

# Government College of Technology, Rajanpur

## Syllabus for DAE Mechanical

### 1st Year

Sr#	Course Code	Course Title	T	P	C	
01	GEN - 111	Islamiat and Pakistan Studies	1	0	1	
02	ENG - 112	English	2	0	2	
03	MATH- 113	Applied Mathematics	3	0	3	
04	PHY- 122	Applied Physics	1	3	2	
05	CH-112	Applied Chemistry	1	3	2	
06	MECH -246	Workshop Practice-I	2	15	7	
	A) General Metal Work	0				3
	B) Wood Work	0				3
	C) Welding & Forging	0				3
	D) Foundry	0				3
	E) Basic Machine Shop-I	0				3
	Theory	2				0
07	COM-152	Computer application	1	3	2	
08	MECH-151	Occupational Health, Safety & Environment	1	0	1	
09	MECH-173	Engineering Drawing & Graphics	1	6	3	
<b>Total Credit Hours</b>			<b>13</b>	<b>30</b>	<b>23</b>	

## 2nd Year

Sr#	Course Code	Course Title	T	P	C
01	GEN - 201	Islamiat and Pakistan Studies	1	0	1
02	PHY - 212	Applied Mechanicals	1	3	2
03	MATH- 212	Applied Mathematics	2	0	2
04	MGM-201	Communication Skills & Report Writing	1	0	1
05	MGM-221	Business Management & Industrial Economics	1	0	1
06	ELECT-212	Applied Electricity & Electronics	1	3	2
07	MECH.-233	Computer Aided Design (CAD)	1	6	3
08	MECH.-246	Workshop Practice-II	2	12	6
		A) Basic Machine Shop-II      0   6			
		B) Foundry & Pattern Making      0   3			
		C) Adv. Welding                      0   3			
		Theory			
09	MECH.- 262	Metallurgy	2	0	2
10	MECH.- 272	Metrology	1	3	2
<b>Total Credit Hours</b>			<b>13</b>	<b>27</b>	<b>22</b>

## 3rd Year

<b>Sr#</b>	<b>Course Code</b>	<b>Course Title</b>	<b>T</b>	<b>P</b>	<b>C</b>
01	GEN -301	Islamiat and Pakistan Studies	1	0	1
02	IMH - 301	Industrial Management & Human Relation	1	0	1
03	MECH- 302	Fluid Mechanics & Hydraulic Machines	1	3	2
04	MECH-313	Applied Thermodynamics	2	3	3
05	MECH-321	Industrial Planning & Production Methods	1	0	1
06	MECH-333	Machine Design & Analysis	2	3	3
07	MECH-363	Tool & Mould Design	2	3	3
08	MECH-332	Material Testing & Heat Treatment	1	3	2
09	MECH-354	Workshop Practice-III	2	6	4
10	MECH-352	CAD/CAM	1	3	2
11	MECH-372	CNC Machines	1	3	2
<b>Total Credit Hours</b>			<b>15</b>	<b>27</b>	<b>24</b>