هيئة تقويم التعليم والتدريب
Education & Training Evaluation Commission

Course Specification

— (Bachelor)

Course Title: Graduate Project 1	
Course Code: **ASDM 421**	
Program: **Applied Statistics & Data Management**	
Department: **Mathematics**	
College: **College of Science**	
Institution: **Majmaah University, Saudi Arabia**	
Version: **2023**	
Last Revision Date: **September 28, 2023**	

Table of Contents

A. General information about the course:

1. Course Identification

1. Credit hours: (.........)

2. Course type

A.	☐University	☐College	☒Department	☐Track	Others
B.	☒Required			☐Elective	

3. Level/year at which this course is offered: (7/4)

4. Course general Description:

Design Methodology, Synthesis, Creativity and Conceptualization- Defining the problems-Extraction of key words from a given subject-Bibliographical research according to the determined key words-Enrichment of the list of key words in view of the bibliography established-Collect of the data and information related to the new list of key words-Selection of the interesting bibliography that will be used in the final proposal-Study of the selected bibliography-Resume of the study-Confection of a proposal-Writing proposal for a research project.

5. Pre-requirements for this course (if any):

N/A

6. Co-requisites for this course (if any):

Pass for 105 units

7. Course Main Objective(s):

1.To prepare the students with writing scientific research skills
2. To prepare the students with reading scientific research skills
3. To prepare students with writing literature review skills
4. Defining a methodology to study a given problem
5. Writing proposal for a research project

2. Teaching mode (mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	15	75
2	E-learning	05	25
3	Hybrid • Traditional classroom • E-learning		
4	Distance learning		

3. Contact Hours (based on the academic semester)

No	Activity	Contact Hours
1.	**Lectures**	20
2.	**Laboratory/Studio**	0
3.	**Field**	0
4.	**Tutorial**	0
5.	**Others (specify)**	0
Total		20

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

Code	Course Learning Outcomes	Code of CLOs aligned with program	Teaching Strategies	Assessment Methods
1.0	**Knowledge and understanding**			
1.1	Ability to apply knowledge of mathematics, statistics and data science appropriate to the discipline.	**K1**		
1.2				
...				
2.0	**Skills**			
2.1	Ability to analyse a problem, and identify and define the computing requirements appropriate to its solution.	**S1**		
2.2				
...				
3.0	**Values, autonomy, and responsibility**			
3.1	Recognition of the need for, and an ability	**V1**		

Code	Course Learning Outcomes	Code of CLOs aligned with program	Teaching Strategies	Assessment Methods
	to engage continuing professional development.			
3.2				
...				

C. Course Content

No	List of Topics	Contact Hours
1.	Choose problem	04
2.	Agile prototype development and make a proposer of the project	16

Total		**20**

D. Students Assessment Activities

No	Assessment Activities *	Assessment timing (in week no)	Percentage of Total Assessment Score
1.	Tasks through semester (searching, assignments, writing proposal,....etc)	Weekly	60%
2.	Final Presentation	End of the term	40%
3.			
...			

*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	
Supportive References	
Electronic Materials	
Other Learning Materials	Writing Research Papers: A Complete Guide, James D. Lester Jr, James D. Lester (Deceased), Pearson 2011

2. Required Facilities and equipment

Items	Resources
facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	Classroom Laboratory
Technology equipment (projector, smart board, software)	Smart Board
Other equipment (depending on the nature of the specialty)	

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching	Effectiveness of teaching and assessment	Students/ internal committee
Effectiveness of Students assessment	Extent of achievement of course learning outcomes	Staff members (Peer Reviewer)
Quality of learning resources	Quality of learning resources	Staff members
The extent to which CLOs have been achieved		
Other		

Assessors (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify)
Assessment Methods (Direct, Indirect)

G. Specification Approval

COUNCIL /COMMITTEE	
REFERENCE NO.	
DATE	SEPTEMBER 28, 2023