Course Specification
(Bachelor)

Course Title:	Field Training
Course Code:	PHYS 0406
Program	Physics
Department:	Physics
College:	Science
Institution:	Majmaah University
Version:	1
Last Revision Date:	30/12/2024

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A. Field Experience Details:

1. Credit hours: (3.....).		
2. Level/year at which Field Experience is offered: (.....).		
Level 8/Year 4		
3. Time allocated for Field Experience activities		
(16 Weeks)	(Days)	(Hours)
4. Corequisite (or prerequisites if any) to join Field Experience		
PHYS 0405		
5. Mode of delivery		
☒ In-person/onsite	☐hybrid (onsite/online)	☐Online

B. Field Experience Course Learning Outcomes (CLOs), Training Activities and Assessment Methods

Code	Learning Outcomes	Aligned PLO Code	Training Activities	Assessment Methods	Assessment Responsibility
1.0	**Knowledge and understanding**				
1.1	Apply the knowledge and theoretical methods in practical real-world problems	K1	– Training student in a company. – Weakly discussions with the trainer. – Weakly discussions with the supervisor. – Practice on writing reports	- Evaluation of the trainer. - Supervisor evaluation. - Evaluation of the student final report - Oral Presentation.	
1.2	Identify the applications of academic concepts related to Physics, renewable energy and environment in real situations	K2			
1.3	Explore the work environment and its complexity before graduation	K3			

Code	Learning Outcomes	Aligned PLO Code	Training Activities	Assessment Methods	Assessment Responsibility
2.0	**Skills**				
2.1	Recommend practical solutions related to Physics, renewable energy and environment in real situations	S1	– Training student in a company. – Weakly discussions with the trainer. – Weakly discussions with the supervisor. – Practice on writing reports	– Evaluation of the trainer. – Supervisor evaluation. – Evaluation of the student final report - Oral Presentation	
2.2	Take responsibility, adhere to deadlines and respect regulations and laws	S4			
2.3	Write a technical report	S3			
3.0	**Values, autonomy, and responsibility**				
3.1	Understand the enterprise environment, needs, and constraints.	V1	– Training student in a company. – Weakly discussions with the trainer. – Weakly discussions with the supervisor. – Practice on writing reports	– Evaluation of the trainer. – Supervisor evaluation. – Evaluation of the student final report – Final presentation	
3.2	Identify requirements for an efficient solution of a real-world problem while taking different technical constraints into account	V2			
3.3	Work in groups and deal well with others	V3			

*Assessment methods (i.e., practical test, field report, oral test, presentation, group project, essay, etc.).

C. Field Experience Administration

1. Field Experience Flowchart for Responsibility

Including units, departments, and committees responsible for field experience identifying by the interrelations.

2. Distribution of Responsibilities for Field Experience Activities

Activities	Department or College	Teaching Staff	Student	Training Organization	Field Supervisor
Selection of a field experience site	✓				
Selection of supervisory staff	✓				
Provision of the required equipment				✓	✓
Provision of learning resources		✓			✓
Ensuring the safety of the site				✓	
Commuting to and from the field experience site			✓		
Provision of support and guidance					✓
Implementation of training activities (duties, reports, projects ...)			✓		
Follow up on student training activities		✓			✓
Monitoring attendance and leave			✓		
Assessment of learning outcomes		✓			
Evaluating the quality of field experience		✓			✓
Others (specify)					

3. Field Experience Location Requirements

Suggested Field Experience Locations	General Requirements*	Special Requirements**
Building site		
Maintenance of energy storage devices		
Design and installation of a hydrogen-powered system		
Maintenance of PV Device Components		
Implementation of photovoltaic projects for industrial, agricultural and residential sectors		

*E.g. provides information technology, equipment, laboratories, halls, housing, learning sources, clinics … etc.

** E.g. Criteria of the institution offering the training or those related to the specialization, such as safety standards, dealing with patients in medical specialties … etc.

4. Decision-Making Procedures for Identifying Appropriate Locations for Field Experience

Contact the external institution
Acceptance letter

Definition of the aims of the training and the work to be executed
Discussions with the department

5. Safety and Risk Management

Potential Risks	Safety Actions	Risk Management Procedures
Risks in work envirments	Read the Rules	Follow the Rules.
Electric shock	use insulated materials when dealing with electresity	Proper training: Employees must be properly trained on how to perform their jobs safely and how to use equipment and tools correctly.
Contamination	Washing the contaminaited areas	Proper clothing can reduce workplace injuries and help you stay comfortable at the same time.

D. Training Quality Evaluation

Evaluation Areas/Issues	Evaluators	Evaluation Methods
Evaluation of the trainer	Trainer	Direct
Evaluation of the supervisor	Supervisor	Direct
Final Report	Committee	Direct
Final Presentation	Committee	Direct

Evaluation areas (e.g., Effectiveness of Training and assessment, Extent of achievement of course learning outcomes, Quality of learning resources, etc.)

Evaluators (Students, Supervisory Staff, Program Leaders, Peer Reviewer, Others (specify)

Assessment Methods (Direct, Indirect)

E. Specification Approval Data

Council /Committee	**PHYSICS DEPARTMENT COUNCIL**
Reference No.	**16**
Date	**30/12/2024**