



CHHATTISGARH SWAMI VIVEKANAND TECHNICAL UNIVERSITY, BHILAI

**Course of Study and Scheme of Examination of Diploma First Semester (2005-06) in
ARCHITECTURE and INTERIOR DECORATION & DESIGN Branches of Engineering.**

S. No	Subject Code	Board of Study	Subject	Periods Per Week			Scheme of Examination					Total Marks	Credit [L+[T+P] 2
				L	T	P	Theory			Practical			
							ESE	CT	TA	ESE	TA		
1	200111 (46)	Humanities	Communication Skill-I*	3	1	-	100	20	20	-	-	140	4
2	216112 (16)	Architecture	Visual Art Appreciation	3	1	-	100	20	20	-	-	140	4
3	216113 (16)	Architecture	Graphics-I	3	1	-	100	20	20	-	-	140	4
4	216114 (16)	Architecture	Basic Design	3	1	-	100	20	20	-	-	140	4
5	216115 (16)	Architecture	History of Design	2	1	-	100	20	20	-	-	140	3
6	216121 (16)	Architecture	Visual Art Appreciation Lab	-	-	3	-	-	-	50	20	70	2
7	216122 (16)	Architecture	Graphics-I Lab	-	-	3	-	-	-	50	20	70	2
8	216123 (16)	Architecture	Basic Design Lab	-	-	3	-	-	-	50	20	70	2
9	216124 (16)	Architecture	History of Design Lab	-	-	2	-	-	-	-	10	10	1
10	216125 (16)	Architecture	Workshop (Practical)	2	-	4	-	-	-	40	40	80	4
			Total	16	05	15	500	100	100	190	110	1000	30

FIRST SEMESTER

* Same as other engineering Branches (C.M.E.ETE, CS., IT.)

L - Lecturer,
ESE - End Semester Exam,

T - Tutorial, P - Practical,
CT - Class Test, TA - Teachers Assessment

**CHHATTISGARH SWAMI VIVEKANAND TECHNICAL
UNIVERSITY, BHILAI**

Semester – 1st Semester

SUBJECT - COMMUNICATION SKILL-I

Code 200111(46)

Branch / Discipline - Computer Science & Engineering / Electronics & Telecommunication / Information Technology / Civil / Mechanical / Electrical / Metallurgy/ Costume Design & Dress Making / Modern Office Management / Architecture/ Interior Decoration & Design / Instrumentation / Mining & Mine Surveying

Minimum Number of class tests to be conducted -2

SCHEME OF STUDY

S.No.	Topic	No. of Hours / Period of Study	Marks Allotted
		Theory	
1.	Passages for comprehension	16	30
2.	Short Stories	08	15
3.	Applied Grammar	16	25
4.	Letter Writing	08	20
5.	Report Writing	08	10
	TOTAL	56	100

Note: For spoken English integrated approach may be adopted .

COURSE CONTENTS

S.No.	Topics	Sub Topic
	Section -A	
1.	Passage for Comprehension	(1)Language of Science (2) Robotic Revolution (3) Designing a Car (4)New Wonders of camera (5)Non-conventional sources of Energy (6)Our Environment (7)Enterpreneurship (8)Safety practices
2.	Short-Stories	(1)Selfish Giant-Oscar Wilde (2)A Letter to God-Gregario Lapex Y-Fuentes An astrologer's Day –R.K. Naragyan

3.	Applied Grammar	(1)Determiners (2)Auxiliaries (3)Tenses (4)Conditional (5)Passive (6)Prepositions (7)Subject-verb Agreement (8)Clauses & Connectors
SECTION-B		
4.	Letter Writing	(1)Application (For Job/Leave) (2)Letter of Enquiry and replies (3)Letter for Order Placement (4)Letter of Complaints (To Editor/ Appropriate Authorities)
5.	Report Writing	(1)Writing Progress – Report of a job (2)General outline for preparing A Project Report.

LIST OF REFERENCE BOOKS

- 1.Communication Skill for Teaching Students Book-I. M/s Somaiya Publications. Pvt. Ltd., Bhopal.
- 2.Living English Structure –W.S. Allen
- 3.Practical English Grammar (Exercises I by Thomson & Martinet)
- 4.English conversation practice by Grant Taylor.

