

GUJARAT TECHNOLOGICAL UNIVERSITY

BRANCH NAME: M. Arch. (INTERIOR ARCHITECTURE)
SUBJECT NAME: Elective -1 (ADVANCED COMPUTER AIDED DESIGN)
SUBJECT CODE: X16206
1st Year
Semester: I

Prerequisite:

Basic working knowledge of CAD software is prerequisite for taking this course.

Rationale:

Advances of computer aided design in interior architecture

Teaching and Assessment Scheme:

Teaching Scheme			Credits C	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	CAD – 3D Modeling & rendering	12	40%
2	Graphic related software, presentation and editing software	12	40%
3	Quantity take-off and energy performance software	08	20%

*: indicative

References:

- Alan Jefferis & David: Architectural Drafting & Design.
- Elys john : Cad Fundamentals for Architecture
- Danial Tal: Rendering in Sketch Up
- L.Murdock's Autodesk 3DMax reference guide by Kelly Murdoch, S.D.C Publication

List of Projects/Assignments*:

Projects/assignments may consist of a series of exercises followed by a term project which give students various opportunities to exercise what they have learnt in this subject.

*- This is suggestive for common purpose.