

Zarqa University
Faculty of Science



Document code	Program Intended Learning Outcomes: (PLOs)	Approval date
SP-2024-1		01-2024

Program	Bachelor of Physics	Department	Physics
----------------	----------------------------	-------------------	----------------

Knowledge	
P-K1	Acquiring knowledge of fundamental physics and related scientific concepts involves a systematic exploration of the foundational principles that govern the natural world.
P-K2	Learn the fundamentals of classical mechanics, electricity and magnetism, quantum mechanics, and thermal physics.
P-K3	Study up on advancements in the field of physics applications.
P-K4	Acquiring the mathematical concepts and terminologies deeply related to physics
Skills	
P-S1	Analyze, evaluate and interpret scientific data
P-S2	Employing and linking different concepts and theories of physics to explain natural phenomena related to these concepts
P-S3	Applying mathematical and experimental tools in physics
P-S4	Design, create and develop solutions to physics problems
Competences	
P-C1	Work effectively within work teams
P-C2	Logical thinking and reasoning (Identifying Relevant Information, Formulating a Clear Strategy, Applying Fundamental Principles, Critical Evaluation of Solutions, Adapting Strategies, Drawing Inferences, Communicating Clearly)
P-C3	Having communication skills (Clarity, Adaptability, Visualization, Listening, Writing Skills)
P-C4	Perform professional responsibility (Integrity, Confidentiality) and ethical responsibility (Informed Consent) and safety instructions(Laboratory Safety, Equipment Safety, Risk Assessment, Documentation, Clear Reporting, Collaboration, Professional Development, Community Engagement, Outreach)