**CHHATTISGARH SWAMI VIVEKANAND TECHNICAL
UNIVERSITY, BHILAI**

Semester – 1st Semester

SUBJECT -VISUAL ART APPRECIATION

Theory Code –216112(16)

Branch / Discipline –Architecture/ Interior Decoration & Design

Minimum number of class tests to be conducted – 2

SCHEME OF STUDY

S. No.	Chepter	No. of Hours / Periods		Total No. of Hours/ Periods	Marks Allotted
		Theory	Practical		
1.	Drawing equipment	06	04	10	10
2.	Elements of design	06	04	10	10
3.	Principles of Design	06	04	10	10
4.	Colour Theory	05	04	09	10
5.	Implementation of colours	06	05	11	10
6.	Two Dimensional composition-I	05	04	09	10
7.	Two Dimensional composition-II	05	04	09	10
8.	Three Dimensional composition-I	05	04	09	10
9.	Three Dimensional composition-II	06	04	10	10
10.	Light	06	05	11	10
		56	42	98	100

COURSE CONTENTS

S. No.	Topic	Details
1.	Drawing equipment	<ul style="list-style-type: none"> • Introduction drafting equipments. • Use of drawing equipments with their own hands. • Various exercise on free hand drawing & Figures by using equipments.
2.	Elements of design	<ul style="list-style-type: none"> • Study of elements of Design: Point, Line, Plane, Shape, Form, Space, Texture etc.
3.	Principles of Design	<ul style="list-style-type: none"> • Study of Principles of Design: Balance, Rhythm, Monotony, Harmony, Contrast, Scale,

		<p>Proportion.</p> <ul style="list-style-type: none"> • Developing Sense of Proportion.
4	Colour Theory	<ul style="list-style-type: none"> • Primary Secondary & Tertiary colours. • Colour wheel. • Colour scheme: Monochromatic, Complementary, Split complementary, Analogous, Triad, Tetrad etc. • Tint, Shade, Tone.
5.	Implementation of colours	<ul style="list-style-type: none"> • Psychological impact of colours • Warm & Cool colours • Application of colour schemes in different spaces i.e. Kitchen, Bed Room, Drawing room, Study Room, Offices, Restaurant etc.
6.	Two Dimensional composition – I	<ul style="list-style-type: none"> • Two dimensional compositions in Geometrical & Floral form using Line, Plane, Colours and Textures.
7.	Two Dimensional composition-II	<ul style="list-style-type: none"> • Composition for various purposes like Floor pattern, Book Cover, College, Logo etc.
8.	Three Dimensional composition-I	<ul style="list-style-type: none"> • Study of elements of three dimensional compositions e.g. Volume, Forms, Mass & Void, Unity and Character.
9.	Three Dimensional composition-II	<ul style="list-style-type: none"> • Three Dimensional composition using various model making materials for example Mount Board, Thermocol, Timber etc.
10.	Light	<ul style="list-style-type: none"> • Introduction, Types of Light and its effect.

PRACTICAL CODE-216121(16)
LIST OF STUDIO WORK (PRACTICALS)

Assignment of Sheet

1. Exercise in free hand sketching & Drafting various Figures by using equipments.
2. Exercise on Line, Plane, Shape, Form, Space, Texture etc.
3. Individual examples of Balance, Rhythm, Monotony, Harmony, Contrast, Scale, Proportion.
4. Colour wheel (Primary, Secondary, Tertiary, cool & warm), Exercise on Tint & Shade. Colour scheme: Monochromatic, Complementary, Split complementary, Analogous, Triad, Tetrad etc.
5. Application of colour schemes in different spaces.
6. Exercise on 2-D composition Geometrical & Floral pattern.
7. Any One exercise on composition of floor pattern, Book cover, Collage, Logo etc.
8. Any One exercise on 3-D composition.
9. Any One model on 3-D composition.
10. Light fixtures & Fittings through Market survey or Literature study.

REFERENCE BOOKS

1. Decorative Design and Craftsmanship of India by Enakshi Bhawani, Publisher DB Taraporevala sons & co. Pvt. Ltd. Dr. Dadabhai Naroji Road, Mumbai.
2. Interior Design Principles & Practice by M Pratap Rao, Publisher: Standard Pub. & Dist., New Delhi.
3. Modern Ideal Homes by R S Deshpande, Published by United Book Corporation, Saraswat Brahmans colony, Poona-1.
4. Architecture & Town planning by Satish Chandra Agrawal, Publisher: Dhanpat Rai & Sons, 1682, Nai Sadak, Delhi – 1100006.
5. Interior Decorations by Satish Chandra Agrawal, Publisher: Dhanpat Rai & Sons, 1682, Nai Sadak, Delhi – 1100006
6. Interior Design by John Pile, Publisher: Harry m Abrams, New york.
7. An Introduction to Art, Craft, Technique, Science and profession of Interior Design by Ahmed Abdullah Kasu, Publisher Iqaira Pub. Pvt. Ltd. Mumbai.

