

GUJARAT TECHNOLOGICAL UNIVERSITY, AHMEDABAD, GUJARAT**COURSE CURRICULUM**
COURSE TITLE: INTERIOR DESIGN & DETAILING
(Code: 3345002)

Diploma Programme in which this course is offered	Semester in which offered
Architectural Assistantship	4 th Semester

1. RATIONALE

In modern world interior designing is not restricted only to luxury hotels but now most of the commercial establishments ranging from show rooms, corporate offices, clubs, beauty salons even houses, schools and hospitals go for interior designing to enhance aesthetic and functional value of their interiors. Thus interior designing is a growing business. Students may get good self employment in this area. Interior design is a creative, imaginative work, which is both science and art which helps meet the needs of the people using the internal space with aesthetic vision. Interior designers work with clients and other design professionals to develop design solutions that are safe, functional, attractive and within budget.

This course helps one understand the properties of different materials and fittings and how they should be used appropriately. It also incorporates knowledge of effects of different types of finishes in interior spaces and how and where they should be used. The curriculum will provide the opportunities to use computer aided design and concept of lighting, colour, modern materials, furnishings and finishes which are in vogue. This also includes false ceiling, artistic flooring and modular kitchen.

2. COMPETENCY

The course content should be taught and curriculum should be implemented with the aim to develop required skills so that students are able to acquire following competencies:

- **Design in detail interior spaces so that it serves the need of client with aesthetic value within budget.**

3. COURSE OUTCOMES (COs)

The theory should be taught and practical should be carried out in such a manner that students are able to acquire required learning out comes in cognitive, psychomotor and affective domain to demonstrate following course outcomes.

- Appreciate the applications of various materials and finishes used interior design
- Design of a false ceiling for a given residential unit with respect to furniture layout
- Apply the principles of designing a flooring pattern for a given residential unit
- Apply the design parameters for preparing detailed drawings for any given piece of furniture

4 TEACHING AND EXAMINATION SCHEME

Teaching Scheme (In Hours)			Total Credits (L+T+P)	Examination Scheme				
L	S/T	P		Theory Marks		Practical Marks		Total Marks
0	0	6	6	ESE	PA	ESE	PA	
				0	0	60	90	

Legends: L-Lecture; S/T- Tutorial/Teacher guided theory Practice– Studio; P -Practical; C – Credit; ESE -End Semester Examination; PA - Progressive Assessment

5. DETAILED COURSE CONTENT

Note: There are no separate classes for the theoretical content as given below, this content has to be discussed before the relevant practical/exercises in the studio.

Unit	Major Learning Outcomes (in cognitive domain)	Topics and Sub-topics
Unit-I Furniture Layout (residential unit)	1a. Apply the principles of space planning related to interior design 1b. Appreciate the applications of various materials and finishes used in interior design	1.1 Interior layout and design of furniture of a residential unit as per given requirements 1.2 Elevations and sections with respect to furniture layout and interior as per materials and finishes
Unit-II False ceiling & lighting	2a. Design of a false ceiling for a given residential unit with respect to furniture layout 2b. Understand the importance of lighting and electrification with respect to furniture & false ceiling layouts 2c. Use of various lighting fixture	2.1 Types of false ceiling materials 2.2 Construction details of all ceiling materials 2.3 Finishing material details 2.4 Types of lighting fixtures in the ceiling
Unit -II Flooring detail	3a. Apply the principles of designing a flooring pattern for a given residential unit 3b. Put into practice the latest materials and finishes available in the market	3.1 Types of interior flooring materials with respect to their use in interior space and their properties 3.2 Construction details of flooring materials 3.3 Types of finishing e.g. polishing for stone, etc.
Unit- IV Furniture & Kitchen detailing	4a. Use design parameters for preparing a kitchen layout and its details 4b. Apply the design parameters for preparing detailed drawings for any given piece of furniture	4.1 Kitchen drawings with section (platform, supports, fascia, below & above platform storage, dado, etc) 4.2 Detailed drawings for any one e.g. Sofa set, Double or Single Bed, Wardrobe, etc.

6. SUGGESTED SPECIFICATION TABLE WITH HOURS (THEORY)

Unit No.	Unit Title	Teaching Hours	Distribution of Theory Marks			
			R Level	U Level	A Level	Total Marks
I	Furniture Layout (residential units)	28	N.A.			
II	False Ceiling & Lighting	14				
III	Flooring Details	14				
IV	Kitchen and Furniture Details	28				
	Total	84				

Note: This specification table shall be treated as only general guideline for students and teachers. The actual distribution of marks in the question paper may vary from above table.

