

Mechanical Engineering Department Fall 2019 – 2020

لائحة "Mechanical Power 2016-2017"

Mechanical Engineering (Power) - Second Year – Semester 3

Course code	Course title	Credit hours	Pre-requisites
UGE 03	English (3)	2 (2-0-2)	UGE 02
EB 103	Engineering Mathematics (3)	3 (2-2-1)	EB 102
EB 113	Engineering Mechanics (3)	3 (3-1-0)	EB 112
EM 203	Mechanical Drawing	2 (1-3-0)	EB 142
EM 211	Mechanics of Materials	4(3-1-2)	EB 111
EM 251	Fluid Mechanics (1)	3 (2-2-1)	EB 111
EM 270	Materials Engineering	3 (2-2-1)	EM 170
Total semester credit hours		20	

Mechanical Engineering (Power) - Third Year – Semester 5

Course code	Course title	Credit hours	Pre-requisites
EB 207	Numerical Analysis with MATLAB	4(3-1-2)	EB 102
EM 213	Mechanical Design (1)	3(2-2-1)	EM 211
EM 214	Mechanical Vibrations	3 (2-1-1)	EM 212
EM 230	Thermodynamics (1)	3 (2-2-0)	EB 121
EM 272	Manufacturing Processes (2)	3 (2-1-1)	EM 170
EM 261	Eng. Economy & Cost Analysis	2(2-1-0)	None
Total semester credit hours		18	

Mechanical Engineering (Power) - Fourth Year – Semester 7

Course code	Course title	Credit hours	Pre-requisites
EM 220	Measurement and Sensors	3 (2-2-1)	EB 122
EM 232	Thermodynamics (2)	3 (2-2-1)	EM 230
EM 234	Heat exchangers	3 (2-1-1)	EM 231
EE 369!!	Electrical Power for Mech. Engineers	4 (3-2-1)	EE 208!!
EM 233	Heat transfer (2)	3 (2-1-1)	EM 231
HU 132!!	Accounting and Costs for Engineers	2 (2-1-0)	None
Total semester credit hours		18	

Mechanical Engineering (Power) - Fifth Year – Semester 9

Course code	Course title	Credit hours	Pre-requisites
EM 353	Fluid Power systems	3 (2-2-0)	EM 252
EM 343	Air Conditioning Systems	3 (2-2-0)	EM 240
ME 331	Thermal Power Plants Equipment	3 (2-1-1)	ME 230
EM 254	Compressible Flow	2 (2-1-0)	EM 251
EM 400-1	Graduation Project (1)	4 (3-0-3)	Department Approval
EM 263	Project Management	3(2-2-0)	None
Total semester credit hours		18	

لائحة صناعية "Industrial and Manufacturing 2016-2017"

Mechanical Engineering (Industrial and Manufacturing) - Fourth Year – Semester 7

Course code	Course title	Credit hours	Pre-requisites
EM 372	Metrology & Instrumentation	3(2-0-3)	EM 170
EM 371	Manufacturing Process Machine Design	3(2-2-0)	EM 272
EM 262	Operations Research	3(2-2-0)	None
EM 370	Analysis of Metal-Cutting Processes	3(2-1-1)	EM 272
EE 386!!	Electrical Machines Technology for Industrial Systems	4(3-2-1)	EE 208
HU 133!!	Engineering Statistics	2(2-1-0)	None
	Total semester credit hours	18	

رئيس قسم الهندسة الميكانيكية
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