

VEER NARMAD SOUTH GUJARAT UNIVERSITY, SURAT
ENGINEERING GRAPHICS

SEMESTER -I

TEACHING SCHEME	L=1; P/D=4; TA=0
EXAMINATION SCHEME	Theory = 3hours; Marks= 100
PRACTICAL / DRAWING	Internal evaluation Marks: 20 External evaluation Marks: 30 Total Marks: 50

(A) THEORY:

1. Engineering Graphics:

Introduction, importance and role of graphics in engineering graphics equipments and instruments, standard drawing papers, drafting techniques lettering, Dimensioning and architectural symbols as per I.S. Codes.

2. Graphic Presentations:

Development of graphs, scales and nomograms for two and three variables, scale Conversions and engineering illustrations.

3. Setting of Curves:

Different types of engineering curves, characteristics, construction and drawing of Curves : ellipse, parabola, hyperbola and spirals.

4. Technical sketching and detailing:

Sketching of building plans, building components, electrical circuits and machines Foundations.

5. Engineering Projection :

Types, uses and principles of isometric and orthographic projections, projections of Points and lines.

6. Computer Graphics:

Use of computers in graphic display and autocad applications.

(B) PRACTICAL/DRAWINGS + TUTORIAL ASSIGNMENTS :

Based on the theory course prescribed above.

(C) REFERENCES:

1. K. Venugopal, Engineering Drawing and Graphics, Wiley Eastern Ltd., New Delh1994
2. Narayan K. L., Engineering Graphics, TMG publications, 1994.