

# CHHATTISGARH SWAMI VEVEKANAND TECHNICAL UNIVERSITY, BHILAI

Course of Study and Scheme of Examination of Diploma in

INTERIOR DECORATION & DESIGN

SEMESTER - III

S No.	Subject Code	Board of study	Subject	Periods per week			Scheme of Examination					Total marks	Credit L+(T+P) /2
							Theory			Practical			
				L	T	P	ESE	CT	TA	ESE	TA		
1	235311 (35)	IDD	History of Interiors	3	1	-	100	20	20	-	-	140	4
2	235312 (35)	IDD	Specification of Works - IDD	3	1	-	100	20	20	-	-	140	4
3	235313 (35)	IDD	Materials	3	1	-	100	20	20	-	-	140	4
4	235314 (35)	IDD	Interior Construction**-I	3	1	-	100**	20	20	-	-	140	4
5	235315 (35)	IDD	Interior Design*-I	3	1	-	100*	20	20	-	-	140	4
6	216321 (16)	Arch	Computer Application (CADD)-II Lab	2	1	4	-	-	-	50	40	90	5
7	235322 (35)	IDD	Appraisal of Interiors	-	-	3	-	-	-	50	20	70	2
8	235323 (35)	IDD	Interior Construction-I Lab	-	-	3	-	-	-	50	20	70	2
9	235324 (35)	IDD	Interior Design-I Lab	-	-	3				50	20	70	2
<b>TOTAL</b>				17	6	13	500	100	100	200	100	1000	31

L-Lecture, T-Tutorial, P-Practical, ESE-End semester exam, CT-Class Test, TA-Teachers assessment.

\*Theory paper duration 6Hrs.(3Hrs.+1/2 to 1 Hr.Break + 3Hrs.

\*\*Theory paper duration 4Hrs

**CHHATTISGARH SWAMI VIVEKANAND TECHNICAL UNIVERSITY, BHILAI,  
CHHATTISGARH**

- A) SEMESTER : III  
 B) COURSE TITLE : HISTORY OF INTERIORS  
 C) CODE : 235311 (35)  
 D) BRANCH /DISCIPLINE : INTERIOR DECORATION AND DESIGN  
 E) RATIONALE :

To study any subject, the best media of reference is the history .In Interior Design the changes in the trend and fashion are to be carefully studied in view of change in cultural, geographical, sociological, economical and political condition. Since fashion is a continuous process, it is important to study from history the factors, which are responsible for the changes and its impact on the interior design.

**F) TEACHING AND EXAMINATION SCHEME:**

Course code	Periods/week (in hours)			Scheme of examination						Credit [L+(T+P)/2]
	L	T	P	Theory			Practical		Total Marks	
				ESE	CT	TA	ESE	TA		
235311 (35)	3	1	-	100	20	20	-	-	140	4

**G) DISTRIBUTION OF MARKS AND HOURS:**

S.No.	Chapter No.	Chapter Name	Hours	Marks
1.	1.	STUDY OF DESIGNER FURNITURE - I	6	10
2.	2	STUDY OF DESIGNER FURNITURE - II	6	10
3.	3.	A BRIEF INTRODUCTION TO <i>VASTU</i>	6	10
4.	4.	ORIGIN OF INTERIOR DESIGN	6	10
5.	5.	HISTORY OF INTERIOR DESIGN IN WEST	10	10
6.	6.	HISTORY OF INTERIOR DESIGN IN 17 <sup>TH</sup> CENTURY	6	10
7.	7.	HISTORY OF INTERIOR DESIGN IN 18 <sup>TH</sup> CENTURY	6	10
8.	8.	HISTORY OF INTERIOR DESIGN IN 19 <sup>TH</sup> CENTURY	6	10
9.	9.	HISTORY OF INTERIOR DESIGN IN EAST	6	10
10.	10.	HISTORY OF INTERIOR DESIGN IN INDIA	6	10
		TOTAL	64	100

## **H) DETAILED COURSE CONTENTS:**

### **Chapter -1: STUDY OF DESIGNER FURNITURE -I**

- ?? Study of tubular steel chair (Mr. chair), Barcelona chair designed by Ludwig Mies Van Der Rohe in the form of sketches.
- ?? Study of zigzag chair, red blue chair designed by Gerrit Rietveld in the form of sketches.

