هيئة تقويم التعليم والتدريب
Education & Training Evaluation Commission
اعتماد
NCAAA
2024
TP-153

Course Specification
(Bachelor)

Course Title:	**Selected Topics in Applied Statistics (2)**
Course Code:	**STA 1483**
Program:	**Bachelor of Science in Applied Statistics**
Department:	**Mathematics and Statistics**
College:	**Science**
Institution:	**Imam Mohammad Ibn Saud Islamic University**
Version:	**2024 – V1**
Last Revision Date:	**2 October 2024**

Table of Contents

A. General information about the course:

1. Course Identification

1. Credit hours: (.....)					
4 (2 Lectures, 1 Lab, 1 Tutorial)					
2. Course type					
A.	☐University	☐College	☒ Program	☐Track	☐Others
B.	☐Required		☒ Elective		
3. Level/year at which this course is offered: (.....)					
Level 7 / Year 4					
4. Course General Description:					
The selected topics course will be described before the course delivery and the approbation of department.					
5. Pre-requirements for this course (if any)**:**					
Depend on the offered course.					
6. Co-requisites for this course (if any)**:**					
None					
7. Course Main Objective(s):					

- **This course is designed to enable students to study different special topics of interest, which are carefully, selected from advanced Applied Statistics which may be changed from semester to semester**
- **The course covers selected topics in Applied Statistics suggested by a faculty member and approved by the chairman and the department council each time this course is offered.**
- **It aims the student to learn some topics which are not formally offered by the program.**

2. Teaching mode (mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	**60**	**100%**
2	E-learning		
3	Hybrid • Traditional classroom • E-learning		
4	Distance learning		

3. Contact Hours (based on the academic semester)

No	Activity	Contact Hours
1.	**Lectures**	**30**
2.	**Laboratory/Studio**	**15**
3.	**Field**	**0**
4.	**Tutorial**	**15**
5.	**Others (specify)**	**0**
Total		**60**

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Code of PLOs aligned with the program	Teaching Strategies	Assessment Methods
1.0	**Knowledge and understanding**			
1.1	**Specific to each course of study**	**K1, K2, K3**	**Lectures, problem solving, Classroom discussions**	**Direct:** Regular Exams, Assignments, Practical exam
2.0	**Skills**			
2.1	**To develop techniques of problem solving.**	**S1, S2**	**Self-study Real-life problems**	**Direct:** Participations Short Quizzes
2.2	**To communicate statistical theories clearly and precisely both orally and in writing.**	**S4**	**Real-life problems**	**Direct:** Short Quizzes
2.3	**To use the appropriate statistical software to represent and analyze the data.**	**S5**	**Self-study**	**Direct:** Participations
2.4	**To carry out calculations orally and mentally.**	**S3**	**Self-study Real-life problems**	**Direct:** Regular Exams Participation Short Quizzes
3.0	**Values, autonomy, and responsibility**			
3.1	**To work individually.**	**V1, V2**	**Personal questions**	**Direct:** Participation
3.2	**To work in groups.**	**V1, V3**	**Teamwork and class discussions.**	**Direct:** Homework Mini projects

C. Course Content

No	List of Topics	Contact Hours

1.	Topics depend on the offered course	
Total		60

D. Students Assessment Activities

No	Assessment Activities *	Assessment timing (in week no)	Percentage of Total Assessment Score
1.	HomeWorks, Quizzes, Mini projects	During the term	10%
2.	First Midterm	Week 5-6	25%
3.	Second Midterm	Week 10-11	25%
4.	Final Exam	Week 16-17	40%

*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.).

E. Learning Resources and Facilities

1. References and Learning Resources

Essential References	Course dependent
Supportive References	Course dependent
Electronic Materials	Course Website: Learning Management Systems (Blackboard)
Other Learning Materials	None

2. Required Facilities and equipment

Items	Resources
facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	▪ Each class room should be equipped with a whiteboard and a projector. Laboratories should be equipped with computers and an internet connection.
Technology equipment (projector, smart board, software)	The rooms should be equipped with data show and Smart Board. All computers should be equipped with the following software: ▪ Microsoft Excel ▪ IBM SPSS ▪ R-Project ▪ MATLAB
Other equipment (depending on the nature of the specialty)	See the attached file

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching	Student and teaching staff	Surveys and Questionnaires
Effectiveness of Students assessment	Course Coordinator	Peer Reviews
Quality of learning resources	Students and teaching staff	Classroom Observations
The extent to which CLOs have been achieved	Student Representatives	Student Performance Evaluations (exams, projects) CLOs Excel sheet.
Other	None	

Assessors (Students, Faculty, Program Leaders, Peer Reviewers, Others (specify)

Assessment Methods (Direct, Indirect)

G. Specification Approval

COUNCIL /COMMITTEE	MATHEMATICS AND STATISTICS DEPARTMENT COUNCIL
REFERENCE NO.	8/1446
DATE	(08/10/2024) 05/04/1446