

L J UNIVERSITY
L J SCHOOL OF DESIGN
Syllabus for Bachelors of Design
Second Year I Semester 4

CODE	SUBJECT	CREDIT
10180405	LIGHTING AND COLOUR IN INTERIORS	2
AIM		
	Students should acquire knowledge of the various types of lightings to effectively communicate their designs and understand the effect of various lights on colours and textures.	
CONTENT:-		
	<p>INTRODUCTION TO DAY LIGHTING</p> <ul style="list-style-type: none"> Nature of light – Wavelength, Photometric quantities – intensity, Flux, illumination and luminence, visual efficiency, sources of light, day light factor concept, design sky concept, day lighting requirements. <p>ARTIFICIAL LIGHTING</p> <ul style="list-style-type: none"> Electric lamps – incandescent, fluorescent, sodium vapour, mercury, halogen and neon. Different types of lights in interior and exterior - task lighting, special purpose lighting. Calculation of artificial lighting, guidelines for lighting design, Glare in artificial lighting. <p>EFFECT OF COLOR IN LIGHTING</p> <ul style="list-style-type: none"> Colors, color schemes - Monochromatic, analogous, complementary colour schemes, triadic and tetradic schemes, effects of color in different areas, color temperature, psychological effects of colour in interiors, factors affecting colour, Prang theory – Colour wheel, Munsell system and Oswald system. <p>LUMINAIRES & FIXTURES</p> <ul style="list-style-type: none"> Definition, different luminaires for lighting, lighting control system- benefits & application, Impact of lighting, fixture types - free standing or portable, fixed, light fixture control. Lighting accessories- switches, sockets, fused connection units, lamp holders, ceiling roses etc. <p>CASESTUDY</p> <ul style="list-style-type: none"> Study of projects based on different lighting concepts used in interiors and exteriors. 	
METHODOLOGY:-		
	<ul style="list-style-type: none"> Interactive discussions and presentations on topics, Assignments based on theory portions, Live case study to understand systems Understanding lighting through study models and preparation of electrical layout of any studio design project 	
REFERENCE BOOK:-		
	<ul style="list-style-type: none"> The Art of living- Randall whitehead, Lighting design, source book- Randall whitehead Light right- M.K.Halpeth, T.Senthil kumar, G.Harikumar 4. Concepts of lighting, Lighting design in Architecture- Torquil Barker 	