

SEMESTER - II, YEAR – I

DESIGN STUDIO – I

SR. NO.	COURSE CODE	COURSE TYPOLOGY	NAME OF THE COURSE	L	T	S	CREDIT	EVALUATION									TOTAL MARKS	EXAM DURATION HRS
								THEORY					TOTAL	STUDIO		TOTAL		
								MST	MST	AVG MST	SS	ESUE		IA	EV			
1	BDES 201	STUDIO	DESIGN STUDIO - I	-	-	8	8	0	0	0	0	0	0	150	150	300	300	

INTRODUCTION

To introduce the basics of designing for Residential interiors and to develop skills required for the same.

GUIDELINES

- To develop understanding of the scale, function and options existing when designing small-scale spaces in residences such as toilets, kitchens, living, bedrooms etc.

CONTENT:

- RESIDENTIAL SPACE ORGANIZATION AND PLANNING**
 - KITCHENS**

Planning considerations, area requirement as per anthropometrics , analysis of functions and user different layouts , work triangles , Light and ventilation , chimney outlets , drinking water , storages spaces , elementary knowledge of modular kitchens.

Platforms, materials and their applications ,colors and textures, visual impact.

- TOILETS**

Different types of arrangements , pipe layouts , types of WC , fixing , shower cubical , bath tub , Jacuzzi , wash basin counters, light and ventilations , finishes , maintenance.

- BEDROOMS & LIVING ROOMS**

Furniture layouts, accessories , texture and color psychology , materials, wardrobes , planning guidelines. Light and ventilation

- PRODUCT DESIGNING FOR RESIDENTIAL SPACES** such as crockery items , spoons , knife , pen , pen stand etc.
– single function products

REFERENCE BOOKS

- Designs for 20th century Interiors – Fiona Leolie, VH Publications, London, 2000.
- Interior Design; The New Freedom, Barbara LeDiamonstein, Rizzoli International Publications, New York, 1982.
- Interior Colour by Design, Jonathan Poore, Rockport Publishers, 1994.
- Worldwide Interiors – International Federation of Interior Architects & Designers, Rikuyo-Sha, Japan, 1987.

MATERIALS AND CONSTRUCTION– II

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2	BDES 202	THEORY CUM STUDIO	MATERIALS AND CONSTRUCTION - II	1	1	4	6	20	20	20	20	50	90	60	50	110	200	3

INTRODUCTION

To understand the construction and materials of basic components of a built space .

GUIDELINES

Detailing out the designing and joinery details of doors, windows, partitions.

CONTENT:

CARPENTRY JOINTS

Types of joints , fixing and joinery details

1. TIMBER DOORS AND WINDOWS

Elementary knowledge of types of doors such as Ledged and braced doors, panel doors , sliding and folding , pivoted , revolving , rolling shutters , glazed doors .their technical representation , basics of joinery details
WINDOWS – Casement, fixed, horizontal sliding, vertical sliding, pivoted, and top hung types
Ventilators- top hung, bottom hung, pivoted, louvered, fixed types.

2. WINDOWS IN STEEL AND ALUMINIUM

Details of sliding and openable windows in aluminum and steel frames with glazed panels

3. PARTITIONS

Types of partitions on the basis of function such as fixed, sliding , sliding folding etc , on the basis of materials wood, MDF, Plywood, Particle board , gypsum board etc

4. TECHNIQUES FOR HANDLING WOOD IN PRODUCT DESIGNING , various joining , nailing techniques, scope for different size product manufacturing , detailing out the construction techniques of wooden objects

MATERIALS - FINISHES

Paints- enamels, distempers, plastic emulsions, cement based paints- properties, uses and applications-painting on different surfaces – defects in painting , clear coatings & stains- varnishes, lacquer, shellac, wax polish & stains- properties, uses and applications. Special purpose paints- bituminous, luminous, fire retardant and resisting paints- properties, uses and applications

REFERENCE BOOKS

- S.C Rangwala – engineering materials – Charotar publishing, Anand 1982
- W.B Mckay, building construction, VOL 1-4 , Longmans, u.k 1981
- Laxmi publications Pvt. Ltd., New Delhi, 1993.
- Dr. B.C Punmia , building construction , Laxmi publications Pvt. Ltd., New Delhi, 1993.

