

CHHATTISGARH SWAMI VEVEKANAND TECHNICAL UNIVERSITY, BHILAI

Course of Study and Scheme of Examination of Diploma in ARCHITECTURE

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	ES E	TA		
1	216311 (16)	Archite cture	History of Architecture	3	1	-	100	20	20	-	-	140	4
2	216312 (16)	Archite cture	Specification of Works - Architecture	3	1	-	100	20	20	-	-	140	4
3	216313 (16)	Archite cture	Building Materials-II	3	1	-	100	20	20	-	-	140	4
4	216314 (16)	Archite cture	Building Construction **-II	3	1	-	100	20	20	-	-	140	4
5	216315 (16)	Archite cture	Design*-I	3	1	-	100	20	20	-	-	140	4
6	216321 (16)	Archite cture	Computer Application (CADD)-II Lab	2	1	4	-	-	-	50	40	90	5
7	216322 (16)	Archite cture	Architecture appreciations Lab	-	-	3	-	-	-	50	20	70	2
8	216323 (16)	Archite cture	Building Construction- II Lab	-	-	3	-	-	-	50	20	70	2
9	216324 (16)	Archite cture	Design-I Lab	-	-	3				50	20	70	2
			TOTAL	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

**CHHATTISHGARH SWAMI VIVEKANAND TECHNICAL
UNIVERSITY, BHILAI**

- A) SEMESTER** : III
B) COURSE TITLE : HISTORY OF ARCHITECTURE
C) CODE (Theory) : 216311 (16)
D) BRANCH / DISCIPLINE: ARCHITECTURE
E) RATIONALE :

Past experience always cautions, provides guidelines, lays opportunities to do the things for present and future. Thus for the area of architecture also study of history becomes essential. The course provides inputs on the planning; construction and adornment have various historical examples on the basis of style.

The course aims at developing analytical trend of thinking together with presentation abilities. This learning experience also develops thinking and imagination of three-dimensional structures in totality and in sections, which is absolutely essential for gaining design capabilities.

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		
216311 (16)	3	1	-	100	20	20	---	---	140	4

G) DISTRIBUTION OF MARKS AND HOURS:

S.NO.	CHAPTER NO.	CHAPTER NAME	HOURS	MARKS
1.	1.	ISLAMIC ARCHITECTURE -I	6	10
2.	2.	ISLAMIC ARCHITECTURE -II	6	10
3.	3.	ISLAMIC ARCHITECTURE -III	5	10
4.	4.	ISLAMIC ARCHITECTURE -IV	5	10
5.	5.	ISLAMIC ARCHITECTURE -V	5	10
6.	6.	ISLAMIC ARCHITECTURE -VI	5	10
7.	7.	ANCIENT EUROPEAN ARCHITECTURE	8	10
8.	8.	WESTERN ARCHITECTS	8	10
9.	9.	INDIAN ARCHITECTS	8	10
10.	10.	INTRODUCTION TO VASTU SHASHTRA	8	10
TOTAL			64	100

H) DETAILED COURSE CONTENTS:

Chapter: 1:Islamic Architecture –I

?? Characteristic Feature Of Islamic Architecture (Jami Masjid, Madarsah, Rauza, The Dome, Arabesque)

Chapter: 2: Islamic Architecture -II

- ?? Jami Masjid – new Delhi
- ?? Red fort – Delhi. (Only planning aspect will be highlighted with some sketches)

Chapter: 3: Islamic Architecture –III

- ?? Qutub Minar (Elevation & Proportion)
- ?? Tomb of Humayun (Elevation & Proportion)

Chapter: 4: Islamic Architecture -IV

- ?? History behind Taj Mahal
- ?? Study of Elevation including Proportion. (With sketches)
- ?? Plan of Taj Mahal. (Including site plan)

Chapter: 5: Islamic Architecture -V

- ?? Sections of Taj.
- ?? View of Taj.
- ?? Construction method & finishes
- ?? Taj mahal as a song of love
- ?? Taj mahal as a beauty of India

Chapter: 6: Islamic Architecture -VI

- ?? Buland Darwaja at Fatehpur Sikri. (Study of proportions)
- ?? Golgumbaz at Bijapur. (Study of proportions)

Chapter: 7: Ancient European Architecture

- ?? St. Peter Rome.
- ?? St. Paul cathedral, London.

