

GANPAT UNIVERSITY										
FACULTY OF ARCHITECTURE DESIGN & PLANNING										
Programme	Bachelor of Design				Branch/Spec.	INSTITUTE OF DESIGN				
Semester	II				Version	3.0.0.0				
Effective from Academic Year	2021-22				Effective for the batch Admitted in	June 2021				
Subject code	3IIA02BD	Subject Name			BASIC DESIGN - II					
Teaching scheme					Examination scheme (Marks)					
(Per week)	Lecture (DT)		S/W/T		Total		CIE	SE	UE	Total
	L	TU	S/W/T	TW						
Credit	-	-	6	-	6	Theory	-	-	-	-
Hours	-	-	6	-	6	Jury/Viva /TW	40	20	40	100
Objective:										
<ul style="list-style-type: none"> <li>Emphasis is on two-dimensional representation of three-dimensional forms; development of basic skills in architectural design drawing and 3D modelling.</li> <li>Through experiential hands-on design exercises, this studio will focus on the development of space/composition through the composition of tectonics and stereotomic assemblies. Rumbling between physical models, narrative statements, and drawing explorations, context inspired design processes will stress on analysis, abstraction, and refinement through peer and self-critique.</li> </ul>										
Learning Outcome:										
At the end of the course the student will be able to:										
<b>LO1:</b> Develop a set of fundamental skills										
<b>LO2:</b> Learn to implement, assess, and revise formal organizational strategies within 2D and 3D compositions.										
<b>LO3:</b> Learn to assess the impact that various 2D and 3D investigative methods have on intuitive and systems design thinking.										
<b>LO4:</b> Learn to develop an appreciation for craftsmanship in 2D and 3D methods of design exploration.										
CONTENT & TEACHING UNITS										
Unit	Content									HRS
I	<p>This studio will introduce the five fundamentals of design: space, order, tectonics, site and use, layered and reinforced through a series of design exercises. Fundamental spatial explorations, particularly focused on climate and site will be explored in conjunction with basic topics of scale, proportion, composition, ergonomics, context, approach, arrival, threshold, sequence, flexibility, and circulation through project-based exercises in the design studio.</p> <p><b>Introduction to Design Principle (Advanced)</b> Theoretical inputs in Advanced Design Principles. Small hands-on exercises based on it.</p>									18
II	<p><b>Visual Analysis of Form</b> When given a complex form to analyse, students will be able to construct analytical models and drawings. For those hands-on exercises will be used for developing understanding on Intersection, layering, overlapping of geometric and organic forms. Students will be able to construct 3D Tectonic models and 2D graphic representation and a defined scale.</p>									18

III	<b>Introduction to Anthropometry</b> Study and documentation of human dimensions in various postures (applied form), their relation to everyday utilities. Critical analysis of ergonomic aspects of space planning.	24
IV	<b>Introduction to Measure drawings</b> This module would introduce students to elements of architecture through understanding of Measured Drawing of existing small human habitat. Importance of contextual factors in Architectural design e.g. orientation, ventilation, adequate protection from rain, dust, insects etc.,	24
V	<b>Approach to real scale design</b> When given an architectural program and contextual information, students will be able to implement a design process circling between exploration, self-critique, and refinement; and entertain various design proposals by challenging the hierarchy of plans, sections, and models.	24

#### Text Books

1 Principles of Basic Design - Vol. 1 to 4 – Maier Manfred

#### Reference Books

1	Ching, F. D. K. 2012. Architecture: Form, Space and Order, 3rd Ed. Hoboken: John Wiley & Sons.
2	Pandya, Y., 2007. Elements of Space making. Mapin, Ahmedabad
3	Paul, A. J., 1994. The Theory of Architecture—Concepts & themes. Van Nostrand Reinhold. New York.
4	Peter, V. M. 1998. Elements of architecture – _from form to place. 1st Ed. Routledge, New York.
5	Pattern Languages - Christopher Alexander
6	Roth, L. M., 2013. Understanding Architecture: Its Experience History and Meaning, 3rd Ed. West-view press, Philadelphia.
7	Rudolf, A., 1977. The dynamics of architectural form. University of California Press, Berkeley and Los Angeles.
8	Unwin, S. 2003. Analysing Architecture. Routledge, London

Note: Continuous Internal Evaluation shall be divided into A. 20% -Attendance B. 80% -Periodic Evaluation

CIE- Continuous Internal Evaluation, SE-Summative Evaluation (Jury/Viva/TW/Theory Exam),  
UE- University Exams (Jury/Viva/TW/Theory Exam)