



Third: The learning outcomes of Physics B. Sc. Physics

Domain of Program learning outcomes (PLO'S)	Code	Physics Program Learning Outcomes (PLO'S)
		Graduates of the B. Sc. Physics program will be able to:
Knowledge & Understanding	K1	Explore fundamental concepts, facts and principles, and applications of physics.
	K2	Demonstrate mathematical theories and commonly used means in Physics.
	K3	Critique theories, concepts and applications of modern physics
	K4	Outline processes, materials, techniques, practices, conventions and/or terminology in physics field in various complex contexts
Skills	S1	Solve broadly defined scientific problems by applying knowledge of mathematics and science to areas relevant to physics.
	S2	Formulate and/or design a system, process, procedure or program to meet desired needs independently
	S3	Analyze practical experiments and hypotheses to solve problems in Physics.
Values	V1	Sustain effectively Islamic values, ethical and professional responsibilities and the impact of scientific solutions in global, economic, environmental, and societal contexts
	V2	Collaborate effectively within teams via establishing goals, planning tasks, meeting deadlines, and analyzing risk and uncertainty
	V3	learn self-sufficiently and continuously to improve social and professional leadership value