

Department of Architecture

LESSON PLAN

Program Name	Architecture Assistantship
Subject Name	ARCHITECTURE DESIGN-I
Subject Code	ARPC – 1001
Semester	FIRST
Subject Teacher Name	Rajinder Kumar

**Evaluation Scheme**

Sr. No	Subject Name	Study scheme (Hrs/Week)		Marks in Evaluation Scheme					
		Th	Pr	Internal Assessment			External Assessment		
				Th	Pr	Total	Th	Pr	Total
1	AD-I	1	6	40	40	80	60	60	120

Reference Books	
-----------------	--


**Course Outcomes (COs)**

CO - 1	Students shall be able to understand the different joinery details of timber construction and its applications.
CO - 2	Students will appreciate the different wooden types available in the market. Students will be able to understand various

**Teaching Plan**

Chapters	Name of Topic	Proposed Date	Actual Date	Remarks
UNIT-I	Point- Line- Form- Space- Texture- Color	12/8/2024		
	Introduction to the Concept of Design in everyday life. (TH.)	13/8/2024		
	Compositions of simple geometric shapes	14/8/2024		
	Compositions of simple geometric shapes	16/8/2024		
	Volumetric Study of Platonic Solids	19/8/2024		
	Objectives of design, Primary elements of design. (TH.)	20/8/2024		
	Volumetric Study of Platonic Solids	21/8/2024		
	Making compositions	23/8/2024		
	Making compositions	27/8/2024		
	Detailed study of color theory and its applications (TH.)	30/8/2024		
	Making compositions	2/9/2024		
	UNIT-II	Two- and Three- Dimensional Compositions	3/9/2024	
Two- and Three- Dimensional Compositions		4/9/2024		
Two Dimensional Compositions of simple geometric shapes. (TH.)		6/9/2024		
Average measurements of human body in different postures		9/9/2024		
Average measurements of human body in different postures		10/9/2024		
Household and street furniture.		11/9/2024		
Two Dimensional Compositions of simple geometric shapes. (TH.)		13/9/2024		
<b>Class Test-I</b>		16/9/2024		
Principles of Design.(TH.)		17/9/2024		
Household and street furniture.		18/9/2024		
Household and street furniture.		20/9/2024		
UNIT-III		Space Study	23/9/2024	
	Principles of Design. (TH.)	24/9/2024		
	Space Study	25/9/2024		
	Space Study	27/9/2024		
	Basic human functions and their implications for space equirements	30/9/2024		
	Scale- Balance- Proportion- Rhythm- Harmony, Contrast- etc (TH.)	1/10/2024		
	Basic human functions and their implications for space equirements	4/10/2024		
	Scale- Balance- Proportion- Rhythm- Harmony. Contrast- etc (TH.)	7/10/2024		
	Basic human functions and their implications for space equirements	8/10/2024		

	Furniture layout, circulation spaces.	9/10/2024	
	Furniture layout, circulation spaces.	11/10/2024	
	Scale- Balance- Proportion- Rhythm- Harmony, Contrast- etc (TH.)	14/10/2024	
	Furniture layout, circulation spaces.	15/10/2024	
	Furniture layout, circulation spaces.	16/10/2024	
	<b>Class Test-II</b>		
	Furniture layout, circulation spaces.	18/10/2024	
	Average measurements of human body in different postures (TH.)	21/10/2024	
	Average measurements of human body in different postures (TH.)	22/10/2024	
UNIT-IV	Design of single storey Residence.	23/10/2024	
	Design of single storey Residence.	25/10/2024	
	Design of single storey Residence.	1/11/2024	
	Design of single storey Residence.	4/11/2024	
	Average measurements of human body in different postures (TH.)	5/11/2024	
	<b>House Test</b>	6/11/2024	
	<b>House Test</b>	8/11/2024	
	<b>House Test</b>	11/11/2024	
	Average measurements of human body in different postures (TH.)	12/11/2024	
	Design of single storey Residence.	13/11/2024	
	Design of single storey Residence.	18/11/2024	
	Space Study: Basic human functions space requirements (TH.)	19/11/2024	
	Design of single storey Residence.	20/11/2024	
	Design of single storey Residence.	22/11/2024	
	Design of single storey Residence.	25/11/2024	
	Space Study: Basic human functions space requirements (TH.)	26/11/2024	
	Design of single storey Residence.	27/11/2024	
	Design of single storey Residence.	29/11/2024	
	Design of single storey Residence.	2/12/2024	
	Space Study: Basic human functions space requirements (TH.)		

  
Sig. of Teacher

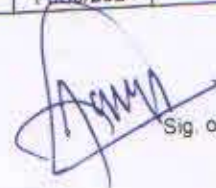
  
Sig. of H.O.D.

