

## الخطة الدراسية لبرنامج (ماجستير العلوم في الإدارة الهندسية)

### MSc. in Engineering Management

#### Thesis Track : (مسار الرسائل)

Level	Course Code	Course Title	Required or Elective	Pre-Requisite Courses	Credit Hours
Level 1	MEM60102	Management for Engineers	Required	-	3
	MEM60103	Advanced Engineering economy	Required	-	3
Level 2	MEM60205	Applied Engineering Optimization	Required	-	3
	-	Elective Course 1	Elective	-	3
Level 3	MEM60101	Statistical analysis of engineers	Required	-	2
	MEM60306	Engineering Project Management	Required	MEM60102	3
Level 4	MEM60307	Project Cost Estimation	Required	-	3
	MEM60104	Research methods and M. Sc. Seminar	Required	-	1
Level 5	-	Elective Course 2	Elective	-	3
	-	Elective Course 3	Elective	-	3
Level 6	MEM6999	Thesis	Required	After level 4 with 21 earned hours	6
<b>Total hours</b>					<b>33</b>



## تابع الخطة الدراسية لبرنامج (ماجستير العلوم في الإدارة الهندسية)

### Project Track : (مسار المشروع البحثي)

Level	Course Code	Course Title	Required or Elective	Pre-Requisite Courses	Credit Hours
Level 1	MEM60102	Management for Engineers	Required	-	3
	MEM60103	Advanced Engineering economy	Required	-	3
Level 2	MEM60205	Applied Engineering Optimization	Required	-	3
	-	Elective Course 1	Elective	-	3
Level 3	MEM60101	Statistical analysis of engineers	Required	-	2
	MEM60306	Engineering Project Management	Required	MEM60102	3
Level 4	MEM60307	Project Cost Estimation	Required	-	3
	-	Elective Course 2	Elective	-	3
	MEM60104	Research methods and M. Sc. Seminar	Required	-	1
Level 5	MEM60408	Project Planning and Control	Required	-	3
	MEM60409	Risk Management and Innovation	Required	-	3
Level 6	MEM6555	Research project	Required	After level 4 with 21 earned hours	3
	-	Elective Course 3	Elective	-	3
<b>Total hours</b>					<b>36</b>



## Elective Course: (المقررات الاختيارية)

No.	Course Code	Course Name	Perquisite(s)	Credit hours
1	MEM60212	Safety Engineering Management	-	3
2	MEM60213	Engineering Design, Methodology & Applications	-	3
3	MEM60214	Product Innovation and Design Management	-	3
4	MEM60215	Artificial Intelligence: Reasoning and Decision-making	-	3
5	MEM60316	Decision Support System	-	3
٦	MEM60317	Principal of Supply Chain Management	-	3
7	MEM60318	Infrastructure Project Finance and Management	-	3
8	MEM60319	Strategic Management	-	3

