

**GUJARAT TECHNOLOGICAL UNIVERSITY**

**BRANCH NAME: B.ID.**

**SUBJECT NAME: TECHNICAL REPRESENTATION OF DRAWING (TRD) – II**

**SUBJECT CODE: 2X25105**

**1st Year: Semester: 2**

**Prerequisite:**

Students should have studied TRD-I taught in semester-I

**Rationale:**

- Developing an evolved drawing vocabulary as a medium of expression of Design
- Techniques of rendering and presentation in different media
- Learning basic computer applications
- Learning 2 dimensional drawings on computers

**Teaching and Assessment Scheme:**

Teaching Scheme			Credits C	Examination Marks				Total Marks	University Exam Type
Lectures	Tutorials	Studio		External exam		Internal exam			
				(ESE) Practical	(ESE) Viva	(PA) Practical	(PA)Viva		
1	1	4	6	40	NA	60	NA	100	Drawing Exam

**Content:**

Sr.No	Content	Total Hours*	% Weightage *
1	<b>Unit 1 : Intersections of Solids</b> <ul style="list-style-type: none"><li>• Interpenetration of solids and development of solid surfaces with models and drawings</li></ul>	10	20
2	<b>Unit 2: Sciography</b> <ul style="list-style-type: none"><li>• Sciography of simple planes, solids and building elements</li></ul>	10	20
3	<b>Unit 3: Orthographic projection</b> <ul style="list-style-type: none"><li>• Principles of plane geometry, scale, orthographic projections of points, lines, planes and solids and First angle projection, Third angle projection of objects and space</li></ul>	30	30
4	<b>Unit 4: Drafting of Perspective Drawings</b> <ul style="list-style-type: none"><li>• Preparation of Perspective Drawings by using all drafting tools with accurate perception and understanding of proportions and scales</li></ul>	30	20

5	<b>Unit 5 : Measure Drawings</b>	16	10
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**Reference Books:**

- Designing sound - Andy Farnell
- Design, Form and Chaos - Paul Rand
- A Designer's Art. - Paul Rand, Steven Heller
- Steal like an Artist - Austin Kleon
- The Order of Time - Carlo Rovelli

**List of Journals/ Periodicals/ Magazines/ Newspapers/ Digital Resources etc.:**

- Print, image, and sound: essays on mediaby John Gordon Burke; American Library Association, Publisher: Chicago: American Library Association, 1972
- The Sensible sound., Snyder, N. Y., Ed. Sensible Sound, Inc, 1900s
- The death of character: perspectives on theater after modernism by Elinor Fuchs  
Bloomington: Indiana University Press, ©1996.

**List of Projects/Assignments\*:**

- Drafting Exercises, Model making, Presentations

\*- this is suggestive for common purpose. Faculty may decide on this, considering student group and institution philosophy.