



# AMITY UNIVERSITY

— UTAR PRADESH —

**Course Title: Architectural Design Studio – I**  
**Course Code: ARCH142**  
**Credit Units: 5**  
**Level: UG**

L	T	P/S	SW/FW	TOTAL CREDIT UNITS
-	2	6	-	5

Course Title		Weightage (%)
<b>ARCHITECTURAL DESIGN –I</b>		
<b>1</b>	<b>Course Objectives:</b> Introduction to elementary design and outline to architecture as a discipline	
<b>2</b>	<b>Prerequisites:</b> NIL	
<b>3</b>	<b>Student Learning Outcomes:</b> The student will gain elementary knowledge of application of architectural principles.	
<b>Course Contents / Syllabus:</b>		
<b>4</b>	<b>Module I: Introduction to Fundamentals of Architecture.</b> To introduce Architectural Design, Preliminary geometric abstract interpretation from nature & built environment	<b>25</b>
<b>5</b>	<b>Module II: Forms, Space and Composition</b> Organization of Forms & Spaces, Types of Organization with emphasis on spatial relationship.	<b>25</b>
<b>6</b>	<b>Module III Anthropometrics</b>	<b>25</b>

	Anthropometric studies – average measurements of human body in different postures, its proportion and graphic representation, application in design of simple household and street furniture.  Basic human functions and their implications for space requirements. Minimum and optimum areas for various functions.																															
<b>7</b>	<b>Module IV: Single space unit design</b> Introduction to the process of architectural design – Process: Context, concept, scale, utility, form, space. Basic design problem of a single cell spatial structure	<b>25</b>																														
<b>8</b>	<b>Pedagogy for Course Delivery:</b> Lecture, studio based exercises, site visit, audio-visual presentation, drawing, sketching																															
<b>9</b>	<b>Assessment/ Examination Scheme:</b>  <table border="1" data-bbox="235 622 1859 1061"> <tr> <td><b>Theory (%)</b></td> <td colspan="3"><b>Lab/Practical/Studio (%)</b></td> <td colspan="2"><b>Total</b></td> </tr> <tr> <td>NIL</td> <td colspan="3">100</td> <td colspan="2">100%</td> </tr> <tr> <td colspan="6" style="text-align: center;"><b>Lab/Practical/Studio Assessment</b></td> </tr> <tr> <td><b>Components (Drop down)</b></td> <td><b>A</b></td> <td><b>CT</b></td> <td><b>S</b></td> <td><b>P</b></td> <td><b>Viva</b></td> </tr> <tr> <td><b>Weightage (%)</b></td> <td>05</td> <td>10</td> <td>20</td> <td>15</td> <td>50</td> </tr> </table> <p><b>A- Attendance, CT – Class Test ( Practical Based), S- Studio Work, P - Portfolio</b></p>	<b>Theory (%)</b>	<b>Lab/Practical/Studio (%)</b>			<b>Total</b>		NIL	100			100%		<b>Lab/Practical/Studio Assessment</b>						<b>Components (Drop down)</b>	<b>A</b>	<b>CT</b>	<b>S</b>	<b>P</b>	<b>Viva</b>	<b>Weightage (%)</b>	05	10	20	15	50	
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**Text & References:**

**Text:**

- Francis D.K. Ching, Architecture: Form, Space and Order,
- Ernst Neuferts Architects Data, Blackwell 2002
- Alexander Christopher-A Pattern Language
- Heller Robert and Salvadori Mario, Structure in Architecture,
- Walter Gropius, Design Fundamental in Architecture

- Peter Streens, Pattern of Nature,
- MeissPieree Von, Elements of Architecture,

***References:***

- Joseph D.C. and John Callender, Time Saver standards for building types.
- Julius Panero, Martin Zelnik, Human Dimension and Interior Space, Whitney Library of Design, 1975
- Jan Bilwa and Leslie Fair Weather, A.J. Metric Handbook
- Ramsey et al, Architectural Graphic Standards, Wiley 2000
- Hideaki Hareguchi, A Comparative analysis of 20th century houses, Academy Editions,1988
- Sam F. Miller, Design Process: A Primer for Architectural and Interior Design, Van Nostrand Reinhold, 1995.
- Terence Conran, The Essential House Book, Conran Octopus, 1994