

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

B.ID. II; Semester IV

INTERIOR SERVICES-II (CLIMATOLOGY & HVAC)

A	SUBJECT	CONTACT HRS..				CRE DITS	INTERNAL 60%						EXTERNAL 40%					Grand Total	
		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)
B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	
						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- II	2	-	-	2	2	20	60	40	-	120	48	80	-	-	80	32	200	90

EMPHASIS : Importance of human comforts in interior spaces through natural elements – (climate) Built Form and Environmental Climatology.

CONTENT : Built environment, conditions, impact and issues of climatic balance in traditional and contemporary built environments.
 Examples from different regions in India and other parts of the world, issues of ecological balance. Implications of climatic forces in nature of spaces and forms patterns of organization, and elements of built form at individual building.
 Building climatology – Building climatologically site analysis, application of comfort diagrams, introduction to basic thermal units, theory of heat flow, heat transmission, thermal properties of materials, human heat balance.
 Physiological comfort, outdoors and indoors, heat flow within buildings, steady state conditions and periodic flow, thermal performance of building elements, Sun protection of buildings. Heat control, solar orientation, shading devices, radiation, outdoor – indoor ventilation, solar energy and its technical applications.

REFERENCES: Koenigsberger – Manual of Tropical Housing and Building: Climatic Design
 Ahmed Kasu – Interior Design
 F.D.K. Ching – Interior Design Illustrated