Chapter: 8: Western Architects

- ?? Le Corbusier
- ?? F. L. Wright
- ?? L. I. Khan
- ?? The work of architects will be taught through discussions and seminar.
(Minimum one work of above each architect will be described)

Chapter: 9: Indian Architects

- ?? Charles Correa
- ?? B.V.Doshi
- ?? Raj Rewal
- ?? The work of architects will be taught through discussions and seminar.
(Minimum one work of above each architect will be described)

Chapter: 10: Introduction To Vastu Shastra

- ?? Basic knowledge of orientation.
- ?? Important of orientation.
- ?? Sun path and air direction in Vastu Shasta
- ?? Vastu for commercial complex, offices. (Only the architectural and scientific part will be taught, the religion and other factor will be avoided)

I) INSTRUCTIONAL STRATEGIES:

- ?? Lecture method.
- ?? Demonstration of slides and film on related topics.
- ?? Regular Historical site visits. (Minimum two)

J) LEARNING RESOURCES:

(a)Reference books:

S.No.	Title	Author, Publisher, Edition & Year
1.	A history of architecture	Sir Banister Fletcher, CBS Publisher & distributors, Delhi.
2.	Indian architecture	Percy Brown, D. B. taraporevala sons &co. pvt. Ltd.
3.	World architecture	G. K. hirashkar, Dhanpat Rai & Sons.Delhi
4.	Muslim architecture	Satish Grover,
5.	Vaastu Shilp Shaastra	D.Muralidhar Rao, SBS Publisher Distributers, Thunga complex, Gandhi Nagar, Bangalore-560009

(b)Others

- (i) LCD projector.
- (ii) OHP transparencies.
- (iii) Video / Audio Teaching.
- (iv) Computer Unit.

**CHHATTISGARH SWAMI VIVEKANAND TECHNICAL
UNIVERSITY, BHILAI**

- A) SEMESTER : III**
B) SUBJECT TITLE : SPECIFICATION OF WORKS- Architecture
C) CODE (Theory) : 216312 (16)
D) BRANCH / DISCIPLINE : ARCHITECTURE
E) RATIONALE :

Specification is important part of execution of all types of civil/interior works. This course 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 also be able to develop the following skills:-

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

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		
216312 (16)	3	1	-	100	20	20			140	4

G) DISTRIBUTION OF MARKS AND HOURS:

SL.NO.	CHAPTER NO.	CHAPTER NAME	HOURS	MARKS
1	1	SPECIFICATION	5	10
2	2	PLAIN CEMENT CONCRETE	5	05
3	3	BRICK AND STONE MASONRY	8	15
4	4	REINFORCED CEMENT CONCRETE	8	10
5	5	PLASTERING	5	10
6	6	WOOD WORK	7	05
7	7	STEEL WORK	7	10
8	8	FLOORING & FINISHING	7	15
9	9	PAINTING	5	10
10	10	ELECTRICAL AND SANITARY WORKS	7	10
TOTAL			64	100

H) DETAILED CONTENTS:

Chapter -1- Specification

- ?? Definition
- ?? Type

- ?? Necessity
- ?? Examples
- ?? Specification for Earthwork.

Chapter-2: Plain Cement Concrete

- ?? Detail specification of P.C.C and damp proof course

Chapter -3- Brick And Stone Masonry

- ?? Detail specification

Chapter -4- Reinforced Cement Concrete

- ?? Detail specification

Chapter -5- Plastering

- ?? Detail specification
- ?? Different types of plastering

Chapter -6- Wood Work

- ?? Detail specification for various wooden works like doors ,windows etc.