7. SUGGESTED LIST OF EXERCISES/PRACTICAL

The practical/exercises should be properly designed and implemented with an attempt to develop different types of skills (**outcomes in psychomotor and affective domain**) so that students are able to acquire the competencies/programme outcomes. Following is the list of practical exercises for guidance.

*Note: Here only outcomes in psychomotor domain are listed as practical/exercises. However, if these practical/exercises are completed appropriately, they would also lead to development of certain outcomes in affective domain which would in turn lead to development of **Course Outcomes** related to affective domain. Thus over all development of **Programme Outcomes** (as given in a common list at the beginning of curriculum document for this programme) would be assured.*

Faculty should refer to that common list and should ensure that students also acquire outcomes in affective domain which are required for overall achievement of Programme Outcomes/Course Outcomes.

Sr. No.	Unit No.	Assignment/Practical/ Exercises (Outcomes' in Psychomotor Domain)	Approx Hours Required
1	I	Prepare furniture layout drawings as well as interior elevations and sections for a given residential unit	28
2	II	Prepare false ceiling layout and construction detail drawings for a given residential unit	14
3	III	Prepare flooring pattern and construction detail drawings for a given residential unit	14
4	IV	Prepare all kitchen detail drawings including layout and construction details	14
5	V	Prepare all detail drawings including construction details for a given room/area of the residential unit	14
Total hours			84

Note: Since theory would also be discussed during the practical time, if student are not able to complete the drawings in the studio during allotted time, then they have to take out time for completing their work after college hours, during weekends and on holidays.

8. SUGGESTED LIST OF STUDENT ACTIVITIES

- i. Students should survey the market for above mentioned interior finishing materials, collect data and samples of different materials used for false ceilings, flooring, furniture, kitchen, etc., understand their fixing details and analyze them by making a presentation and/or interactive group discussion.
- ii. Students should explore the websites of famous and reputed materials and accessories suppliers such as wood laminate and furniture suppliers, wall paint and wall paper companies, electric and bathroom fitting suppliers. Explore old volumes of interior design magazines such as Inside Outside.

9. SPECIAL INSTRUCTIONAL STRATEGIES (If Any)

Arrange visit to residential units where good interior design work is being carried out. Such visits should be organized by concerned faculty member/s who should explain the type of material and fixtures being used and the way they are used.

10. SUGGESTED LEARNING RESOURCES

A. List of Books

Sr. No.	Title of Book/Journals	Author	Publication
1.	Time Saver Standards for Interior Design	Watson	McGrawhill
2.	A & I Competition Architecture Interior	Mich	Archiworld
3.	Advanced Interior Design (3 Volumes set)	Damdi & Designers	Mehul Publications
4.	Architecture of the Home	Nylander	Wiley
5.	Color in Interior Design	Pile	McGrawhill
6.	Interior Design Illustrated	Ching	Wiley
7.	Interior Planning & Design Project	Scalize	Thomson
8.	Residential Interior Design	Mitton	Wiley
9.	Space Design	Archiworld	Archiworld
10.	Time Saver Standards for Interior Design	Dechiara	McGrawhill

B. List of Major Equipment/ Instrument

Measuring Tape, Digital Camera, Architectural Drafting instruments, computer with software such as AutoCAD and Arch CAD

C. List of Software/Learning Websites

- 1) **Software** - **AUTOCAD**
- 2) **Learning websites** -
 - i. www.home-designing.com
 - ii. www.insideoutside.in/
 - iii. www.youtube.com/watch?v=iIQ6VqFEN0o
 - iv. cept.ac.in/12/faculty-of-design/
 - v. http://en.wikipedia.org/wiki/Interior_design

11. COURSE CURRICULUM DEVELOPMENT COMMITTEE**Faculty Members from Polytechnics**

- **Mr. Bhaskar Iyer**, HOD-Arch. Dept. & I/c Principal, Govt. Polytechnic, Vadnagar
- **Mrs Swati K Shah**, Lecturer in Interior Design, Govt. Polytechnic for Girls, Ahmedabad
- **Mr Nikunj H Patel**, Lect. in Architecture Assistantship, Govt. Polytechnic for Girls, Surat

Coordinator and Faculty Members from NITTTR Bhopal

- **Dr. J.P.Tegar**, Prof. & Head, Dept of Civil & Environment Engineering
- **Dr. S.K. Gupta**, Professor and Coordinator or State of Gujarat.