



# GUJARAT TECHNOLOGICAL UNIVERSITY

Program Name: Bachelor of Interior Design

Level: UG

Branch: BID

Course / Subject Code : 2X65107

Course / Subject Name : Basics of Universal Design

w. e. f. Academic Year:	2024-2025
Semester:	6
Category of the Course:	Elective

<b>Prerequisite:</b>	Its an introductory course so there are no prerequisites as such.
<b>Rationale:</b>	<ul style="list-style-type: none"><li>Understand the principles and importance of Universal Design (UD).</li><li>Analyse spaces for accessibility and inclusivity.</li><li>Create design solutions that accommodate diverse users, including those with disabilities, the elderly, and others with varying needs</li></ul>

## Teaching and Examination Scheme:

Teaching Scheme (in Hours)			Total Credits L+T+ (PR/2)	Assessment Pattern and Marks				Total Marks
L	T	PR	C	Theory		Tutorial / Practical		
				ESE (E)	PA / CA (M)	PA/CA (I)	ESE (V)	
	1	1	2	NA	50	50	NA	100

## Course Content:

Unit No.	Content	No. of Hours	% of Weightage
1.	<b>Unit 1 : Introduction to Universal Design</b> History of Universal Design, Definitions, Principles and its Key Concepts Differences and similarities between Universal Design, Accessible Design, and Inclusive Design.	10	30
2.	<b>Unit 2: Analysing applications of Universal Design</b> Brief explanation of Govt Policies around accessibility and international codes Ergonomic design requirements for different body types and abilities Examples of UD being implemented in furniture, appliances, and lighting, entrances, restrooms, and signage in public spaces	14	50



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3.	<b>Unit 3: Technology and Sustainability considerations in Universal Design</b> Emerging technologies bridging gaps in accessibility and support UD. Innovations in sustainable materials in the UD process.	8	20
<b>Total</b>		<b>32</b>	<b>100</b>

\*: indicative

## References/Suggested Learning Resources:

### (a) Books:

1. "Universal Design: Creating Inclusive Environments" by Edward Steinfeld and Jordana Maisel
2. "Design for All: Implications for Interior Design Practice" by Wolfgang Preisler

## Suggested Project List:

- A. Group presentation analysing the application of UD in specific interior spaces.
- B. Sketch reflective solutions on how they plan to integrate UD in their previous sem studio projects.

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