

Proposed Scheme and syllabus for BACHELOR OF INTERIOR DESIGN at Veer Narmad South Gujarat University, Surat.

B.ID. II; Semester III:

INTERIOR SERVICES-I (Electricity / Plumbing)

A	B	CONTACT HRS..				CREDITS	INTERNAL 60%					EXTERNAL 40%					Grand Total		
		C	D	E	F		G	H	I	J	K	L	M	N	O	P	Q	R	S
		Lecture	Studio	Workshop	Total Hrs.	Credits	Presence	Continuous evaluation	Internal Test	Mid.-Sem. jury	Total Internal (H+I+J+K)	Passing (40% OF L)	Final Exam.	Final Jury	Portfolio Submission	Total External (N+O+P)	Passing (40% of Q)	Total (L+Q)	Passing (45% of S)
							10% of S	30% of S	20% S		60% of S	24% of S	40% of S				16% S	100 %	45% of S
	Interior services I (Electricity & Plumbing)	2	-	-	2	2	20	60	40	-	120	48	80	-	-	80	32	200	90

EMPHASIS: **Electrification:** Light as theory and application to building design, especially major element in creating "Model" interior spaces.
Plumbing / Drainage: Knowledge of various products for lighting device available in market.
 Understanding of requirements of Building Services – water supply and drainage in design.

CONTENT: **Electrification:**

Light and its sources, lighting criteria, day lighting, prediction method.

Artificial lighting levels for various activities.

Electric layouts, science of wire distribution, control panels, switches, types of wiring, wiring for heating / cooling, ducting systems and conduits.

Switches, Light sources, Luminaries and fixtures available in market.

Project Drawings for residence, flats, commercial and institutional building.

Plumbing:

Requirements of water supply to various buildings, sources of water, methods of conveyance of water, materials required for plumbing.

Water purification and its product availability in the market.

Drainage:

Refuse: different forms of refuse garbage, soilage, toilet waste and storm – water and disposal system.

General principles of drainage, and drainage lines. Connection to out-door drainage system, size requirements calculations, market survey of pipes and related materials.

Bathroom – Interior layouts, Market survey of products and economics, fixing and laying out of products with other finishing materials.

REFERENCES:

1. Duggal - Elements of public health engineering
2. R.S. Deshpande - Text Book of sanitation
3. S.R.Kshirsagar - Text Book of sanitary engineering
4. National Plumbing Code (AWWA)
5. Bhide - Water supply and drainage
6. Neufert – Architects Data
7. Time Savers standard for Interior Design and Space Planning
8. Norbert Lechner - Heating cooling, lighting
9. Uppal - Electrical wiring estimating and costing
10. W.L.Mackey-Vol-2&4
11. Barry – Vol-5