**CHHATTISGARH SWAMI VIVEKANAND TECHNICAL
UNIVERSITY, BHILAI**

Semester – 1st Semester

SUBJECT -GPRAPHICS- I

Theory Code 226113(16)

Branch / Discipline –Architecture/ Interior Decoration & Design

Minimum number of class tests to be conducted – 2

SCHEME OF STUDY

S. No.	Chepter	No. of Hours/ Periods		Total No. of Hours/P eriods	Marks Allotted
		Theory	Practical		
1.	Free hand sketching	07	05	12	10
2.	Lettering	05	04	09	10
3.	Areas & Volume	05	04	09	10
4.	Scale	06	04	10	10
5.	Orthographic Projection	06	05	11	10
6.	Section of Solid	05	04	09	10
7.	Development of surfaces	06	04	10	10
8.	Isometric view	06	04	10	10
9.	Axonometric view	05	04	09	10
10.	Oblique view	05	04	09	10
		56	42	98	100

COURSE CONTENTS

S. No.	Topic	Details
1.	Free hand sketching	<ul style="list-style-type: none"> • Free hand sketching of various objects like flower pot, Showcase, any building by visualization & memory.
2.	Lettering	<ul style="list-style-type: none"> • Measured & Free hand lettering in pencil, ink, use of stencil & other Equipemtn.
3.	Areas & Volume	<ul style="list-style-type: none"> • Study of various planes: Triangle, Pentagon, Hexagon, etc. • Study of various solids: Cylinder, Prism, Cone, Pyramid, sphere etc. • Area of various planes. • Whole area, Lateral surface area & Volume of various solids.

4	Scale	• Plain, Diagonal & Isometric scale.
5.	Orthographic Projection	• Orthographic projection of various simple geometric solid such as Cylinder, Prism, Cone, Pyramid etc.
6.	Section of Solid	• Section of above solids.
7.	Development of surfaces	• Development of above solids
8.	Isometric View	• Isometric view of above solids
9.	Axonometric view	• Axonometric view of above solids
10	Oblique view	• Oblique view of above solid.

PRACTICAL CODE -216122(16)
LIST OF STUDIO WORK (PRACTICALS)

Assignment on Sheet

1. Free hand sketching by (a) Visualization (b) Memory
2. Lettering by (a) Standard Proportion (b) Styled (c) Using any equipment or stencil.
3. Area & Drawing of various geometrical planes & Solids with Lateral surface, whole surface & Volume of simple geometrical solids.
4. Plain, Diagonal & Isometric scale.
5. Orthographic Projection of simple geometrical solids. (Prism, Cylinder, Pyramid, Cone Sphere).
6. Section of solids. (Simple Sections)
7. Development of surfaces of above solids.
8. Isometric view of above solids.
9. Axonometric view of above solids.
10. Oblique view of above solids.

REFERENCE BOOKS

- (i) English Hindi Modern Lettering by A.H. Hashmi, Published by Pustak Mahal, Khari Bawali, Delhi.
- (ii) Engineering Drawing (Plane & Solid Geometry) by N. D. Bhatta, Published by Charotar Publishing House, Opposite Amul Dairy, Court Road, Anand (W. Rly.) India.
- (iii) Prarambhik Engineering Drawing by Prakash Ashthana, Deepak Prakashan, Khula Santar, Murar, Gwalior (Hindi).
- (iv) Engineering Drawing by G. S. Gill Publisher S K Kataria & sons.
- (v) Civil Engineering Drawing by D. N. Ghosh, CBS Publishers & distributors: Delhi.
- (vi) Civil Engineering Drawing by Gurucharan Singh, Standard Publishers & distributors, Delhi.

**CHHATTISGARH SWAMI VIVEKANAND TECHNICAL
UNIVERSITY, BHILAI**

Semester – 1st Semester

SUBJECT -BASIC DESIGN

Theory Code – 216114(16)

Branch / Discipline –Architecture/ Interior Decoration & Design

Minimum number of class tests to be conducted – 2

SCHEME OF STUDY

S. No.	Chepter	No. of Hours /Periods		Total No. of Hours/ Periods	Marks Allotted
		Theory	Practical		
1.	Engineering Scale	05	05	10	10
2.	Graphical representation of various Building components.	06	04	10	10
3.	Graphical representation of Furniture	05	04	09	10
4.	Graphical representation of Electric & sanitary fixtures	05	04	09	10
5.	Human posture anthropometric study-I	06	04	10	10
6.	Anthropometric study-II	06	04	10	10
7.	Existing Building drawing by measurement	06	04	10	10
8.	Building drawing as per given sketch & data	06	04	10	10
9.	Furniture layout	06	04	10	10
10.	Presentation	06	04	10	10
		57	41	98	100

