# 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	1
04037116	Risk management	3	1
04037211	Maintenance management	3	
04037212	Building in formation modeling	3	1
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 in formation modeling	3	
04037213	Managerial Accounting	3	

Comprehensive Exam: after passing 33 hours