

### New Curriculum Structure 2011

Legend	KFD	- Faculty Courses	* Exemptions possible for Bachelor Programme ** Combined to get exemptions for Bachelor Programme
	ZKU,ZEU,MPW	- University Courses	
	POD	- Service from other faculty	
	KMD	- Core & Sharing Courses	
	KMD	- Core Courses	

FACULTY : ENGINEERING  
 DIVISION : MECHANICAL  
 PROGRAMME : DIPLOMA IN MECHANICAL ENGINEERING (A6703)

Year	Sem	Code	Courses	Credit Hours	L	T	P	Contact Hrs/week	Pre-Requisite	Co-Requisite	Note	
				/ weeks								
1	1 (14 weeks)	*HKU 1111	Kepimpinan Dan Kerja Berpasukan	1			2	2	-			
		ZEU 1113	Proficiency English I	3	3	0		3				
		**KFD 1113	Mathematics 1	3	3	0		3	-			
		KFD 1134	Physic	4	3		2	5	-			
		KFD 1133	Chemistry	3	2		2	4	-			
<b>Total Credit Hours For Semester 1</b>				<b>14</b>				<b>17</b>				
1	2 (14 weeks)	*MPW 1143 / MPW 1153	P. Islam / P. Moral	3	3	0		3	-			
		HKU 11**	Co-Curriculum (Option)	1			2	3	-			
		ZEU 1223	Proficiency English II	3	3	0		3	ZEU 1113			
		**KFD 1213	Mathematics 2	3	3	0		3	KFD 1113			
		*KJD 1272	Engineering Drawing	2	1		2	3	-		[manual:autocad] [60:40]	
		*KJD 1281	Mechanical Workshop 1	1	0		3	3	-			
		KJD 1212	Computer Programming & Application	2	1		2	3	-		[spreadsheet:matlab] [40:60]	
<b>Total Credit Hours For Semester 2</b>				<b>15</b>				<b>21</b>				
1	3 (7 weeks)	MPW 1113/MPW 1123	Bahasa Kebangsaan A/B	3	3		0	3	-			
<b>Total Credit Hours For Semester 3</b>				<b>3</b>				<b>3</b>				
2	1 (14 weeks)	**KFD 2113	Mathematics 3	3	3	0		3	KFD 1213			
		*KJD 2143	Statics	3	3	0		3	KFD 1113			
		*KJD 2123	Material Science + (L)	3	2	0	2	4				
		*KJD 2163	Thermodynamics + (L)	3	2		2	4	KFD 1133			
		KJD 2172	Computer Aided Design (CAD)	2	1		3	4	KJD 1272			
<b>Total Credit Hours For Semester 4</b>				<b>14</b>				<b>18</b>				
2	2 (14 weeks)	*MPW 1133	Pengajian Malaysia	3	3	0		3	-			
		*KJD 2283	Manufacturing Process	3	3	0		3	KJD 2123			
		KJD 2233	Strength of Materials + (L)	3	2		2	4	KJD 2143			
		*KJD 2293	Electrical Technology	3	3	0		3	-			
		KJD 2243	Dynamics	3	3	0		3	KJD 2143			
<b>Total Credit Hours For Semester 5</b>				<b>15</b>				<b>16</b>				
2	3 (7 weeks)											
<b>Total Credit Hours For Semester 6</b>				<b>-</b>				<b>-</b>				
3	1 (14 weeks)	KJD 3163	Applied Thermodynamics	3	3	0		3	KJD 2163		[ICE dan Refrigeration] [50:50]	
		KJD 3173	Mechanic of Machines	3	3	0		3	KJD 2243			
		KJD 3102	Project Management	2	2	0		2	-			
		*KJD 3183	Instrumentation and Measurement	3	3	0		3	-			
		*KJD 3154	Fluid Mechanics +(L)	4	3		2	5	KJD 2143			
		*KJD 3181	Mechanical Workshop 2	1	0		3	3	KJD 1281			
<b>Total Credit Hours For Semester 7</b>				<b>16</b>				<b>19</b>				
3	2 (14 weeks)	POD 3123	Entrepreneurship	3	3	0		3	-			
		KJD 3253	Fluid Power	3	2		2	4	KJD 3154		a.k.a Hydraulics & Pneumatics	
		KJD 3282	Computer Aided Manufacturing (CAM)	2	1		2	3	KJD 2172, KJD 2283			
		KJD 3273	Machine Design	3	2	2		4	KJD 2233, KJD 1212			
		KJD 3293	Engineering Project	3	3			3	Complete ALL courses until Year 3 Sem1			
<b>Total Credit Hours For Semester 8</b>				<b>14</b>				<b>17</b>				
3	3 (12 weeks)	KFD 3236	Industrial Training	6	-	-	-	-	Completed ALL other courses			
<b>Total Credit Hours For Semester 9</b>				<b>6</b>								
<b>Total Credit Hours</b>				<b>97</b>								