COURSE CONTENTS

S. No.	Topic	Details
1.	Engineering Scale	<ul style="list-style-type: none">• Use of scale, drafting of various geometrical shapes in given dimension using different scales.
2.	Graphical representation of various Building components.	<ul style="list-style-type: none">• Explaining different terms & Graphical representation of various components of Building like foundation, plinth, sill, lintel, slab, stair, door, window, etc.
3.	Graphical representation of Furniture	<ul style="list-style-type: none">• Plans and elevations of various commonly used furniture.
4	Graphical representation of Electric & sanitary fixtures	<ul style="list-style-type: none">• Plans and elevation of different sanitary fixtures like Indian W.C., wash basin, urinals, bath tub etc.
5.	Anthropometric study-I (Human Posture)	<ul style="list-style-type: none">• Drawing various human Body stances.
6.	Anthropometric study-II	<ul style="list-style-type: none">• Space required for various human activities.
7.	Drawing of existing Building by measurement	<ul style="list-style-type: none">• Measurements of existing building/room with tape & Drafting its plan, elevations & sections.
8.	Building drawing as per given sketch & data	<ul style="list-style-type: none">• Drawing plan, elevations & sections of any room as per given sketch & data.
9.	Furniture layout	<ul style="list-style-type: none">• Furniture layout in any room.
10.	Presentation	<ul style="list-style-type: none">• Presentation of plan elevations and sections in proper & suitable medium.

LIST OF STUDIO WORK (PRACTICALS)

Assignment on Sheet

1. Drafting of various geometrical shapes in given scales.
2. Graphical representation of various Building components.
3. Plans and elevation of various commonly used furniture.
4. Plans and elevations of various sanitary fixtures.
5. Drawing various human body stances.
6. Drawing sketches for the space required for different human activities.
7. Drawing plan, elevation & section of the existing room.
8. Drawing plan, elevation & section of the given room.
9. Furniture layout in any room.
10. Presentation of plan elevations and sections in proper & suitable medium.

REFERENCE BOOKS

1. Architectural Graphics standards by Ramsay Sleeper Publisher: Super Book House, Sind Chambers, Colaba, Mumbai.
2. Ernst Neufert Architecture Data by Jones Vincent, Publisher Blackiyell scientific Publication Oxford.
3. Building Drawing by MG Shah, G. M. Kale & S Y Patki, Publisher Tata McGraw Hill Publ. Co. Singapore.
4. Time Saver Standard (Building type) by josep De Chiara & Johahancock callender Publisher McGraw Hill Publ. Co. Singapore.
5. An Introduction to Art, Craft, Technique, Science and profession of Interior Design by Ahmed Abdullah Kasu, Publisher Iquira Pub. Ltd. Mumbai.

**CHHATTISGARH SWAMI VIVEKANAND TECHNICAL
UNIVERSITY, BHILAI**

Semester – 1st Semester

SUBJECT - HISTORY OF DESIGN

Theory Code 216115(16)

Branch / Discipline –Architecture/ Interior Decoration & Design

Minimum number of class tests to be conducted – 2

SCHEME OF STUDY

S. No.	Chepter	No. of Hours /Periods		Total Hours	Marks Allotted
		THEOR Y	PRACTICA L		
1.	Indus valley civilization	03	02	05	10
2.	Buddhist Architecture	04	03	07	10
3.	Evolution of temple	04	03	07	10
4.	Northern or Indo Aryan Architecture	05	02	07	10
5.	Dravidian style	06	02	08	10
6.	Jain Architecture	03	02	05	10
7.	Egyptian Architecture	04	03	07	10
8.	West Asiatic Architecture	05	02	07	10
9.	Greek Architecture	05	04	09	10
10.	Roman Architecture	04	04	08	10
		43	27	70	100

COURSE CONTENTS

S. No.	Topic	Details
1.	Indus valley civilization	• Study of Cities of Harappa and Mohanjodaro.
2.	Buddhist Architecture	• Beginning of Buddhist school, Rock cut architecture.
3.	Evolution of temple	• Evolution of temple and comparison on the basis of different elements of temple like planning, shikhara, nomenclature etc.
4.	Northern or Indo Aryan Architecture	• Central India, Rajputana & Central India, Gujrat & West, Temple of Deccan.
5.	Dravidian style	• Comparison of temples in Pallava, Chola, Pandya, Vijaynagar and Madura style.
6.	Jain Architecture	• Temple cities of the Jain.
7.	Egyptian Architecture	• Characteristics of Pyramid, Tomb and mastabas.

