

GUJARAT TECHNOLOGICAL UNIVERSITY

Syllabus for Bachelor of Interior Design

SEMESTER-1

SUBJECT NAME – COLOR AND LIGHT

SUBJECT CODE – 1015102

EMPHASIS:

- Color as an element of Interior Design and color as Science
 1. Physics: Light and the Spectrum. Different Wave lengths of color light.
 2. Physiology: The eye, optic nerve and brain perception. Harmony in vision and the basic principles. Modifying effect of juxtaposed colors – color interaction etc.
 3. Psychology: Color as a psychological stimulant – cool, warm, natural, etc.

CONTENT:

- Study, comparison and application of color systems: Pluto, Munsell, Prang , Pantone and others
- Color in Nature. Color and materials: Color and Textures of various natural materials (Various types of dyes, pigments and paints.)
- The modifying factors
 1. Light: Quality and quantity of light.
 2. Surface quality: Natural verses artificial light.
 3. Distance: Ability to reflect / absorb light. Diminishing effect of light. Effect to perception of hue according to varying chroma content.
 4. Scale: Effect of changing eye – levels. The proportions of colors as related to the field of vision of eye.
- As manifest in various cultures and Geographic Regions: Peculiarities, usage, Effect of climate, Color symbolism universally accepted values.
- Perception of color and form: Basic characteristics of various hues.

PROJECTS:

- Study of colors from nature and its abstraction.
- Understanding aspects of color: Hue, Value, Intensity.
- Color wheel – color chart from black to white with color.
- Color schemes: Monochromatic, complimentary, split complimentary, analogous, triad and tetrad.
- Techniques of using colors to create different effects such as harmony, discordant, etc.
- Understanding manipulation of scale and distance through color.
- Experimenting light color theory and comparing additive and subtractive color theory.

REFERENCES:

- Harriet Goldstein- Art in Everyday Life
- Jonathan Itten- Art of Color
- Jonathan Itten- Elements of Color
- Jeane Allen-Designers guide to Color
- Jonathan Poore-Interior Color by Design
- Tina Sutton and Bride H. Whelam-The Complete Color Harmony