Course Specification

(Postgraduate Programs)

Course Title:	Topics in Pure Mathematics (2)
Course Code:	MAT 7283
Program:	Doctor of Philosophy in Mathematics
Department:	Mathematics and Statistics
College:	Science
Institution:	Imam Mohammad Ibn Saud Islamic University
Version: :	2024 – V1
Last Revision Date:	None

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A. General information about the course:

1. Course Identification:

1. Credit hours:					
4 (4 Lectures, 0 Lab, 0 Tutorial)					
2. Course type					
A.	☐ University	☐ College	☒ Program	☐ Track	☐ Others
B.	☐Required		☒ Elective		
Level/Year at which this course is offered: Level 3 / Year 2					
4. Course General Description:					
Specific to each course of study.					
5. Pre-requirements for this course (if any):					
None.					
6. Pre-requirements 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 pure mathematics topics. The course covers selected topics in mathematics suggested by the student's supervisor and approved by the chairman and the department council each time this course is offered. The main objective is to learn topics those are not formally offered by the program and receive appropriate academic credit.					

2. Teaching Mode: (mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	60	100%
2	E-learning	0	0%
3	Hybrid • Traditional classroom • E-learning	0	0%
4	Distance learning	0	0%

3. Contact Hours: (based on the academic semester)

No	Activity	Contact Hours
1.	**Lectures**	60
2.	**Laboratory/Studio**	0

3.	**Field**	**0**
4.	**Tutorial**	**0**
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	**Course dependent.**	**K1, K2**	**4 lecture hours\week**	**Direct: Regular Exams**
2.0	**Skills**			
2.1	**Course dependent**	**S1, S2, S3, S4**	**Self-study**	**Direct:** **• Participations** **Short Quizzes**
3.0	**Values, autonomy, and responsibility**			
3.1	**Course dependent**	**V1, V2, V3**	**Personal questions**	**Direct: Participation**

C. Course Content:

No	List of Topics	Contact Hours
	Specific to each course of study.	**60**
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 semester**	**30%**
2.	**Midterm**	**Week 9-10**	**30%**
3.	**Final Exam**	**Week 15-16**	**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 dependent
Other Learning Materials	Course dependent

2. Educational and Research Facilities and Equipment Required:

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.
Other equipment (Depending on the nature of the specialty)	None

F. Assessment of Course Quality:

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching	Students	During the semester and at the end of the course each student will complete two evaluation forms.
Effectiveness of students' assessment	Instructor	At the end of each semester the course instructor should complete the course report, including a summary of student questionnaire responses appraising progress and identifying changes that need to be made if necessary.
Quality of learning resources	Students	During the semester and at the end of the course each student will complete two evaluation forms.
The extent to which CLOs have been achieved	Instructor	At the end of each semester the course instructor should complete the course report, including a summary of student questionnaire responses appraising progress and identifying changes that need to be made if necessary.
Other	None	

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

Assessment Methods (Direct, Indirect)

G. Specification Approval Data:

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