Chapter -7- Steel Work

- ?? Detail specification
- ?? Fabrication

Chapter -8- Flooring And Finishing

- ?? Different types of flooring and their specification

Chapter -9- Painting

- ?? Detail specification for painting on different surfaces

Chapter -10- Electrical And Sanitary Works

- ?? Different types of fitting and fixtures

D) SUGGESTED INSTRUCTIONAL STRATEGIES:

- ?? Lecturer Method
- ?? Site visit

H) 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	Estimating and costing	S.C.Rangwala, Charotar Publishing House, Anand.
3	An Introduction to Art, Craft, Technique science and profession of Interior Design	Ahmed Abdullah kasu,iqira publication pvt. Ltd.,mumbai

b)Others

(i) LCD projector.

(ii) OHP transparencies.

(iii) Video / Audio Teaching.

(iv) Computer Unit.

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

- A) SEMESTER : III**
B) SUBJECT TITLE : BUILDING MATERIALS-II
C) CODE (Theory) : 216313 (16)
D) BRANCH / DISCIPLINE : ARCHITECTURE
E) RATIONALE :

Any design is basically a material expression. All components require different material 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 appropriate purpose. The students are expected to become well versed with qualities, merits and demerits of the material. Through this students will get knowledge, useful information about material characteristics and their appropriate use.

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		
216313 (16)	3	1	-	100	20	20	-	-	140	4

G) DISTRIBUTION OF MARKS AND HOURS:

SL.NO.	CHAPTER NO.	CHAPTER NAME	HOURS	MARKS
1	1	CEMENT CONCRETE	8	15
2	2	STEEL	7	10
3	3	PLASTIC	6	10
4	4	GLASS-II	6	10
5	5	INTERNAL PAINTS	6	10
6	6	DIFFERENT MATERIALS FOR DOOR/WINDOW	6	15
7	7	MATERIAL FOR CEILING, ACOUSTICS AND WALL LINING	6	10
8	8	THERMAL INSULATION MATERIAL, TECHNIQUE	6	10
9	9	TIMBER PRODUCT	7	10
10	10	LATEST BUILDING MATERIAL*	6	-
TOTAL			64	100

*-No question will be asked from chapter 10 in the examination

H) DETAILED CONTENTS:

Chapter –1: Cement Concrete

?? Comparison with stone, quality, property, strength, test.

Chapter-2: Steel

?? Composition, property, quality, treatment given, products and uses

Chapter: 3- Plastic

?? Property, production, types, uses

Chapter –4:Glass-II

?? Types, uses

Chapter –5: Internal Paint

?? Ingredient, property, application, defects

Chapter-6: Different Materials for Door / Window

?? Various Materials used for door and window

Chapter-7: Material for Ceiling, Acoustics and Wall Lining

?? Materials, Property, Method, Necessity

Chapter-8: Thermal Insulation Material, Technique

?? Materials property, different, method of thermal insulation

Chapter-9: Timber Product

?? Different product, uses, details

Chapter-10: Latest Building Material

?? Various materials available in market

D) INSTRUCTIONAL STRATEGIES:

- ?? Lecturer Method
- ?? Market visit/survey
- ?? Demonstration of different materials

H) LEARNING RESOURCES

(a) Reference Books:

Sl.No.	Title	Author, Publisher, Edition & Year
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 publication pvt. Ltd.,mumbai

b) Others

- (i) LCD projector.
- (ii) OHP transparencies.
- (iii) Video / Audio Teaching.
- (iv) Computer Unit.

**CHHATTISHGARH SWAMI VIVEKANAND TECHNICAL
UNIVERSITY, BHILAI**

- A) SEMESTER** : III
B) COURSE TITLE : BUILDING CONSTRUCTION-II
C) CODE (Theory) : **216314 (16)**
D) BRANCH / DISCIPLINE: ARCHITECTURE
E) RATIONALE :

This course aims at providing necessary input regarding timber door, metal door 7 windows and timber floor. This content of the course is selected considering the level of learning and its suitability for further levels. Emphasis is laid not only on understanding the theory of various components of the building but also on its drafting and presentation.

