
1.2	Recognize the core knowledge in statistical techniques such as data collection, presentation, and analysis.		
1.3	Outline the random variables and their probability distributions with applications in real life.		
2.0	**Skills**		
2.1	Apply statistical methods and calculations to solve Problem and critical thinking	Direct Indirect	Quizzes Home works Midterm Exam Final Exam
2.2	Ability to identify and apply correct statistical methods to solve real-world problems		
2.3	Construct the basic statistical measures ,summarizing data and reporting.		
3.0	**Competence**		
3.1	Develop team skills to work in groups for assignments and projects.	Interactive	Projects Group work
3.2	Demonstrate self-management skills and adopt ethical practices in completing the assessments.		
3.3	Demonstrate numerical excellence in solving problems and in use of statistical data sources.		
3.4	Illustrate information technology skills in communication and in using statistical applications in Microsoft Excel.		

2. Assessment Tasks for Students

#	Assessment task*	Week Due	Percentage of Total Assessment Score
1	Quiz		10%
2	Homeworks/Assessments/Projects		20%
3	Mid term		30%
4	Final Exam		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. Instracuor email available in the course syllabus.
4. Occasional mobile calls or SMS for urgent messages.

F. Learning Resources and Facilities

1.Learning Resources

Required Textbooks	• Groebner, D., Shannon P., Fry, P. and Smith, K., (2011), "*Business Statistics: A Decision-Making Approach*" (8th edition). Prentice Hall. • David M. Levine, Kathryn A. Szabat, and David F. Stephan (2015), "Business Statistics: A First Course" (7th edition). Pearson Publishers.
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 https://www.mathsisfun.com/data/function-grapher.php
Other Learning Materials	Ms office and SPSS

2. Facilities Required

Item	Resources
Accommodation (Classrooms, laboratories, demonstration rooms/labs, etc.)	Classroom.
Technology Resources (AV, data show, Smart Board, software, etc.)	Data show + smart boards.
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

Evaluation Areas/Issues	Evaluators	Evaluation Methods
Effectiveness of teaching and assessment.	• Peer reviewer	• Indirect
Course learning outcomes assessment.	• Faculty members	• Direct
Quality of learning resources	• Students	• 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 Department (First semester 2018/2019)
Reference No.	Meeting number 6
Date	2018