

Staff Teaching Plan

Date : 01/05/2022

Academic Year : 2021-2022

Course : BE

Branch : FIRST YEAR

Year : 1ST YEAR

Semester : 1ST SEM

Section : A

Sub Code : GRA

Subject Type : THEORY

Subject : ENGINEERING GRAPHICS

Emp ID : M514

Emp Name : SUSHAMA SANJAY NANDANWAR

Sr.No.	Unit	Topic Code	Expected Date	Topic Description
1	1	101	15/06/2022	INTRODUCTION USE OF VARIOUS DRAWING INSTRUMENTS LETTERING LAYOUT OF DRAWING SHEETS, SIZES OF DRAWING SHEETS DIFFERENT TYPES OF LINES USED IN DRAWING PRACTICE DIMENSIONING – LINEAR, ANGULAR, ALIGNED SYSTEM, UNIDIRECTIONAL SYSTEM, PARALLEL DIMENSIONING, CHAIN DIMENSIONING LOCATION DIMENSION AND SIZE DIMENSION.
2	1	102	22/02/2022	INTRODUCTION TO SCALES & SCALE FACTOR (RF). BASIC PRINCIPLES OF ORTHOGRAPHIC PROJECTION, REFERENCE PLANES, CONCEPTS OF FOUR QUADRANTS METHODS OF ORTHOGRAPHIC PROJECTIONS – FIRST ANGLE PROJECTIONS, THIRD ANGLE PROJECTIONS CONVENTIONS USED TO REPRESENT METHODS OF ORTHOGRAPHIC PROJECTION.
3	1	103	25/02/2022	PROJECTIONS OF POINTS IN ALL POSSIBLE POSITIONS W.R.T. REFERENCE PLANES PROJECTIONS OF LINES WHEN IT IS PERPENDICULAR TO ONE OF THE REFERENCE PLANES, WHEN LINE IS INCLINED TO ONE & PARALLEL TO OTHER REFERENCE PLANE LINES INCLINED TO BOTH REFERENCE PLANES. (LINES IN FIRST QUADRANT ONLY), SIMPLE PROBLEMS ON STRAIGHT LINES.
4	1	104	01/03/2022	CONIC SECTIONS - ELLIPSE, PARABOLA, HYPERBOLA, (NO DIRECTRIX – FOCUS METHOD), CYCLOID, INVOLUTE & ARCHIMEDEAN SPIRAL.
5	2	201	04/03/2022	TYPES OF PLANES, POSITION OF PLANES WHEN IT IS PARALLEL TO ONE OF THE REFERENCE PLANES, LYING IN REFERENCE PLANE WHEN IT IS PERPENDICULAR TO ONE & INCLINED TO OTHER REFERENCE PLANE WHEN IT IS INCLINED TO BOTH REFERENCE PLANES.
6	2	202	05/03/2022	TYPES OF AUXILIARY PLANES, PROJECTION OF AUXILIARY PLANE (EXCLUDE DETERMINATION OF TRUE SHAPE).
7	2	203	08/03/2022	TYPES OF SOLIDS, SIMPLE POSITIONS. WHEN AXIS IS INCLINED TO ONE & PARALLEL TO OTHER REFERENCE PLANE (ONLY TWO STAGE)
8	3	301	15/03/2022	TYPES OF SECTION PLANES, TYPES OF SECTIONAL VIEWS, TRUE SHAPE OF SECTION
9	3	302	18/03/2022	PROJECTION OF DIFF. SOLIDS CUT BY DIFF. SECTION PLANES (WHEN SOLID IN SIMPLE POSITION I.E. AXIS PERPENDICULAR TO ONE AND PARALLEL TO OTHER REF. PLANES)
10	3	303	19/03/2022	DEVELOPMENT OF LATERAL SURFACES: PRINCIPLE OF DEVELOPMENT, METHOD OF DEVELOPMENT OF LATERAL SURFACES OF SOLIDS, DEVELOPMENT OF LATERAL SURFACES OF ABOVE CUT SOLIDS

11	4	401	22/03/2022	DEFINITION OF ISOMETRIC VIEW/PROJECTION, ISOMETRIC SCALE TO DRAW ISOMETRIC PROJECTION, NON-ISOMETRIC LINES.
12	4	402	25/03/2022	CONSTRUCTION OF ISOMETRIC VIEW FROM GIVEN ORTHOGRAPHIC VIEWS
13	4	403	26/03/2022	TO CONSTRUCT ISOMETRIC VIEW OF COMBINED TWO SIMPLE SOLIDS (AXES VERTICAL & COINCIDING) SUCH AS CUBE, PYRAMID, PRISM, CONE, CYLINDER & SPHERE.
14	1	101	18/02/2022	INTRODUCTION USE OF VARIOUS DRAWING INSTRUMENTS LETTERING LAYOUT OF DRAWING SHEETS, SIZES OF DRAWING SHEETS DIFFERENT TYPES OF LINES USED IN DRAWING PRACTICE DIMENSIONING – LINEAR, ANGULAR, ALIGNED SYSTEM, UNIDIRECTIONAL SYSTEM, PARALLEL DIMENSIONING, CHAIN DIMENSIONING LOCATION DIMENSION AND SIZE DIMENSION.

Total Topics: 14