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		
216314 (16)	3	1		100	20	20			140	4
216323 (16)	-	-	3	-	-	-	50	20	70	2

G) DISTRIBUTION OF MARKS AND HOURS:

S.NO.	CHAPTER NO.	CHAPTER NAME	HOURS	MARKS
1.	1.	TIMBER DOOR –I	7	10
2.	2.	TIMBER DOOR-II	7	10
3.	3.	METAL DOOR	6	10
4.	4.	METAL WINDOW	6	10
5.	5.	LOUVERED WINDOW AND VENTILATOR	6	10
6.	6.	STAIRCASE	6	10
7.	7.	TIMBER FLOOR-I	7	15
8.	8.	TIMBER FLOOR-II	7	15
9.	9.	THRESHOLD	6	10
10.	10.	ALUMINIUM SECTION	6	-
		TOTAL	64	100

*-No question will be asked from chapter 10 in the examination

H) DETAILED COURSE CONTENTES:

Chapter 1: Timber Door-I

?? Single and double leaf sliding door in timber

Chapter 2: Timber Door-II

?? Top hung sliding folding door in timber

- a) Centrally pivoted
- b) End pivoted

Chapter 3: Metal Door

?? Metal door using pressed steel sections

Chapter 4: Metal Window

?? Metal window using pressed steel sections

?? Metal window using Z-sections

Chapter 5: Louvered Window And Ventilator

?? Wooden framed louvered window and ventilator

Chapter 6: Staircase

?? Single flight timber staircase

Chapter 7: Timber Floor – I

?? Single timber floor (ground floor)

Chapter 8: Timber Floor – II

?? Single timber floor (first floor)

Chapter 9: Threshold

?? Detailed section, plan of threshold

Chapter 10: Aluminium Sections

(Not for examination)

?? Aluminium door, window and partition

I) SUGGESTED INSTRUCTIONAL STRATEGIES:

?? Lecture method

?? Site visits

?? Demonstration: The course shall be taught by demonstrating the construction techniques and its details in laboratory

?? Use of recent technologies like use of OHP (overhead projector), LCD projector etc for demonstration.

J) SUGGESTED LEARNING RESOURCES

a) Reference Books:

S.No.	Title	Author and Publisher
1.	Building Construction Vol. - IV	McKay WV, Orient Longman
2.	Text Book of Building Construction	S.P.Arora&Bindra, Dhanpat Rai &sons, NewDelhi
3.	Building Construction	S.C.Rangwala, Charottar Publication, Anand
4.	Building Construction	Sushil Kumar, standard publication and distributors, Nai Sarak, New Delhi
5.	Building Construction	B.C.Punamia, Laxmi Publication, New Delhi

- b)Others
(i) LCD projector.
(ii) OHP transparencies.
(iii) Video / Audio Teaching.
(iv) Computer Unit.

COURSE TITLE : BUILDING CONSTRUCTION-II, Lab

PRACTICAL CODE: 216323 (16)

TOTAL HOURS: 32

LIST OF PRACTICALS / TUTORIALS:

- ?? Plan, elevation, section and details of single and double leaf sliding door in timber
- ?? Plan, elevation, section and details of centrally pivoted and end pivoted sliding folding door in timber
- ?? Plan, elevation, section and details of metal window using Z- section
- ?? Plan, elevation, section and details of metal door using pressed steel
- ?? Plan, elevation, section and details of single flight timber staircase
- ?? Plan, elevation, section and details of single ground floor in timber
- ?? Plan, elevation, section and details of single first floor in timber
- ?? Plan, elevation, section and details of louvered window and ventilator
- ?? Plan, elevation, section and details of threshold
- ?? Plan, elevation, section and details of aluminium partition and door

**CHHATTISGARH SWAMI VIVEKANAND TECHNICAL
UNIVERSITY, BHILAI**

A) SEMESTER	: III
B) COURSE TITLE	: DESIGN-I
C) CODE (Theory)	: 216315 (16)
D) BRANCH /DISCIPLINE	: DIPLOMA IN ARCHITECTURE
E) RATIONALE	:

Any architectural design emerges from the application of principals of basic design and detailed study of transition spaces. This course content aims at providing this prerequisite as an input to develop design capabilities.

