

Alignment of Programme Learning Outcomes

for Master of Science in the field of Physics
(proposed implementation date for the new programme: September 1, 2020)

Statement of Programme Learning Outcomes (PLOs) aligned with or mapped against University Educational Aims (UEAs)

UEAs	PLOs	Centrality	
		Core	Auxiliary
Critical intellectual enquiry and acquiring up-to-date knowledge and research skills in a discipline/profession	To develop a solid and systematic understanding of postgraduate level physics with emphasis on its computation and application aspects, as well as preparing students for in-depth understanding of physical and related phenomena.	X	
Application of knowledge and research skills to practice or theoretical exploration, demonstrating originality and creativity	To equip the students with first-hand experience in experimental techniques and numerical techniques crucial for further scientific research and industry applications.	X	
Tackling novel situations and ill-defined problems	To distil relevant physical processes in complex problems and understand the underlying physical mechanism.	X	
Collaboration and communication of disciplinary knowledge to specialists and the general public	To collaborate with and communicate results of physics research to a variety of audiences.	X	
Awareness of and adherence to personal and professional ethics	To be able to conduct scientific research according to proper scientific ethics and integrity.	X	
Enhancement of leadership and advocacy skills in a profession	To be able to deliver sound professional opinion on physics related subject.		X