

Mechanical Engineering Department spring 2018 – 2019

لائحة Mechanical Power 2016/2017

Mechanical Engineering (Power) - Second Year – Semester 4

Course code	Course title	Credit hours	Pre-requisites
EB 104	Linear Algebra	3(2-2-1)	EB 102
EB 204	Engineering Mathematics (4)	3(2-2-1)	EB 103
EM 212	Mechanics of Machinery	3(2-1-1)	EB 113
EM 210	Computer Aided Mechanical Drawing	2(1-1-2)	EM 203
EE 208!!	Fundamentals of Electrical Engineering	3(2-2-1)	EB 102, EB 122
EM 271	Manufacturing Processes (1)	3(2-1-2)	EM 170
UGE 03	Arabic language	2(2-0-0)	None
Total semester credit hours		19	

Mechanical Engineering (Power) - Third Year – Semester 6

Course code	Course title	Credit hours	Pre-requisites
EB 209	Complex Variables	3(3-1-0)	EB 204
EM 215	Mechanical Design (2)	3(2-2-0)	EM 211
EM 221	Automatic Control	3(2-2-1)	EM 214
EM 231	Heat Transfer (1)	3(2-1-1)	EM 230
EM 252	Engineering Fluid Mechanics	3(2-2-1)	EM 251
HU132!!	Accounting and costs for Engineers	2(2-0-0)	None
Total semester credit hours		17	

Mechanical Engineering (Power) - Fourth Year – Semester 8

Course code	Course title	Credit hours	Pre-requisites
EM 256	Power generation by fluids	3(2-2-0)	EM 252
EM 201	Fund. of Combustion Engineering	3(2-1-1)	EM 230
EM 253	Fluid mechanics (2)	3(2-2-1)	EM 251
EM 333	Renewable Energy and Storage Systems	3(2-1-1)	EM 230
EM 240	Refrigeration and Air Conditioning (1)	3(2-1-1)	EM 232
HU 113!!	Technical Report Writing and Presentation Skills	2(1-0-2)	None
Total semester credit hours		17	

Mechanical Engineering (Power) - Fifth Year – Semester 10

Course code	Course title	Credit hours	Pre-requisites
EM 332	Power Plant Operation and Management	3(2-2-0)	EM 230
HU 141!!	Ethics and Human rights	2	None
HU 135!!	Sales, Marketing and Communication Techniques	2	None
EM 341	Controls and Safety of Thermal Systems	2(2-0-1)	EM 221
UC01	Communication Skills	2(2-0-1)	None
EM 350	Pump Technology	2(2-1-0)	EM 252
EM 400-1	Graduation Project (1)	4(3-0-3)	None
Total semester credit hours		17	