

Staff Teaching Plan

Date : 01/05/2022

Academic Year : 2021-2022

Course : BE

Branch : MECHANICAL ENGG

Year : 4TH YEAR

Semester : 7TH SEM

Section : A

Sub Code : ME_DOMD_THE

Subject Type : THEORY

Subject : DESIGN OF MECHANICAL DRIVES

Emp ID : M565

Emp Name : ATUL CHANDRAKANT WAGHMARE

Sr.No.	Unit	Topic Code	Expected Date	Topic Description
1	1	108	20/10/2021	PROBLEMS ON ANTI FRICTION BEARING
2	1	106	16/09/2021	PROBLEMS ON FLYWHEEL
3	2	207	31/08/2021	PROBLEMS ON CHAIN DRIVE
4	2	208	01/09/2021	PROBLEMS ON ROPE DRIVE
5	4	407	01/11/2021	PROBLEMS ON WORM DRIVE
6	2	206	30/08/2021	PROBLEMS ON BELT DRIVE
7	1	107	18/10/2021	PROBLEMS ON JOURNAL BEARING
8	3	308	27/07/2021	PROBLEMS ON GEAR DRIVE
9	4	408	04/11/2021	PROBLEMS ON I.C. ENGINE COMPONENTS
10	1	101	05/09/2021	DESIGN OF COUPLING: TYPES OF SHAFT COUPLING, DESIGN OF FLANGE COUPLING
11	1	102	06/09/2021	FLEXIBLE BUSH COUPLING
12	1	103	07/09/2021	DESIGN OF FLYWHEEL: FUNCTIONS, COEFFICIENT OF FLUCTUATION OF ENERGY AND COEFFICIENT OF FLUCTUATION OF SPEED, ENERGY STORAGE IN FLYWHEEL
13	1	104	12/09/2021	DESIGN OF BEARINGS: LUBRICATION, TYPES OF LUBRICATION, OIL SEALS, DESIGN OF HYDRODYNAMIC JOURNAL BEARINGS FOR RADIAL LOADS
14	1	104	13/09/2022	SELECTION OF BALL AND ROLLER BEARING FOR RADIAL AND THRUST LOADS.
15	1	105	14/09/2021	FAILURES OF ANTIFRICTION BEARING, BEARING HOUSING
16	2	201	23/08/2021	DESIGN OF FLAT BELT DRIVE: TYPES OF BELTS AND BELT MATERIAL,
17	2	202	24/08/2021	ANALYSIS OF BELT TENSION, CONDITION FOR TRANSMITTING MAXIMUM POWER, DESIGN OF FLAT BELT, FLAT BELT PULLEY.
18	2	203	28/08/2021	DESIGN OF V BELT DRIVE: TYPES OF V-BELT, ANALYSIS OF V-BELT TENSION, DESIGN OF V BELT AND PULLEY.
19	2	204	29/08/2021	DESIGN OF ROLLER CHAIN DRIVE: VELOCITY RATIO AND LENGTH OF CHAIN, DESIGN OF CHAIN, DIMENSIONS OF TOOTH PROFILE, DESIGN OF SPROCKET.
20	3	301	15/06/2021	DESIGN OF WIRE ROPE DRIVE: INTRODUCTION
21	3	302	19/06/2021	DESIGN OF GEARS: REVIEW OF KINEMATICS OF GEARS AND TERMINOLOGY
22	3	303	20/06/2021	INTERFERENCE, TOOTH PROFILES
23	3	304	12/07/2021	FORMATIVE NUMBER OF TEETH ETC. DESIGN OF SPUR GEAR DRIVE,
24	3	305	13/06/2021	HELICAL GEAR DRIVE
				DESIGN OF BEVEL GEAR DRIVE: TYPES OF BEVEL GEAR

25	3	306	19/07/2021	PROPORTIONS OF BEVEL GEAR, FORCE ANALYSIS OF BEVEL GEAR DRIVE,
26	3	306	21/07/2021	PROPORTIONS OF BEVEL GEAR, FORCE ANALYSIS OF BEVEL GEAR DRIVE,
27	3	306	24/07/2021	PROPORTIONS OF BEVEL GEAR, FORCE ANALYSIS OF BEVEL GEAR DRIVE,
28	3	307	25/07/2021	DESIGN OF BEVEL GEAR DRIVE.
29	4	401	26/07/2021	DESIGN OF WORM GEAR DRIVE: WORM GEARING—AGMA EQUATION
30	4	402	27/07/2021	WORM-GEAR FORCE ANALYSIS
31	4	403	28/07/2021	DESIGNING A WORM-GEAR MESH; BUCKINGHAM WEAR LOAD
32	4	404	02/08/2021	DESIGNING A WORM-GEAR MESH; BUCKINGHAM WEAR LOAD
33	4	406	30/10/2021	DESIGN OF CYL. ETC.
34	4	405	30/10/2021	DESIGN OF IC ENGINE COMPONENTS: INTRO TO SELECTION OF MATERIAL.....
35	1	101	05/09/2021	DESIGN OF COUPLING: TYPES OF SHAFT COUPLING, DESIGN OF FLANGE COUPLING
36	1	102	06/09/2021	FLEXIBLE BUSH COUPLING
37	1	103	07/09/2021	DESIGN OF FLYWHEEL: FUNCTIONS, COEFFICIENT OF FLUCTUATION OF ENERGY AND COEFFICIENT OF FLUCTUATION
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42	2	202	24/08/2021	ANALYSIS OF BELT TENSION, CONDITION FOR TRANSMITTING MAXIMUM POWER, DESIGN OF FLAT BELT, FLAT BELT PULLEY.
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45	3	301	15/06/2021	DESIGN OF WIRE ROPE DRIVE: INTRODUCTION
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47	3	303	20/06/2021	FORMATIVE NUMBER OF TEETH ETC. DESIGN OF SPUR GEAR DRIVE,
48	3	304	12/07/2021	HELICAL GEAR DRIVE
49	3	305	13/06/2021	DESIGN OF BEVEL GEAR DRIVE: TYPES OF BEVEL GEAR
50	3	306	21/07/2021	PROPORTIONS OF BEVEL GEAR, FORCE ANALYSIS OF BEVEL GEAR DRIVE,
51	3	306	19/07/2021	PROPORTIONS OF BEVEL GEAR, FORCE ANALYSIS OF BEVEL GEAR DRIVE,
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58	II	205	25/09/2021	DESIGN OF WIRE ROPE DRIVE

Total Topics: 58