### **Chapter -2- STUDY OF DESIGNER FURNITURE -II**

- ?? Study of chaise lounge chair and Piamo chair designed by Le Corbusier and Alvar Alto in the form of sketches.

### **Chapter-3-A BRIEF INTRODUCTION TO VASTU**

- ?? Introduction
- ?? The family of the 'Sun'
- ?? Directions & Zones.

### **. Chapter- 4- ORIGIN OF INTERIOR DESIGN:**

- ?? Brief history about the origin of interior design.

### **Chapter- 5- HISTORY OF INTERIOR DESIGN IN WEST:**

Brief history of interior design in west

- ?? Egypt
- ?? Greece
- ?? Rome

### **Chapter-6- HISTORY OF INTERIOR DESIGN IN 17<sup>th</sup> CENTURY**

- ?? Baroque style (in France and England)

### **Chapter- 7- HISTORY OF INTERIOR DESIGN IN 18<sup>th</sup> CENTURY**

- ?? Rococo style (in France , England)
- ?? Neo classical style (in France , England)

### **Chapter- 8- HISTORY OF INTERIOR DESIGN IN 19<sup>th</sup> CENTURY AND MODERN PERIOD**

- ?? Brief History of Interior Design in 19<sup>th</sup> century and in modern period.

### **Chapter- 9- HISTORY OF INTERIOR DESIGN EAST**

Brief history of interior design in east

?? China

?? Japan

## **Chapter- 10- HISTORY OF INTERIOR DESIGN IN INDIA**

?? Brief history of interior design in India from 1947 till date.

### **I) SUGGESTED INSTRUCTIONAL STRATEGIES:**

?? Lecture method

?? Expert lecture.

?? Demonstration- the course can be taught with the help of LCD projectors/ the students will be asked to give presentation of the course content in the form of seminars and slides.

### **J) SUGGESTED LEARNING RESOURCES**

#### **(a)Reference Books:**

<b>S.no.</b>	<b>Title</b>	<b>Author, publisher, Edition &amp; Year</b>
1	Furniture Designed By Architects	Marian page , published in Great Britian by the architectural press ltd.
2	An Introduction To Art , Craft , Technique , Science And Profession Of Interior Design	Ahmed Abdullah Kasu, Iqaira pub. Pvt. Ltd. , Mumbai
3	History Of Interior Design	John pile , Harry m Abrams , New York
4	Hidden Treasure Of Vastu Shastra And Indian Traditions	Derebail Muralidhar Rao,S.B.S.Publishers Distributors, Railway Parallel road, Kumara Park east, Bangalore-560001Iind edition, 1995

#### **(b) Others**

(i) Learning Packages

(ii) Video Teaching

# CHHATTISGARH SWAMI VIVEKANAND TECHNICAL UNIVERSITY, BHILAI, CHHATTISGARH

- A) SEMESTER** : III  
**B) COURSE TITLE** : SPECIFICATION OF WORKS-IDD  
**C) CODE** : 235312 (35)  
**D) BRANCH /DISCIPLINE** : INTERIOR DECORATION AND DESIGN

**E) RATIONALE**

Specification is important part of execution of all types of civil work /interior works. this course content intends to enable the students to understand different types of materials used in civil/interior works. And capable to supervise any type of construction work. the students will be able to-

- 1) Appreciate the importance of material science and specification for items.
- 2) Develop selective ability for the use of materials.
- 3) Acquire skill in writing detailed specification.
- 4) Get practice and refinement in above by repetitive experiences

**F) TEACHING AND EXAMINATION SCHEME:**

Course Code	Periods / Week (In Hours)			Scheme of Examination						Credit L+(T+P)/2
	!Unexpected End of Formula			Theory			Practical		Total Marks	
	L	T	P	ESE	CT	TA	ESE	TA		
235312 (35)	3	1	-	100	20	20			140	4

**G) DISTRIBUTION OF MARKS AND HOURS**

Sl.No.	Chapter No.	Topic	Hours	Marks
1.	1	INTRODUCTION TO SPECIFICATION	8	10
2.	2	SPECIFICATION FOR CONCRETE	8	15
3	3	SPECIFICATION FOR DIFFERENT TYPES OF FLOORING	8	15
4	4	SPECIFICATION FOR TIMBER LINING	8	15
5	5	SPECIFICATION FOR STONE LINING	8	15
6	6	SPECIFICATION FOR DISTEMPERING	8	15
7	7	SPECIFICATION FOR PAINTING AND POLISHING	8	15
8	8	SPECIFICATION FOR LATEST MATERIALS INTRODUCED IN MARKET	8	-*

		MARKET		
<b>TOTAL</b>			64	100

\* Not for Examination.