REPRESENTATION TECHNIQUE – II

SR. NO.	COURSE CODE	COURSE TYPOLOGY	NAME OF THE COURSE	L	T	S	CREDIT	EVALUATION							TOTAL MARKS	EXAM DURATION HRS		
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3	BDES 203	THEORY CUM STUDIO	REPRESENTATION TECHNIQUE - II	1	1	2	4	20	20	20	20	50	90	60	50	110	200	3

INTRODUCTION

To make student efficient in technical drawing and detailing for the purpose of execution.

UIDELINES

resentation skills, Techniques for Construction as a tool towards effective visualization and presentation.

CONTENT:

1. ISOMETRIC

Complex Isometric views for curved and spherical objects , detailed Isometric views for furniture , rooms , spaces .

2. MEASURED DRAWING

Preparation of Measured drawings for a typical single storey built structure with complete interior and exterior detailing in Plan sections and elevations. Existing product drawings analysis and drafting techniques

3. PERSPECTIVE

Principals of perspectives , one point , two point , three point perspective techniques.
Perspective drawings of different scale projects with interior detailing.

4. SCIOGRAPHY

Principals of shades and shadows, drawing techniques ,sciography of linear and curved objects.

REFERENCE BOOKS

Perspective &Sciography BY Shankar Mulik, Allied Publishers
 Perspective Principles, M.G. Shah & K.M. Kale, Asia Publications, Mumbai
 Geometrical drawing for Art students, I.H. Morris, Orient Longman, Chennai
 Engineering Drawing, M.S. Kumar, D.D. Publications, Chennai

PRESENTATION SKILLS

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4	BDES 204	STUDIO	PRESENTATION SKILLS	-	-	3	3	0	0	0	0	0	0	50	0	50	50	

INTRODUCTION

Imparting skills of the making of complete presentation and the variety of presentation skills.

GUIDELINES

To familiarize students with different types of sketching and rendering mediums , to enhance their drawing presentation ability.

CONTENT:

1. DRAWING AND SKETCHING

Drawing and sketching interior and exterior environments, perspectives drawings , shades and shadows. Visual effects.

2. PEN AND INK RENDERING

Inking and pen techniques for rendering , tracing , structures , interiors , landscape , use and handling of tools

3. RENDERING WITH COLOR MEDIUMS

COLOUR PENCILS AND SKETCH PENS , POSTER/WATER COLOURS
stroke effects, smudge effects etc. transparency effects in water colours – block effects in poster colours

4. PRESENTATION OF THE DESIGN

Panel presentation skills , communication , body language , presentation of the drawing , explanation of the concept and design.

REFERENCE BOOKS:

1. Interior Design Visual Presentation 2nd and 3rd Edition-Maureen Mittom
2. Architects Sketching and Rendering techniques for designers and architects.-Stephen.A.Klimet
3. Architectural Rendering Techniques-A Color Reference-Mike.W.Lin
4. Color Drawing-Design drawing skills & techniques for architects-Michael.E.Doyle.
5. Color Vision-Leo Marvullo
6. Water Color-Hon graham Scholes

HISTORY OF DESIGN – I

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5	BDES 205	THEORY	HISTORY OF DESIGN - I	2	-	-	2	10	10	10	40	50	100	0	0	0	100	3

INTRODUCTION

To provide the student of Interior Design knowledge on various developments in Interior design through ages.

GUIDELINES

- To help the student understand the designs from Prehistoric Period to the middle ages.
- To know more on the Modern Movements in Interior design from the beginnings of 20th century.

