

GUJARAT TECHNOLOGICAL UNIVERSITY

BRANCH NAME: M. Arch. (INTERIOR ARCHITECTURE)

SUBJECT NAME: Elective -1 (ORIGAMI)

SUBJECT CODE: X16210

1st Year

Semester: I

Prerequisite:

There is no prerequisite for taking this course.

Rationale:

Art of paper folding and its application in interior architecture.

Teaching and Assessment Scheme:

Teaching Scheme			Credits	Examination Marks				Total Marks	University Exam Type
Field work	Lectures	Studio		External exam		Internal exam			
			(ESE)Theory	(ESE) Viva	(PA)Theory	(PA)Viva			
NA	1	1	2	00	40	00	60	100	Viva

Content:

Sr. No.	Content	Total Hours*	% Weightage
1	Physical and geometric properties of paper and folding, introduction to different types of origami	12	40%
2	Modular origami and building large-scale structures, functional origami (folded furniture, sheds, vessels etc)	12	40%
3	Mathematical modeling and engineering design , Fractals and tessellations	08	20%

*: indicative

References:

- Robert J. Lang: Origami Design Secrets: Mathematical Methods for an Ancient Art, 2003
- Byriah Lope: Mind-Blowing Modular Origami – The Art of Polyhedral Paper, 2016
- John Montroll: Easy Origami, 1992

List of Projects/Assignments*:

Assignments may consist of a series of exercises.

*- This is suggestive for common purpose.