## **H) DETAILED COURSE CONTENTS:**

### **Chapter-1: INTRODUCTION TO SPECIFICATION**

- ?? Definition of SPECIFICATION
- ?? Types
- ?? Need

### **Chapter-2- SPECIFICATION FOR CONCRETE**

- ?? Detailed Specification for R.C.C. And P.C.C.

### **Chapter -3- SPECIFICATION FOR DIFFERENT TYPES OF FLOORING**

- ?? Detailed specification for different flooring materials like Stone, Ceramic, glass, brick, wood, P.V.C. etc

### **Chapter -4 - SPECIFICATION FOR TIMBER LINING**

- ?? Detailed specification for timber lining in P.O.P, boards, glass etc.

### **Chapter-5-SPECIFICATION FOR STONE LINING**

- ?? Detailed specification for stone lining

### **Chapter -6- SPECIFICATION FOR DISTEMPERING**

- ?? Detailed specification for distempering

### **Chapter -7- SPECIFICATION FOR PAINTING AND POLISHING**

- ?? Detailed specification for painting and polishing

### **Chapter-8: SPECIFICATION FOR LATEST MATERIALS INTRODUCED IN MARKET**

- ?? Detailed specification for latest materials introduced in market

## **I) SUGGESTED INSTRUCTIONAL STRATEGIES:**

- ?? Lecture Method
- ?? Site Visit- students should be aware of the materials and their cost that are introduced in the market.

## J) SUGGESTED LEARNING RESOURCES

### (a) Reference Books:

Sl.No.	Title	Author, publisher, Edition & Year
1	Estimating and costing	B.N.Dutta, UPS Publishers Distribution Ltd., New Delhi
2	Engineering materials	S.C.Rangwala, Charotar Publishing House, Anand.
3	An introduction to art, craft, technique, science, profession of interior design	Ahmed Abdullah kasu, iquira publication pvt. Ltd., mumbai
4	History of interior design	John f. pile, harry m Abrams, newyork

### (b) Others

?? Learning Packages

?? Video Teaching

**CHHATTISGARH SWAMI VIVEKANAND TECHNICAL UNIVERSITY, BHILAI,  
CHHATTISGARH**

- A) **SEMESTER** : III  
 B) **SUBJECT TITLE** : MATERIALS  
 C) **CODE** : 235313 (35)  
 D) **BRANCH / DISCIPLINE** : INTERIOR DECORATION & DESIGN  
 E) **RATIONALE** :

Any design is basically a material expression. All components require different materials and all materials have different properties. Therefore this course is included in this semester to provide necessary knowledge and skill in using appropriate material for purpose. The students are expected to get well versed with qualities, merits and demerits of the material. Through this student will get knowledge and useful information about material characteristics and their appropriateness for use.

- F) **TEACHING AND EXAMINATION SCHEME:** Exam. Time: 3 hours

Course Code	Periods / Week (In Hours) (Teaching Scheme)			Scheme of Examination						Credit L+(T+P)/2
	L	T	P	Theory			Practical		Total Marks	
				ESE	CT	TA	ESE	TA		
235313 (35)	3	1	-	100	20	20	-	-	140	4

- G) **DISTRIBUTION OF MARKS AND HOURS:**

S.No.	Chapter No.	Chapter Name	Hours	Marks
1	1	TIMBER PRODUCTS AND LAMINATES	12	15
2	2	STEEL AND STEEL WORK	4	10
3	3	GLASS-II AND PLASTIC	4	10
4	4	INTERNAL PAINTS	8	10
5	5	DIFFERENT TYPES OF DOORS AND WINDOWS	4	10
6	6	DIFFERENT TYPES OF FLOOR FINISH	8	10
7	7	ACOUSTICS AND THERMAL INSULATION MATERIALS	4	10
8	8	DRAPERY, UPHOLSTERY, TAPESTRY	8	10
9	9	WALL FINISHING (LINING, CLADDING, WALL PAPER)	8	15
10	10	NEW MATERIAL	4	*
		TOTAL	64	100

\* Not for Exam.