Department of Architecture										
LESSON PLAN										
Program Name			Architecture Assistantship							
Subject Name			ARCHITECTURE DRAWING & GRAPHICS							
Subject Code			ARPC - 1002							
Semester			FIRST							
Subject Teacher Name			BANDNA DIXIT							
Evaluation Scheme										
Sr. No	Subject Name	Study scheme (Hrs/Week)		Marks in Evaluation Scheme						
		Th	Pr	Internal Assessment			External Assessment			
				Th	Pr	Total	Th	Pr	Total	
1	AD&G	1	6+2	40	0	40	60	0	100	
Reference Books		Engineering drawing by N.D. Bhatt, Charotra Publishers								
		Engineering drawing by P.S. Gill, Kataria Publishers								
Course Outcomes (COs)										
CO - 1	student will be able to Understand Basic concepts of Architectural and Engineering drawings									
CO - 2	student will be able to Develop the basic conceptual sketches in 2D as well as 3D.									
Teaching Plan										
Chapters	Name of Topic					Proposed Date	Actual Date	Remarks		
UNIT-I INTRODUCTION TO ARCHITECTURAL GRAPHICS	Orientation programme with introduction to the trade					8/2/2024				
	Orientation programme with introduction to the trade					8/3/2024				
	Orientation programme with introduction to the trade					8/6/2024				
	Orientation programme with introduction to the trade					8/7/2024				
	Orientation programme with introduction to the trade					8/9/2024				
	Drawing Instrument Standard Sizes of Drawing sheets					8/13/2024				
	Layout of drawing sheets-Title block Types of lines					8/14/2024				
UNIT-II PLANE GEOMETRY	Introduction to Dimensioning Types of Dimensioning system of dimensioning as per B.I.S.					8/16/2024				
	Construction of polygons th					8/17/2024				
	Construction of polygons					8/20/2024				
	Construction of polygons					8/21/2024				
	Construction of polygons					8/23/2024				
	Types of Scales th					8/24/2024				
	Types of Scales					8/27/2024				
	Types of Scales					8/30/2024				
	Types of Scales					8/31/2024				
	Types of Scales th					9/3/2024				
	Types of Scales					9/4/2024				
	Conic Section					9/6/2024				
	Conic Section CT-I					9/10/2024				
	Conic Section					9/11/2024				
UNIT-III SOLID GEOMETRY	Conic Section					9/13/2024				
	Ortho Graphics Projections th					9/17/2024				
	Ortho Graphics Projections					9/18/2024				
	Ortho Graphics Projections					9/20/2024				
	Ortho Graphics Projections					9/21/2024				
	Ortho Graphics Projections th					9/24/2024				
	Ortho Graphics Projections					9/25/2024				
	Ortho Graphics Projections					9/27/2024				
	Ortho Graphics Projections					9/28/2024				
	Ortho Graphics Projections th					10/1/2024				
	Ortho Graphics Projections					10/4/2024				
	Ortho Graphics Projections					10/5/2024				
	Sciography of basic 3D shapes th					10/8/2024				
	Sciography of basic 3D shapes					10/9/2024				
	Sciography of basic 3D shapes					10/11/2024				
Sciography of basic 3D shapes CT-II th					10/15/2024					
Terminology-Isometric projections					10/16/2024					
Terminology-Isometric Scale					10/18/2024					

UNIT-IV  
ISOMETRIC  
PROJECTION &  
PERSPECTIVE  
VIEW

Isometric Projections		10/19/2024		
Isometric Projections	th	10/22/2024		
Isometric Projections		10/23/2024		
Isometric Projections		10/25/2024		
Isometric Projections		10/26/2024		
Isometric Projections				
DIWALI BREAK		11/1/2024		
Isometric Projections		11/5/2024		
	HOUSE TEST	11/6/2024		
	HOUSE TEST	11/8/2024		
	HOUSE TEST	11/12/2024		
Isometric Projections	th	11/12/2024		
Isometric Projections		11/13/2024		
Isometric Projections		11/16/2024		
Isometric Projections		11/19/2024		
Perspective Views Terminology used in Perspective view		11/20/2024		
Simple problems on Two Point and One point perspective		11/22/2024		
Simple problems on Two Point and One point perspective		11/23/2024		
Simple problems on Two Point and One point perspective		11/26/2024		
Simple problems on Two Point and One point perspective		11/27/2024		
Simple problems on Two Point and One point perspective		11/29/2024		
Simple problems on Two Point and One point perspective		11/30/2024		
Simple problems on Two Point and One point perspective				

  
Sig. of Teacher

  
Sig. of H.O.D.

**Department of Architecture**  
**Dr BR Ambedkar Govt. Polytechnic Ambota**  
 Distt. – Una (H.P.) - 177205

**LESSON PLAN**

Program Name	Architecture Assistantship
Subject Name	MODEL MAKING
Subject Code	ARPC – 1003
Semester	Ist
Subject Teacher Name	Bandna Dixit / Arun Rana

**Evaluation Scheme**

Sr. No	Subject Name	Study scheme (Hrs/Week)		Marks in Evaluation Scheme					
				Internal Assessment			External Assessment		
		Th	Pr	Th	Pr	Total	Th	Pr	Total
1.	MODEL MAKING		6		40	40		60	60

**COURSE OBJECTIVE:**

Students are expected to assist in the preparation of architectural models of various kinds in their professional career. This skill can also be opted for self-employment. Architecture model as three-dimensional representations are made in different mediums. The student should be acquainted with all of these mediums.

