

# Mechanical Engineering Department spring 2018 – 2019

## (Mechanical Power KTH) لائحة

### Mechanical Engineering (Power) - Second Year – Semester 4

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

### Mechanical Engineering (Power) - Third Year – Semester 6

Course code	Course title	Credit hours	Pre-requisites
BE 209	Complex Variables	3(3-1-0)	BE 204
ME 215	Mechanical Design (2)	3(3-2-0)	ME 213
ME 221	Automatic Control	4(3-2-1)	ME 214
ME 231	Heat Transfer (1)	3(3-1-1)	ME 230
ME 252	Engineering Fluid Mechanics	4(3-2-1)	ME 251
<b>Total semester credit hours</b>		<b>17</b>	

### Mechanical Engineering (Power) - Fourth Year – Semester 8

Course code	Course title	Credit hours	Pre-requisites
ME 256	Power generation by fluids	3(3-2-0)	ME 252
ME 201	Fund. of Combustion Engineering	3(3-1-1)	ME 230
ME253	Fluid mechanics (2)	3(3-2-0)	ME251
ME 333	Renewable Energy and Storage Systems	3(3-1-1)	ME 230
ME 240	Refrigeration and Air Conditioning (1)	3(3-1-1)	ME 232
HU 113	Technical Report Writing and Presentation Skills	2	None
<b>Total semester credit hours</b>		<b>17</b>	

### Mechanical Engineering (Power) - Fifth Year – Semester 10

Course code	Course title	Credit hours	Pre-requisites
ME332	Power Plant Operation and Management	3(3-2-0)	ME 230
HU 141	Ethics and Human rights	2	None
HU 135	Sales, Marketing and Communication Techniques	2	None
ME 341	Controls and Safety of Thermal Systems	3(3-1-1)	ME 221
UC01	Communication Skills	2	None
ME 350	Pump Technology	3(3-1-1)	ME 252
ME 400-2	Graduation Project (2)	4(3-0-3)	ME 400-1
<b>Total semester credit hours</b>		<b>19</b>	