- H) **DETAILED CONTENTS:**

## **Chapter -1- TIMBER PRODUCTS AND LAMINATES**

- ?? Different types of timber products
- ?? Uses
- ?? What is laminate
- ?? Advantages of laminate

## **Chapter-2: STEEL AND STEEL WORK**

- ?? Quality
- ?? Types
- ?? Treatment
- ?? Uses

## **Chapter -3- GLASS-II AND PLASTIC**

- ?? Different types.
- ?? Uses

## **Chapter –4-INTERNAL PAINTS**

- ?? Different types of internal paints
- ?? Uses and application

## **Chapter -5- DIFFERENT TYPES OF DOORS AND WINDOWS**

- ?? Materials used for making different types of doors and windows

## **Chapter -6- DIFFERENT TYPES OF FLOOR FINISH**

- ?? Different types of flooring materials

## **Chapter –7-ACOUSTICS AND THERMAL INSULATION MATERIALS**

- ?? Definition
- ?? Different acoustical materials
- ?? Materials used for thermal insulation

## **Chapter -8- DRAPERY, UPHOLSTRY, TAPESTRY**

- ?? Definition
- ?? Different types of materials used

## **Chapter -9- WALL FINISHING (LINING, CLADDING, WALL PAPER)**

- ?? Wall lining
- ?? Cladding
- ?? Different types of wall papers
- ?? Purposes

## **Chapter -10- NEW MATERIAL**

- ?? Different types of new materials introduced in the market - their cost, use, specification etc.

### **D) SUGGESTED INSTRUCTIONAL STRATEGIES:**

- ?? Lecturer Method
- ?? Market Survey – Collection of catalogues, rate list of products
- ?? Demonstration of products -  
Demonstration of new products introduced in the market briefly the products merits and demerits

### **H) SUGGESTED LEARNING RESOURCES**

#### **(a) Reference Books :**

<b>Sl.No.</b>	<b>Title</b>	<b>Author, Publisher, Edition &amp; Year</b>
1	Engineering Material	S.C.Rangwala, Charotar Publishing House, Anand.
2	An introduction to Art, Craft, Technique, Science and Profession of Interior Design	Ahmed Abdullah Kasu, Iqaira Publ. Pvt. Ltd., Mumbai
3	History of Interior design	John F. Pile, Harry m Abrams, New York

#### **(b) Others**

- ?? Learning Packages
- ?? Video Teaching

**CHHATTISGARH SWAMI VIVEKANAND TECHNICAL UNIVERSITY, BHILAI,  
CHHATTISGARH**

- A) **SEMESTER** : III  
 B) **SUBJECT TITLE** : INTERIOR CONSTRUCTION-I  
 C) **CODE** : 235314 (35)  
 D) **BRANCH / DISCIPLINE** : INTERIOR DECORATION & DESIGN  
 E) **RATIONALE** :

The course content aims at providing knowledge for the constructional aspects of interior design that is how the designs can actually be executed with details. The subject intends to develop the skill of construction techniques and presentation of these techniques in making of partition, Doors, Windows, floors etc.

**F) TEACHING AND EXAMINATION SCHEME:**

Course Code	Periods / Week (In Hours) (Teaching Scheme)			Scheme of Examination					Credit L+(T+P)/2	
	L	T	P	Theory			Practical			Total Marks
				ESE	CT	TA	ESE	TA		
235314 (35)	3	1	-	100	20	20	-	-	140	4
235323 (35)	-	-	3	-	-	-	50	20	70	2

**G) DISTRIBUTION OF MARKS AND HOURS:**

Sl.No.	Chapter No.	Chapter Name	Hours	Marks
1	1	METAL DOORS	12	20
2	2	SLIDING DOORS	10	15
3	3	SLIDING FOLDING DOOR	12	20
4	4	METAL WINDOW	10	15
5	5	SLIDING WINDOW	10	15
6	6	SWING & PIVOTED WINDOW	10	15
		TOTAL	64	100

**H) DETAILED CONTENTS:**

**Chapter -1- METAL DOORS:**

- ?? Aluminium door
- ?? Pressed steel door

Complete with plan, elevation, and section, fixing details and catalogues & samples.