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		
216315 (16)	3	1	-	100	20	20	-	-	140	4
216324 (16)	-	-	3	-	-	-	50	20	70	2

G) DISTRIBUTION OF MARKS AND HOURS

S.NO.	CHAPTER NO.	TOPIC	HOURS	MARKS
1.	1	APPLICATION OF PRINCIPLES OF BASIC DESIGN IN ARCHITECTURAL DESIGN	20	-
2.	2	STUDY OF TRANSITIONAL SPACES IN BUILDINGS	08	-
3.	3	BUILDING DESIGN*	36	
TOTAL			64	100

?? In ESE (theory) problem to be framed only from chapter 3,chapter 1 and 2 will be given 50% weightage in ESE (practical)

H) DETAILED COURSE CONTENTS:

?? Chapter-1: Application of Principles of Basic Design in Architectural Design

Application of the principles of basic design like form colour, texture etc. in architectural design of a small unit like Kiosk / Bus Shelter / Telephone Booth / Information Centre / Reception Booth / Police Assistance Booth / Day Shelter Etc.

?? Chapter-2: Study of Transitional Spaces in a Building

Study of transitional spaces like verandah, porch, entrance corridor, stairs and lifts through books magazines and site visits. These should be studied on following aspects-

- Location
- Types of spaces
- Structure
- Aesthetic values

?? Chapter-3: Building Design

Design of A Residence /Fast Food Centre / Small Clinic etc. Using Design elements and other requirements like light and ventilation in the following process

- Literature study
- Building design to be done by following methods:
 - ?? Space relationship and analysis of movement using bubble diagram and flow charts
 - ?? Plans elevations, sections, views and model if assigned.

D) SUGGESTED INSTRUCTIONAL STRATEGIES:

- ?? Lecture Method
- ?? Case Studies: For The Given Design Project Case Study Shall Be Done By The Following Method:
 - Site Visit
 - Literature Study-Literature Study For The Given Project To Be Done Through Books And Magazines Etc.
- ?? Presentation Drawings can be prepare by AutoCAD Etc.

J) SUGGESTED LEARNING RESOURCES

(a) Reference Books:

S.No.	Title	Author and publisher
1	Ernst neufert architecture data	Jones Vincent, black
2	Time saver standard (building type)	Joseph de chiara and johahancock publisher McGraw Hill Publication, Singapore
3	The Thames and Hudson Manual of Rendering with pen and ink	Gill Robert, Thames and Hudson Ltd., London

(b) Journals:

S.No.	Title	Publisher
1	Architecture and Design	Mediatransasia (p), 219,Tulsia chambers, 212 Nariman Point, Bombay-400021
2	Inside Outside	10,Pearl Mansion, 5 th floor,91 Maharshi Karve Road,Mumbai-400020

(c)Others

- (i) LCD projector.
- (ii) OHP transparencies.
- (iii) Video / Audio Teaching.
- (iv) Computer Unit.

COURSE TITLE

: DESIGN-I, Lab

PRACTICAL CODE: 216324 (16)

TOTAL HOURS: 32

LIST OF PRACTICALS/TUTORIALS:

- ?? Prepare plan, elevation and section of any one small unit mentioned in chapter I of detailed course content using different presentation techniques.
- ?? Prepare model for small unit mentioned in chapter-I of detailed course content using suitable material.
- ?? Prepare following drawing for any one design given from chapter-ii of detailed course content:
 - Prepare plan(s), elevation(s), section(s) and view.
 - Model to be prepared in suitable material if assigned.

