

GUJARAT TECHNOLOGICAL UNIVERSITY

Syllabus for Bachelor of Interior Design

SEMESTER-3

SUBJECT NAME – INTERIOR SERVICES - I
SUBJECT CODE – 1035105

EMPHASIS:

- Electrification, Plumbing & Drainage.

CONTENT:

Electrification:

- Brief introduction to electricity, generation, transmission, distribution.
- Terminology such as volt, watt, ampere, etc.
- Power distribution, wire distribution, types of wiring 3-phase & single phase, understanding phase, neutral and earth, looping and parallel connections, conduits & trays for wiring.
- Control panels, switches.

Plumbing:

- Requirement of water for various usages.
- Sources of water supply for various usages.
- Types, requirements and functioning of underground and overhead water storage facilities.
- Plumbing diagrams, various components, and types of plumbing pipes.
- Various types of sanitary wares, sanitary fixtures, accessories, etc.

Drainage:

- Different forms of refuse, garbage, toilet waste, storm water disposal.
- General principles of drainage, drainage system, connection to outdoor drainage system or septic tank and soak pits.
- Various types of chambers such as gully trap, inspection, and sewer trap chambers, etc.
- Calculations of required sizes.

THRUST/PROJECTS:

- Drawings for each of the above mentioned service for any project such as a residence, commercial or institutional.
- Market survey of products, specifications, costs, etc.

REFERENCES:

- Time saver standards for Interior Design and space planning.
- Uppal: Electrical wiring estimating and costing.
- Mackey, W. L. : Building Construction Volumes II & IV.
- Barry, R. : The construction of Building Volume V.