

Study plan for M.SC Degree Engineering Projects Management (EMP) program

(Thesis Track)

1. Thesis Track

Compulsory Requirements: (15 Credit Hours)

Course No.	Course Title	Cr. Hr.	Prerequisite
04037101	Advance Engineering project management	3	--
04037102	Operations research	3	--
04037103	Applied Statistical research	3	--
04037104	Research Methodology	3	--
04037105	Advance Engineering Economy	3	--
	Total	15	

Elective: 9 Credit Hours from the following courses.

Course No.	Course Title	Cr. Hr.	Prerequisite
04037201	Management Information System	3	--
04037202	Engineering Project Resource management	3	--
04037203	Quality Management	3	--
04037204	Construction Methods and Technology	3	--
04037205	Energy Management	3	--
04037206	Industrial Operation Management	3	--
04037207	Selected Topics	3	--
04037111	Computers Network Management	3	--
04037112	Traffic and highway system management	3	--
04037113	Simulations and Modeling in	3	--

	Engineering		
04037114	Renewable Energy Technology	3	--
04037115	Contract and Legislation	3	--
04037116	Risk management	3	--
04037211	Maintenance management	3	--
04037212	Building information modeling	3	--
04037213	Managerial Accounting	3	--

Thesis: 9 Credit Hours

Course No.	Course Title	Cr. Hr.	Prerequisite
04037109	Thesis (1)	3	
04037209	Thesis (2)	3	
04037219	Thesis (3)	3	
Total		9	

Study plan for M.SC Degree Engineering Projects Management (EMP) program

(Non-Thesis Track)

2. Non-Thesis Track

Compulsory Requirements: (24 Credit Hours)

Course No.	Course Title	Cr. Hr.	Prerequisite
04037101	Advance Engineering project management	3	--
04037201	Management Information System	3	--
04037102	Operations research	3	--
04037103	Applied Statistical research	3	--
04037203	Quality Management	3	--
04037104	Research Methodology	3	--
04037112	Traffic and highway system management	3	--
04037105	Advance Engineering Economy	3	--
	Total	24	

Elective: 9 Credit Hours from the following courses.

Course No.	Course Title	Cr. Hr.	Prerequisite
04037202	Engineering Project Resource management	3	--
04037204	Construction Methods and Technology	3	--
04037205	Energy Management	3	--

04037206	Industrial Operation Management	3	--
04037207	Selected Topics	3	--
04037111	Computers Network Management	3	--
04037113	Simulations and Modeling in Engineering	3	--
04037114	Renewable Energy Technology	3	--
04037115	Contract and Legislation	3	--
04037116	Risk management	3	--
04037211	Maintenance management	3	--
04037212	Building information modeling	3	--
04037213	Managerial Accounting	3	--

Comprehensive Exam: after passing 33 hours