CONTENTS :

1. EARLY CLASSICAL PERIOD

Study of Man and its culture from the ancient periods, Pre historic ages , cave paintings development of civilization such as Egyptian , Greek , Roman , Gothic , Early Christian and Renaissance periods . columns, domes , décor in interiors.

2. MIDDLE AGES

Pre renaissance spans , religious themes and cathedral architecture and interiors , tudor homes, Interiors in Romanesque, Gothic, and renaissance periods , Industrial Revolution .

3. COLONIAL TO THE BEGINNING OF THE 20TH CENTURY

Colonial, Victorian designs, Arts & Crafts movement, Art Nouveau, Eclecticism, Frank Lloyd Wright.

4. POST WAR MODERNISM

BAUHAS and Postwar Modernism design movements.
International modernism, regionalism and concerns with vernacular etc. cultural identity and its expression.
Comparative study of interiors all over the world with time frame.
Theory & criticism based on the total knowledge of History.

5. DOCUMENTATION OF DEVELOPMENT OF PRODUCT DESIGN IN VARIOUS AGES - ANALYSIS AND LEARNINGS

REFERENCE BOOKS

1. Interior Design Course, Mary GilliatCoyran, Octopus Ltd., London
2. Interior Design & Decoration, SherrilWhiton, Prentice Hall
3. Interior Design, Francis D.K. Ching, John Wiley & Sons, New York
4. History of Architecture, Sir Banister Fletcher, CBS Publishers & distributors, New Delhi
5. Time Saver Standards for Interior Design, Joseph De Chiara, McGraw Hill, New York.

COMPUTER APPLICATIONS – I

SR. NO.	COURSE CODE	COURSE TYPOLOGY	NAME OF THE COURSE	L	T	S	CREDIT	EVALUATION								TOTAL MARKS	EXAMINATION HRS	
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6	BDES 206	LAB	COMPUTER APPLICATIONS - I	-	-	2	2	0	0	0	0	0	0	50	0	50	50	

INTRODUCTION

To provide the student of Interior Design a foundation in the techniques of drafting using computer as a tool.

GUIDELINES

To help the student understand the technology of computer and its terminology.
To enable the student to understand the applications of the software and graphic system.

CONTENTS:

1. FUNDAMENTALS OF COMPUTERS

Terminology used , Creating icon , short keys.
Introduction to MS Office software , word documents , spreadsheet , Power point

2. AUTOCAD – 2D

Drawing tools , drawing objects , shapes , editing , setting limits , scales
Lettering , Dimensioning , its editing Transparent overlays , Hatching and rendering , symbol library , Layers
Concept of viewport , concept of object linking and editing session

3. INTRODUCTION TO 3-D MODELLING ,

Settings for the drawings , limits , creating objects, transforming objects, modifiers & modifier stack,
Compound objects, hand on viewports, setting of viewports etc.
Lathing, displacement, Boolean operations for both standard and compound primitives, lofting, modeling with lofts, low polygon modeling , different building elements designing, use of default library, and nurbs modeling.
Application of colors and texture Using material editor, material browser, settings of library ,mapping textures , editing of texture files etc

REFERENCE BOOKS

1. V. Rajaraman, principles of Computer Programming – Prentice Hall of India
2. Byron S.Gottfried, Theory and Problems of Programming with C.Schaum's outline series, McGraw Hill Publishing Co.
3. Auto CAD Reference Manual – Autodesk UNC, 1998

SEMESTER TOUR PROJECT

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7	BDES 207	SEMINAR	SEMESTER TOUR PROJECT	-	-	1	1	0	0	0	0	0	0	50	0	50	50	

INTRODUCTION

Semester Break Tours will be conducted in winter semester vacations, documentation of tour will help student to understand various styles and great designer's work of different regions.

GUIDELINES

- A tour report of A-3 size sheets with proper sketches, photographs, and theory documentation of the topic.
- Videos or any other supporting documentation can also be a part of submission as per the requirement.