## **Chapter-2: SLIDING DOORS**

?? Sliding door single & Double leaf in timber

Complete with plan, elevation, section, Joinery & fixing details.

## **Chapter -3- SLIDING FOLDING DOOR**

?? Top hung sliding folding door in Timber:

(i) Centrally pivoted.

(ii) End pivoted.

Complete with plan, elevation, section, Joinery & fixing details.

## **Chapter -4- METAL WINDOW**

?? Aluminium window.

?? Z-Section M.S. windows

Complete with plan, elevation, section, & fixing details.

## **Chapter -5- SLIDING WINDOW**

?? Double leaf sliding window in aluminium / PVC window.

Complete with plan, elevation, section, & fixing details.

## **Chapter -6- SWING & PIVOTED WINDOW**

?? Swing window

?? Pivoted window

Complete with plan, elevation, section, Joinery & fixing details.

## **D) SUGGESTED INSTRUCTIONAL STRATEGIES:**

?? Lecturer Method

?? Lecturer with media OHP, LCD

?? Expert Lecture

?? Site visit (Under construction)

?? Case study

?? Market survey for collection of catalogues & samples.

## J) SUGGESTED LEARNING RESOURCES

### (a) Reference Books :

Sl.No.	Title	Author, Publisher, Edition & Year
1	Building Construction Vol.I,II,III,IV	Mckay, Orient long man Kolkota.
2	A Text Book of Building Construction	S.P.Arora & Bindra, Dhanpat Rai & Sons, New Delhi.
3	Building Drawing	Shah, Kale, Patki, Tata McGraw Hills
4	Building Construction	Sushil Kumar, Standard Publication Distributors, 1705, B, Nai Sadak, Delhi
5	Building Construction	S.C.Rangwala, Charotar Publications, ANAND
6	Building Construction	B.C.Punmia, Laxmi Publications, New Delhi
7	Building Construction	S.K.Sharma,S.chand & company ltd, New Delhi

### (a) Others

?? Video Programs

?? Learning Packages

## SUBJECT TITLE : INTERIOR CONSTRUCTION-I LAB

**PRACTICAL CODE:** 235323 (35)

**Hours:** 48

### LIST OF PRACTICAL / TUTORIALS:

Plan, Section & Elevations of

- ?? Aluminium section door & Pressed steel door with fixing details.
- ?? Single/ Double leaf sliding door in timber with joinery & fixing details
- ?? Centrally / End pivoted top hung sliding & folding door in timber with joinery & fixing detail.
- ?? Aluminium & Z-section M.S. window with fixing details.
- ?? Double leaf sliding window in Aluminium / PVC with fixing detail
- ?? Swing & pivoted window with joinery detail.

**CHHATTISGARH SWAMI VIVEKANAND TECHNICAL UNIVERSITY, BHILAI,  
CHHATTISGARH**

- A) **SEMESTER** : III  
 B) **SUBJECT TITLE** : INTERIOR DESIGN -I  
 C) **CODE** : 235315 (35)  
 D) **BRANCH / DISCIPLINE** : INTERIOR DECORATION & DESIGN  
 E) **RATIONALE:**

Part of this subject intends to equip the students with concepts and principles of basic design pertaining to interiors. It will develop the skill in elements of design, colour, and texture and in drawing presentation, which are required in planning the interior of residences with environmental considerations.

