



Course Specifications

Course Title:	Applied Statistics
Course Code:	513AAD-3
Program:	Interior Design
Department:	Interior Design
College:	Design and Architecture
Institution:	Jazan University

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A. Course Identification

1. Credit hours:			
2. Course type			
a.	University <input type="checkbox"/>	College <input type="checkbox"/>	Department <input checked="" type="checkbox"/>
b.	Required <input checked="" type="checkbox"/>	Elective <input type="checkbox"/>	Others <input type="checkbox"/>
3. Level/year at which this course is offered: Level 9 / 5 th Year.			
4. Pre-requisites for this course (if any): Nil			
5. Co-requisites for this course (if any): Nil			

6. Mode of Instruction (mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	3 hours	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 (Lecture)1/ 3 credit hour	45
2	Assignments 2 assessments (1 hour for each) 2 Mid Term Examination (2 hours) 1 Final Examination (Theoretical - 2hours)	5
3	Library	-
4	Projects/Research Essays/Theses	-
5	Others(specify)	-
	Total	50

*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

This course deals with the presentation of basic concepts and terminology in statistics; descriptive and analytical, and methods of presentation and representation of data and statistical processing and interpretation of the results in numbers.

2. Course Main Objective

This course aims at giving student knowledge in the following fields:

- Use of statistics to organize and represent data
- Graphical representation of statistical data
- Relationship between statistics and different field
- Introducing the concept of Probability
- Understand correlation and regression

3. Course Learning Outcomes

CLOs		Aligned PLOs
1	Knowledge:	
1.1	Recognize the fundamental principles and basic theories.	K1
1.2	Know and understand required notations, define the concepts, formulas of the basic statistical concepts.	K2
2	Skills :	
2.1	Understand, Explain and interpret a general knowledge of the basic concepts in Statistics theory.	S1
2.2	Write and analyze the problems.	S2
3	Competence:	
3.1	Appraise how to Use the computer skills and library to find out topics related to the concepts of Statistics.	C1
3.2	Illustrate how to Search the internet and using software programs to deal with problems in Statistics course and use BlackBoard system.	C2

C. Course Content

No	List of Topics	Contact Hours
1	Introduction to Statistics	6
2	Methods of Representing Data	9
3	Measures of Central Tendency	9
4	Introduction to Probability	6
5	Random Variables and Distributions	9
6	Correlation and Regression	6
Total		40

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		

Code	Course Learning Outcomes	Teaching Strategies	Assessment Methods
1.1	Recognize the fundamental principles and basic theories	Lectures	Assignments, Quizzes, Written Exam
1.2	Know and understand required notations, define the concepts, formulas of the basic statistical concepts	Lectures	Assignments, Quizzes, Written Exam
...			
2.0	Skills		
2.1	Understand, Explain and interpret a general knowledge of the basic concepts in Statistics theory.	Lectures	Assignments, Quizzes, Written Exam
2.2	Write and analyze the problems.	Lectures	Assignments, Quizzes, Written Exam
...			
3.0	Competence		
3.1	Appraise how to Use the computer skills and library to find out topics related to the concepts of Statistics.	Computer Lab. work, Power Point Presentations	Assignments
3.2	Illustrate how to Search the internet and using software programs to deal with problems in Statistics course and use BlackBoard system.	Computer Lab. work, Power Point Presentations	Assignments
...			

2. Assessment Tasks for Students

#	Assessment task*	Week Due	Percentage of Total Assessment Score
1	First Mid Exam	6 Weeks	20%
2	Second Mid Exam	12 Weeks	20%
3	Quizzes and Home works, Assignments	10, 14 Weeks	10%
4	Final Exam	15 Weeks	50%

*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 :

Each group of students is assigned to a member of staff who will be available at office hours for help and academic guidance on daily basis.

F. Learning Resources and Facilities

1. Learning Resources

Required Textbooks	1. Bulmer M.G <u>Principles of Statistics</u> Dover Publications (Dover Books on Mathematics) (1979). 2. <u>Robert S. Witte</u> & <u>John S. Witte</u>, <u>Statistics</u> Wiley Publications; 9 edition (2009).
Essential References Materials	Elementary Statistics: A Step By Step Approach 8th Edition by Bluman, 2011
Electronic Materials	www.oneonta.edu/stats/stat101/TEXT_Larson_and_Farber_Elementary_Statistics_Picturing_the_World_5th_ed.pdf
Other Learning Materials	None

2. Facilities Required

Item	Resources
Accommodation (Classrooms, laboratories, demonstration rooms/labs, etc.)	One classrooms with a group of 30 students
Technology Resources (AV, data show, Smart Board, software, etc.)	Projector or Interactive whiteboard,
Other Resources (Specify, e.g. if specific laboratory equipment is required, list requirements or attach a list)	None

G. Course Quality Evaluation

Evaluation Areas/Issues	Evaluators	Evaluation Methods	
		indirect method	direct method
Effectiveness of teaching and assessment	Students	- On line system course survey	
	Peer Reviewer or Program Leaders		Peer assessment Program Leaders
Quality of learning resources	Students	- On line system course survey	
	Peer Reviewer or Program Leaders		Peer assessment Program Leaders
Achievement of course learning outcomes	Students	Course LO survey	(theoretical and practical tests) by Test specification table.

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	
Reference No.	

Date	
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