

Medical Physics Master Plan

Level	Course Code	Course Title	Required or Elective	Prerequisite Courses	Credit Hours
Level 1	403660-3	Medical Physics Instrumentations	Required		3
	403661-3	Advanced Radiotherapy Physics	Required		3
	403663-3	Advanced Medical Imaging (1)			3
		Elective Course			3
	403615-3	Advanced Programming	Elective		
	403666-3	Nanotechnology for BioMedical Applications	Elective		
Total credits hours for level 1					12 hrs
Level 2	403667-3	Medical Radiation Protection	Required		3
	403668-3	Brachytherapy Physics	Required		3
	403669-3	Advanced Nuclear Medicine	Required		3
		Elective Course			3
	403671-3	Advanced Medical Imaging (2)	Elective		
	403606-3	Computational physics	Elective		
	403692-3	Image anatomy	Elective		
Total credits hours for level 2					12 hrs
Level 3	403673-3	Radiation Measurement in Diagnostic Radiology	Required		3
	403662-3	Radiobiology	Required		3
	403664-3	Cell Biophysics	Required		3
	403675-3	Research Project	Continue ..	Part (1)	3
Total credits hours for level 3					12 hrs
Level 4	403676-3	Dosimetry in radiotherapy	Required		3
	403674-2	Special topics			2
	403670-3	Computational Methods in Medical Physics	Required		3
	403675-3	Research Project	Continue ..	Part (2)	3
Total credits hours for level 4					11 hrs
Total credits hours for MSc of Medical Physics					47 hrs