8.	West Asiatic Architecture	• Characteristics of Ziggurats.
9.	Greek Architecture	• Characteristics, optical correction, orders, temple of Parthenon.
10.	Roman Architecture	• Characteristics, orders, temple of Parthenon.

PRACTICAL CODE -216124(16)

LIST OF STUDIO WORK (PRACTICALS)

Assignment on sheet

1. Plans of cities of Harappa and Mohanjodaro.
2. Sketches of monuments of Buddhist Architecture.
3. Sketches of various types of shikhara, different parts & plans of temples.
4. Sketches of any five important example of Northern or Indo Aryan Architecture.
5. Sketches of any five important example of Dravidian style.
6. Sketches of any one important example of Jain Architecture.
7. Sketches of any three important example of Egyptian Architecture.
8. Sketches of any one important example of Ziggurats.
9. Sketches of different orders, temple of Parthenon.
10. Sketches of different orders, temple of Pantheon.

(Along with general description & notes)

REFERENCE BOOKS

1. The great ages of World Architecture by G. K. Hiraskar, Publisher: Dhanpat Rai Publication, Delhi.
2. A History of Architecture by Sir Banister Fletchers, Publisher: CBS Publisher & Distributors, Delhi.
3. Indian architecture Vol-I 9 (Buddist & Hindu period), by Percy Brown, Publisher: D. B. Taraporevala & co, Mumbai.
4. History of Interior Design by John Pile, Publisher: Harry m Abrams, New york.

**CHHATTISGARH SWAMI VIVEKANAND TECHNICAL
UNIVERSITY, BHILAI**

Semester – 1st Semester

SUBJECT - WORKSHOP (Practical)

Code – 216125 (16)

Branch / Discipline –Architecture/ Interior Decoration & Design

Minimum number of class tests to be conducted – 2

SCHEME OF STUDIES

S. No.	Chepter	No. of Hours / Periods		Total No. of Hours/ Periods	Marks Allotted
		Theory	Practical		
1.	Skill Development	10	22	32	15
2.	Working with wood	06	14	20	10
3.	Plane & solids	08	14	22	10
4.	Curtain & Pleats	04	06	10	05
		28	56	84	40

COURSE CONTENTS

S. No.	Topic	Details
1.	Skill Development	<ul style="list-style-type: none"> Develop skill in working with own hands in art & craft i.e. Painting, Murals, Sculptures etc. with various materials like Tiles, Bamboo sticks, Threads, Colours, Papers etc.
2.	Working with wood	<ul style="list-style-type: none"> Knowing different carpentry joint & making it.
3.	Plane & Solid	<ul style="list-style-type: none"> Making Different 2-D & 3-D planes & Solids Blocks & their composition in given dimensions.
4.	Curtain & Pleats	<ul style="list-style-type: none"> Curtain stitching, Types of Pleats.

REFERENCE BOOKS

1. Basic Shop Theory Carpentry (KASHTA KALA) by R. C. Gupta, Publisher Dhanpatrai Publications (pvt. Ltd. First Floor, 67/4, Madras House, Daria ganj, New Delhi 110002. (Hindi)
2. Carpentry wood craft by Jatansingh Nasuka, Published by R K Mehta Asian Publishers, Nai Sadak, Delhi-6. (Hindi)
3. Interior Design by John F pile, Publisher Prentice hall inc & Harry N. Abrams inc. Publishers.
4. An Introduction to Art, Craft, Technique, Science and profession of Interior Design by Ahmed Abdullah Kasu, Publisher Iqura Pub. Pvt. Ltd. Mumbai.
5. Decorative Design and Craftmanship of India by Enakshi Bhawani, Publisher D B Taraporevala sons & co. Pvt. Ltd. Dr. Dadabhai Naroji Road, Mumbai. Yr. 1993.
6. Decorative Design on stone and wood in India by Enakshi Bhawani, Publisher D B Taraporevala sons & co. Pvt. Ltd. Dr. Dadabhai Naroji Road, Mumbai. Forwarded by Kamaladevi Chattopadhyay yr. 1978.
7. Magazines:
 - (i) Inside-Outside (Monthly)
 - (ii) House-layolah (Bi-monthly)
 - (iii) House & Garden (Monthly)