**F) TEACHING AND EXAMINATION SCHEME:**

Course Code	Periods / Week (In Hours) (Teaching Scheme)			Scheme of Examination						Credit L+(T+P)/2
	L	T	P	Theory			Practical		Total Marks	
				ESE	CT	TA	ESE	TA		
235315 (35)	3	1	-	100	20	20			140	4
235324 (35)			3				50	20	70	2

**G) DISTRIBUTION OF MARKS AND HOURS:**

Sl.No.	Chapter No.	Chapter Name	Hours	Marks
1	1	LIGHT	7	10
2	2*	BASIC DESIGN FOR LIVING UNIT(S) (I)LIVING ROOM (II)KITCHEN (III) MASTER / CHILDREN'S / GUEST BED ROOM	45	60
3	3	PRESENTATION	12	30
		TOTAL	64	100

\* In examination any ONE living unit will be asked

**H) DETAILED CONTENTS:**

## Chapter -1- LIGHT

- ?? Direct Light
- ?? Indirect Light.
- ?? Semi Direct Light
- ?? Its use to create the environment and to create special effect.

## Chapter -2- BASIC DESIGN FOR LIVING UNIT

- ?? Basic Design problem with studies of similar example involving furniture and its spatial distribution with environmental consideration.
- ?? Proposals in the form of Drawing (Plan and sectional elevations only) for the following small living units (any one)
- ?? Study the space provided for circulation / movement.

2.1 Living Room

2.2 Kitchen Room

2.3 Master's/ Children's/ Guest Bed Room

## Chapter -3- PRESENTATION

- ?? Presentation drawing of any one living unit described in chapter 3 in suitable media and technique (i.e. Interior perspective or other view)

### D) SUGGESTED INSTRUCTIONAL STRATEGIES:

- ?? Lecture Method
- ?? Site visit
- ?? Case Lecture
- ?? OHP / LCD PP presentation.

### H) SUGGESTED LEARNING RESOURCES

#### (a) Reference Books:

Sl.No.	Title	Author, Publisher, Edition & Year
1	Interior Design Principles and Practice	M. Pratap rao, standard publishers distributors, 1705-b, nai SARAK, DELHI-110006, 2001
2	An introduction to art, craft, science technique & profession of Interior design	Ahmed Abdullah Kasu, Iqaira Publ. Pvt. Ltd., Mumbai
3	Perspective for Interior Designers	John Pile , Graphic

4	Ernst Neufert Architect's Data	New International edition second @1980 Editor John Thackara , Black well sciences ltd. Osney mead,Oxford OX2 OEL
5	TSS for Interior Designers	Chaira , Panero , Zelnik , Mc Graw Hill New York
6	Interior Design	John Pile , Harry N Adny Publi

**(b) Magzines**

S. no	Name of Magazine / Journals	Period	Publisher	Rate@ Rs.
1	Inside-Outside	Monthly	Business India Group Production Cell 14 <sup>th</sup> Floor, Nirmal, Nariman Point, Mumbai -400021	50/ copy 400/year
2	Architecture + Design	Bio-monthly	Media Transasia India Ltd. K-35, Green Park, New Delhi-110016	125/copy
3	Indian Design & Interiors	Do	Do	50/copy 270/year
4	House layout	Bio-monthly	Quorum Publishing Pvt. Ltd. B-103, Sussex Industrial Estate, Dadoji Konddeo Cross Marg, Byculla, Mumbai-400027	50/Copy
5	Architecture Chhattisgarh	Bio monthly	Indian Institute of Architects Chhattisgarh Chapter, Matruchhaya, Rajbhawan Chauk, Civil Line, Raipur (C.G.)	300/year
6	Society Interiors	Fortnightly		
7	The world of Interiors	Monthly		
8	Better homes & Garden	Monthly		
9	House & Garden	Monthly		

**(c) Others**

- (i) Learning Packages
- (ii) Video Teaching
- (iii) Complete Computer Unit.

**SUBJECT TITLE : INTERIOR DESIGN –I LAB**

**PRACTICAL CODE: 235324 (35)**  
**HOURS 48**

**LIST OF PRACTICAL / TUTORIALS:**

- ?? Practice oriented exercise: magazine / journal containing sketches / photo with write up on ‘Light’
- ?? Proposals in the form of drawing ( plan and sectional elevation only) for the following small living unit :
  - (i) Living Room
  - (ii) Kitchen Room
  - (iii) Master’s / Children’s / Guest Bed Room
- ?? Presentation drawing of any one living unit described above in suitable media and technique ( i. e . Interior perspective or other view )

