

G. S. Mandal's
Maharashtra Institute of Technology (An Autonomous Institute), Aurangabad
Department of Mechanical Engineering
Second Year Mechanical Engineering Part II

COURSE OUTCOMES

Course Name:	Complex Variable & Vector Calculus
Course Code	BSC 251B
251.1	Find the Fourier transform of given function
251.2	Express the function in Fourier series in different intervals
251.3	Discuss the function of complex variables
251.4	Make use of partial derivatives for differentiation of vector functions
251.5	Evaluate vector integral by Stoke's theorem & Gauss theorem
251.6	Solve the difference equations by z-transform /Solve partial differential equations by separation of variables

CO-PO-PSO MAPPING

COs	POs												PSOs		
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3
251.1	2	1	-	-	-	-	-	-	-	-	-	-	1	-	2
251.2	2	1	-	-	-	-	-	-	-	-	-	-	-	-	2
251.3	2	1	-	-	-	-	-	-	-	-	-	-	-	1	2
251.4	2	1	-	-	-	-	-	-	-	-	-	-	-	-	2
251.5	2	1	-	-	-	-	-	-	-	-	-	-	-	-	2
251.6	2	1	-	-	-	-	-	-	-	-	-	-	1	1	2

COURSE OUTCOMES

Course Name:	Machine Drawing
Course Code	MED 251
251.1	Convert pictorial views of machine components into sectional orthographic views.
251.2	Draw the development of the lateral surface of cut solids and the plane that cuts the solid
251.3	Interpret the true shape of arrangement of any geometric solids like prisms, pyramids, cone, cylinder and any other standard machine component
251.4	Draw different engineering curves and know their applications
251.5	Classify various machine parts and their joints using standard conventions.
251.6	Develop an assembly drawing using parts drawing of machine components

CO-PO-PSO MAPPING

COs	POs												PSOs		
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3
251.1	3	-	-	-	-	-	-	-	-	-	-	-	2	-	-
251.2	3	-	-	-	-	-	-	-	-	-	-	-	2	-	-
251.3	3	-	-	-	-	-	-	-	-	-	-	-	2	-	-
251.4	3	-	-	-	-	-	-	-	-	-	-	-	2	-	-
251.5	3	2	2	-	-	-	-	-	-	-	-	-	2	-	-
251.6	3	2	2	-	-	-	-	-	-	-	-	-	2	-	-

COURSE OUTCOMES

Course Name:	Industrial Hydraulic and Pneumatics
Course Code	MED 283
283.1	Determine the importance of Hydraulic and Pneumatic Systems in industry automation.
283.2	Identify various components like pumps, Motors and Actuators used in Hydraulic systems.
283.3	Describe the various Hydraulic Valves and Hydraulic system Accessories used in industry
283.4	Design and simulate the Hydraulic, Pneumatic, Electro-Hydraulic and Electro-Pneumatic circuits using software and experimentation.
283.5	Determine various Pneumatic systems and its application in industry
283.6	Describe various Pneumatic Cylinders, Motors, and Valves for industry

CO-PO-PSO MAPPING

COs	POs												PSOs			
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	
283.1	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
283.2	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
283.3	3	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-
283.4	-	3	-	-	-	-	-	-	-	-	-	-	3	-	-	-
283.5	1	2	-	-	-	-	-	-	-	-	-	-	2	-	-	-
283.6	-	3	-	-	-	-	-	-	-	-	-	-	3	-	-	-