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

- A) SEMESTER** : III
B) SUBJECT TITLE : COMPUTER APPLICATIONS (CADD)-II , Lab
C) CODE (Lab) : 216321 (16)
D) BRANCH / DISCIPLINE: ARCHITECTURE

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 (Theory)	HOURS (Lab)
1	1	INTRODUCTION OF 3D	3	5
2	2	INTRODUCTION TO 3D DRAWING IN AUTOCAD	3	6
3	3	WORKING WITH COMMANDS -I	3	5
4	4	WORKING WITH COMMANDS -II	6	8
5	5	WORKING WITH COMMANDS - III	6	7
6	6	WORKING WITH COMMANDS - IV	6	7
7	7	WORKING WITH COMMANDS – V	6	7
8	8	WORKING WITH COMMANDS – VI	6	7
9	9	WORKING WITH COMMANDS – VII	6	7
10	10	FINAL PRODUCTION	3	5
TOTAL			48	64

H) DETAILED COURSE CONTENTS:

Chapter 1- Introduction of 3D

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

Chapter -2- Introduction of 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

- ?? Ddvpoint, 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, Iterfere

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, Draworder
- ?? 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:

Sl No.	Title	Author, Publisher, Edition & Year
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.

b)Others

- (i) LCD projector.
- (ii) OHP transparencies.
- (iii) Video / Audio Teaching.
- (iv) Computer Unit.

LIST OF PRACTICALS / TUTORIALS:

- ?? 10 Drawings of Simple Geometrical objects.
- ?? 5 Drawing of room.
- ?? 1 Coloured Presentation Drawing
- ?? At least one drawing of any Residence, Restaurant etc.

**CHHATTISHGARH SWAMI VIVEKANAND TECHNICAL
UNIVERSITY, BHILAI**

- A) SEMESTER** : III
B) COURSE TITLE : ARCHITECTURE APPRECIATIONS, LAB
C) CODE : 216322 (16)
D) BRANCH / DISCIPLINE: ARCHITECTURE

E) RATIONALE :

This subject is introduction to develop ability to observe and appreciate built environment in terms of configuration aesthetics composition, scale proportions characteristics features detail and communicate the same in form of rendered sketches and scaled drawings.

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		
216322 (16)	-	-	3	-	-	-	50	20	70	2

G) DISTRIBUTION OF HOURS:

S.NO.	CHAPTER NO.	CHAPTER NAME	Hours
1.	1.	REPRODUCTION OF SKETCHES	
2.	2.	ON THE SPOT SKETCHING AND RENDERING	
3.	3.	REGIONAL ARCHITECTURE-I	
4.	4.	REGIONAL ARCHITECTURE-II	
Total			48

H) DETAILED CONTENTS:

Chapter: 1:Reproduction Of Sketches

?? Reproduction of sketches of historical buildings from the subject of History of Architecture and rendered them in pen and ink, pencils, transparent water colours.

Chapter: 2:On The Spot Sketching And Rendering

?? On the spot sketching and rendering of historical and contemporary building to show texture, shades characteristic of building by visiting sites of Chhattishgarh Region in-group along with teacher, as per following break up.

One or two historical building of any one place from Sirpur, Ratanpur, Pali, Kawardha etc.

One or two contemporary buildings

One measured drawing of or part of a historical or contemporary building by visiting any site along with the teacher in a camp.

(Architecture Of Chattisgarh)

- ?? Lakchhaman temple at Sirpur.
- ?? Viharah of Sirpur.
- ?? Ancient temple of Ratanpur, Pali, Kawardha etc & study of any contemporary building.

D) SUGGESTED INSTRUCTIONAL STRATEGIES:

- ?? Lecture method.
- ?? Demonstration of slides and film on related topics.
- ?? Regular site visits. (Minimum two)

J) SUGESSTED LEARNING RESOURCES:

a) Reference books:

S.No.	Title	Author, Publisher, Edition & Year
1.	A history of architecture	Sir Banister Fletcher, CBS Publisher & distributors, Delhi.
2.	Indian architecture	Percy Brown, D. B. taraporevala sons &co. pvt. Ltd.
3.	World architecture	G. K. hirashkar, Dhanpat Rai & Sons.Delhi
4.	Muslim architecture	Satish grover,

b) Others

- (i) LCD projector.
- (ii) OHP transparencies.
- (iii) Video / Audio Teaching.
- (iv) Computer Unit.

LIST OF PRACTICALS / TUTORIALS:

1. Exercise in sketches of historical building from books.
2. Exercise in sketches of contemporary building from books.
3. On the spot sketches on historical building.
4. Sketches of contemporary building