# CHHATTISGARH SWAMI VIVEKANAND TECHNICAL UNIVERSITY, BHILAI, CHHATTISGARH

**A) SEMESTER** : III  
**B) SUBJECT TITLE** : COMPUTER APPLICATION (COMPUTER AIDED DRAFTING & DESIGNING)-II LAB

**C) CODE** : 216321 (16)

**D) BRANCH / DISCIPLINE:** INTERIOR DECORATION & DESIGN

**E) RATIONALE** :

AUTO CAD is one of such software used for Architectural and Engineering design and drafting. This course is designed for student to get them familiarized with AUTO CAD commands, so that they may be draw automated production drawing with the help of AUTO CAD. Thus a course of computer aided drafting has become highly desirable at diploma level in Architecture & Interior Decoration & Design.

Student did were confined only to the 2 dimensional flat surface, but in our real world what ever we see are 3 dimensional form.

**F) TEACHING AND EXAMINATION SCHEME: -**

Course Code	Periods/Week (In Hours) (Teaching Scheme)			Scheme of Examination						Credit L+(T+P)/2
	L	T	P	Theory			Practical		Total Marks	
				ESE	CT	TA	ESE	TA		
216321 (16)	02	01	04	-	-	-	50	40	90	5

**G) DISTRIBUTION OF HOURS:**

Sl No.	Chapter On.	Chapter Name	Hours
1	1	INTRODUCTION TO 3D DRAWING	3
2	2	INTRODUCTION TO 3D DRAWING IN AUTOCAD	3
3	3	WORKING WITH COMMANDS -I	3
4	4	WORKING WITH COMMANDS -II	6
5	5	WORKING WITH COMMANDS -III	6
6	6	WORKING WITH COMMANDS -IV	6
7	7	WORKING WITH COMMANDS -V	6
8	8	WORKING WITH COMMANDS -VI	6
9	9	WORKING WITH COMMANDS -VII	6
10	10	FINAL PRODUCTION	3
Total			48

## **H) DETAILED COURSE CONTENTS:**

### **Chapter 1- INTRODUCTION TO 3D DRAWING**

- ?? Introduction of different view, Like Isometric view, Axonometric view  
Oblique view and Perspective view

### **Chapter -2- INTRODUCTION TO 3D DRAWING IN AUTOCAD**

- ?? Plan
- ?? Right hand rule
- ?? Co-ordinate system for 3D
- ?? Relative Cylindrical co-ordinate system
- ?? Relative Spherical co-ordinate system
- ?? Types of 3D models
  - \* Wire frame model
  - \* Surface Model
  - \* Solid model

### **Chapter -3 WORKING WITH COMMANDS -I**

- ?? Ddvpoin, Vpoint
- ?? 3DFace
- ?? Hide, 'Elev
- ?? Vports

### **Chapter-4-WORKING WITH COMMANDS –II**

- ?? 3Dpoly, Pedit
- ?? Rulesurf, Tabsurf, Revsurf, Edgesurf
- ?? 3Dmesh, Pedit, Ucs, Ucsicon

### **Chapter-5- WORKING WITH COMMANDS –III**

- ?? Box, Wedge, Cylinder, Cone, Sphere
- ?? Torus, Region,
- ?? Union, Subtract, Intersect, Interfere

### **Chapter-6- WORKING WITH COMMANDS –IV**

- ?? 3Darray, Mirror3D, Rotate3d, Align
- ?? Revolve, Extrude, Slice,
- ?? Fillet, Chamfer,

### **Chapter-7- WORKING WITH COMMANDS –V**

- ?? Solidedit
- ?? Dview

### **Chapter-8- WORKING WITH COMMANDS –VI**

?? Shade, Render, Light, Scene

?? Fog, Background, Rpref

?? Matlib

### **Chapter-9- WORKING WITH COMMANDS –VII**

?? Rmat, Setuv, Lsnew,Lsedit,Lslib

?? Image, Imageattach, Imageadjust

?? Imageclip, Transparency, Draw order

?? Export, Import

### **Chapter-10- FINAL PRODUCTION**

?? Work on given sketch

?? Taking printout 3d models

#### **I) SUGGESTED INSTRUCTIONAL STRATEGIES:**

?? Lecture Method

?? Expert Lecture, Demonstration of work of Expert

?? Demonstration

(i) Demonstration of work of Expert

(ii) Demonstration of various graphics packages.

