



Course Specifications

Institution:	Majmaah University / College of Education - Zulfi
Academic Department :	Mathematics
Program :	Mathematics Undergraduate Program
Course :	Research Project – Math 424
Course Coordinator :	Dr. Huda Ibrahim Elmourad
Program Coordinator :	Dr. Omima Elnour Saeed (Head of the Department)
Course Specification Approved Date :	22 / 2 / 1438 H



A. Course Identification and General Information:

1- Course title:	Research Project.	Course Code:	Math 424
2- Credit hours:	2 hours weekly (2 Theoretical + 0 Training)		
3- Program(s) in which the course is offered:	Math program		
4- Course Language:	Arabic		
5- Name of faculty member responsible for the course:	Dr. Huda Elmourad		
6- Level/year at which this course is offered:	Seventh / Eighth Level		
7- Pre-requisites for this course (if any):	<ul style="list-style-type: none"> Complete 108 credit hours 		
8- Co-requisites for this course (if any):	<ul style="list-style-type: none"> There is no 		
9- Location if not on main campus:	<ul style="list-style-type: none"> Not applicable 		
10- Mode of Instruction (mark all that apply):			
A- Traditional classroom	<input checked="" type="checkbox"/>	What percentage?	60 %
B- Blended (traditional and online)	<input type="checkbox"/>	What percentage?	... %
D- e-learning	<input type="checkbox"/>	What percentage?	... %
E- Correspondence	<input type="checkbox"/>	What percentage?	... %
F- Other	<input checked="" type="checkbox"/>	What percentage?	40 %

B. Objectives:

What is the main purpose for this course?
 Students have the following skills:

- 1- Write a scientific proposal correctly.
- 2- Discussion, analysis, persuasion and flexible to accept the criticism.
- 3- Using mathematical and statistical programs to write scientific researches if needed.
- 4- Write references, appendices and abstracts correctly.
- 5- Writing, ordering and presenting the research correctly.

Briefly describe any plans for developing and improving the course that are being implemented:

- 1- Directing students to search in the Internet
- 2- Directing students to do researches for some courses they learn.

C. Course Description:

1. Topics to be Covered:





List of Topics	No. of Weeks	Contact Hours
Determined according to the students' attended suggestions and Research Project Committee acceptance	15	30

2. Course components (total contact hours and credits per semester):

	Lecture	Tutorial	Laboratory	Practical	Other	Total
Contact Hours	30 h	.....	.....	.....	.....	30 h
Credit	30 h	.....	.....	.....	.....	30 h

3. Additional private study/learning hours expected for students per week:

Home works, learning papers, self-learning and others.	6 hours
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4. Course Learning Outcomes in NQF Domains of Learning and Alignment with Assessment Methods and Teaching Strategy:

	NQF Learning Domains And Course Learning Outcomes	Course Teaching Strategies	Course Assessment Methods
1.0	Knowledge		
1.1	Discussion, Analysis, persuasion and flexible to accept the criticism	- Academic lectures	- Work in the research parts.
1.2	Knowledge of writing references, appendices and abstracts correctly.	- Survey.	- Survey.
1.3	Training students to dialogue, discussion and scientific presentation of the research.	- Discussion and dialogue.	- Provide the research and discuss it.
1.4	Knowledge of writing, ordering and presenting the research correctly.		
2.0	Cognitive Skills		
2.1	Write a scientific proposal from the supported programs of writing researches correctly.	- Collaborative learning.	- Evaluation of the proposal and the final research.
2.2	Training the student to use mathematical programs if needed.	- Survey. - Search.	
3.0	Interpersonal Skills & Responsibility		
3.1	Contact her class mates and work as a research team.	- Search.	- Evaluation of the
3.2	Objective criticism.	- Discussion and	





	NQF Learning Domains And Course Learning Outcomes	Course Teaching Strategies	Course Assessment Methods
		dialogue	collaborative work. - Evaluation of discussions
4.0	Communication, Information Technology, Numerical		
4.1	Induce mathematical equations correctly.	- Brainstorming. - Training in Lectures.	- Evaluation of equations. - Evaluation of Researches.
4.2	Select the correct scientific data from the internet		
5.0	Psychomotor		
5.1	Confidence and feel of Proud.	- Lecture	- Evaluation of the presentation.

5. Schedule of Assessment Tasks for Students during the semester:

	Assessment task	Week Due	Proportion of Total Assessment
1	Follow up the supervisor and a brief summary of what has been accomplished during the term.	During of the semester	30%
2	A copy of the final report of the research.	End of the semester	40%
3	Examiners.		30%

D. Student Academic Counseling and Support:

4 lectures (office hours) weekly.

E. Learning Resources:

1. List Required Textbooks:

- Varies due to the specialization chosen by the student or the Research Project Committee.

2. List Essential References Materials:

- Varies due to the specialization chosen by the student or the Research Project Committee.

3. List Recommended Textbooks and Reference Material:

- Due to the supervisor

4. List Electronic Materials:

- <http://maktabat.mu.edu.sa>

5. Other learning material:

- The Department library





F. Facilities Required:

1. Accommodation <ul style="list-style-type: none">Hall (5 m x 7 m) , 53 Chairs.
2. Computing resources: <ul style="list-style-type: none">The college library.
3. Other resources: <ul style="list-style-type: none">No need.

G. Course Evaluation and Improvement Processes:

1. Strategies for Obtaining Student Feedback on Effectiveness of Teaching: <ul style="list-style-type: none">Dialogue and discussions during lectures.Course evaluation questionnaire.Students' acceptance questionnaire about teaching, learning and assessment techniques.
2. Other Strategies for Evaluation of Teaching by the Program/Department Instructor: <ul style="list-style-type: none">Course report module.Annual reports sufficiently prepared by the head of department.
3 Processes for Improvement of Teaching : <ul style="list-style-type: none">Application of modern technologies in the teaching.Activate discussions and scientific research team work.
4. Processes for Verifying Standards of Student Achievement <ul style="list-style-type: none">Presentation of the research by the student.
5. Describe the planning arrangements for periodically reviewing course effectiveness and planning for improvement: <ul style="list-style-type: none">The periodic meeting of the department at the end of the term to identify strengths to be reinforced and weaknesses to be addressed.Viewing and knowledge of all new in scientific research field.

Course Specification Approved

Department Official Meeting No (2) Date **22/2/1438 H**

Course Coordinator

Name : Dr. Huda Ibrahim Elmourad
Signature : *Huda*
Date : 20 / 2 / 1438 H

Department Head / Coordinator

Name : Dr. Omima Elnour Saeed
Signature : *Omima*
Date : 20 / 2 / 1430 H