(iii) Demonstration of at least four drawings illustrating the potential of AUTOCAD.

#### **J) SUGGESTED LEARNING RESOURCES.**

##### **(a) Reference Books:**

<b>Sl. No.</b>	<b>Title</b>	<b>Author, Publisher, Edition &amp; Year</b>
1.	Mastering AutoCAD 2004 and AutoCAD LT 2004	George Omura,BPB Publications,B- 14,Cannaught Place, New Delhi- 1
2.	Bible AutoCAD 2004	Ellen Finkelstein,IDG Books India (P) Ltd. New Delhi- 110002
3.	1000 AutoCAD Tips and tricks	George O Head,Jan Doster Head,Comdex, Daryaganj, New Delhi.

##### **(c) Others**

(i) Learning Packages

(ii) Video Teaching

(iii) Complete Computer Unit.

**SUBJECT TITLE:                   COMPUTER APPLICATION (COMPUTER AIDED DRAFTING & DESIGNING)-II LAB**

**PRACTICAL CODE: 216321 (16)**  
**HOURS: 64**

**LIST OF PRACTICALS / TUTORIALS:**

- ?? 10 Drawings of Simple Geometrical objects. (With special reference to Interior Construction)
- ?? 5 Drawing of room.
- ?? 1 Coloured Presentation Drawing
- ?? At least one drawing of any Living unit (With special reference to subject Interior Design)

# CHHATTISGARH SWAMI VIVEKANAND TECHNICAL UNIVERSITY, BHILAI, CHHATTISGARH

- A) **SEMESTER** : III  
 B) **SUBJECT TITLE** : APPRAISAL OF INTERIORS  
 C) **CODE** : 235322 (35)  
 D) **BRANCH/DISCIPLINE** : INTERIOR DECORATION & DESIGN  
 E) **RATIONALE** :

This subject is introduced to reinforce the students' concept and principles of basic design pertaining to interiors. It will add to their knowledge and skills with respect to interior elements of design, colour, texture, anthropometrics and planning of small interior spaces through appraisal the students will be able to analyse in a better way the positive & negative points of the given interior space / project. .

**F) TEACHING AND EXAMINATION SCHEME:**

Course Code	Periods / Week (In Hours) (Teaching Scheme)			Scheme of Examination						Credit L+(T+P)/2
	L	T	P	Theory			Practical		Total Marks	
				ESE	CT	TA	ESE	TA		
235322 (35)	-	-	3	-	-	-	50	20	70	2

**G) DISTRIBUTION OF MARKS AND HOURS:**

Sl.No.	Chapter No.	Chapter Name	Hours	Marks
1	1	STUDY OF PHOTOGRAPHS	18	20
2	2	STUDY OF ARTICLES	30	30
		TOTAL	48	50

**H) DETAILED CONTENTS:**

**Chapter -1- STUDY OF PHOTOGRAPHS**

?? Study of photographs from magazines related to art form & giving reasons regarding the emphasis on contain elements through their size, shape, form, texture etc

**Chapter-2: STUDY OF ARTICLES**

?? Study of articles from magazines & site visits, remarks/ Opinions regarding the same (Study has to be done with presentation)

**D) SUGGESTED INSTRUCTIONAL STRATEGIES:**

- ?? Lecturer Method
- ?? Market/ Site visit
- ?? Expert Lecture
- ?? Demonstration

## **J) SUGGESTED LEARNING RESOURCES**

**(a) Magazines** (Same as above Subject Interior Design-I Sem. III)

**(b)Others**

- (i)Video Programs
- (ii)Learning Packages
- (iii)Computer with Internet facilities
- (iv)Television
- (v)Charts

### **LIST OF PRACTICAL / TUTORIALS:**

- ?? Educational Tour to study Historical / contemporary interiors, technology, landscape, man made environment.
- ?? Assignment project for appraisal of interiors should be submitted in form of photograph / slides / sketches presented in the form of seminar & report. The student should submit the sessional in the form of file/ sketch. with special reference to the subject 'History of Interior'