**Course Outcomes (COs)**

CO-1	Students will be able to visualize and understand the 3D aspects of building design and its components via physical modeling.
CO-2	Students will be able to understand the proportion and scale used in architecture.
CO-3	Students will be able to attain the knowledge of different material to be used for preparing architectural model.

**Teaching Plan**

	Name of Topic	Proposed Date	Actual Date	Remarks
UNIT-I	Timber, Variety of Indian timbers, Draw developmental drawings to appropriate scale of different geometrical shapes/objects. □ Block Model of any design project using anyone of the following medium & also show Site presentation details like Ground surfaces, Human beings, vegetation, vehicles, water bodies, roads, street furniture etc. (i) Wood (ii) Thermocol (iii) PVC Sheets (iv) Photo mount board etc. on appropriate scale of different geometrical shapes/objects	5/08/24		
		8/8/24		
		9/8/24		
		12/8/24		
		16/8/24		
		19/8/24		
		22/8/24		
		23/8/24		
		29/8/24		
		30/8/24		
		2/9/24		
		5/9/24		
		6/9/24		
		9/9/24		VIVA
		UNIT-II	Model of Details: (i) Jali details (ii) Grill details (iii) Gate details (iv) Railing details (v) Block model of house	12/9/24
13/9/24				
16/9/24				
19/9/24				
20/9/24				
23/9/24				
26/9/24				
27/9/24				
30/9/24				
4/10/24				
7/10/24				
10/10/24				
11/10/24				
14/10/24				
18/10/24		VIVA		

UNIT-III	Detailed Models of any Architectural Design project building using any one of the followings: (i) Paper sheets of various kinds (Ivory sheet) (ii) Sun Board (iii) Acrylic sheets	21/10/24	
		24/10/24	
		25/10/24	
		28/10/24	
		1/11/24	
		4/11/24	
		7/11/24	
		8/11/24	
		11/11/24	
		14/11/25	
		18/11/24	
		21/11/24	
		22/11/24	
		25/11/24	
		28/11/24	VIVA & PRESENTA TION
		29/11/24	
		2/12/24	

Subject Teacher

~~BTNDVT~~  
(ARUN)

~~MOD~~

### Lab Plan: Sports and Yoga( Archi. Asstt.)

Sr. No.	Name of Contents	Proposed date		Actual date		Remarks
		G-1	G-1	G-1	G-1	
1	<b>Introduction to Physical Education.</b> Meaning & definition of Physical Education. Aims & Objectives of physical Education. Changing trends in Physical Education	12.08.2024	19.8.2024			
2	<b>Olympic Movement.</b> Ancient & Modern Olympics ( Summer & Winter). Olympic Symbols, Ideals, Objectives & Values. Awards and Honours in the field of sports in India (Dronacharya Award, Arjuna Award, Dhayanchand Award, Rajiv Gandhi Khel Ratna Award etc. )	22.08.2024	29.08.024			
3	<b>Physical Fitness, Wellness &amp; Lifestyle.</b> Meaning & importance of physical Fitness & wellness. Components of Physical fitness. Components of Health related fitness. Components of wellness. Preventing health threats Though Lifestyle Change. Concept of positive Lifestyle.	02.09.2024	05.09.2024			
4	<b>Fundamentals of Anatomy &amp; Physiology in physical Education, Sports and yoga.</b> Define anatomy, Physiology & its importance. Effect of exercise on the functioning of various body system. (Circulatory system, Respi- ratory system. Neuro- Muscular system etc. )	09.09.2024	12.92.24			
5	<b>Kinesiology, Biomechanics &amp; sports.</b> Meaning & Importance of Kinesiology & Biomechanics in Physical Edu. & sports. Friction and its effects in sports.	16.9.2024	19.09.2024			
6	<b>Postures.</b> Meaning and concept of Postures. Casuses of Bad Posture. Advantages & Disadvantages of weight training. Concept & advantages of correct Posture. Common Postural Deformities - Knock Knee; Flat Foot; Round Shoulders; Lordosis, ky- Phosis, Bow legs and Scoliosis. Corrective measures for Postural Deformities.	23.09.2024	26.09.2024			
7	<b>Yoga.</b> Meaning & Importance of Yoga. Elements of Yoga. Introduction - Asanas, Pranayama, Meditation & Yogic Kriyas. Yoga for concentration & related Asanas (Sukhasana; Tadasana; Padmasana & Sha- Shankasana). Relaxation Techniques for improving concentration Yognidra.	30.09.2024	03.10.24			
8	<b>Yoga &amp; Lifestyle.</b> Asanas as preventive measures. Hypetension: Tedasana, Vajrasana, Pravan Muktasana, Ardha Chakrasana, Bhujagasana, sharasana. Obesity: Procedure; Benefits & contraindications for Vajrasana, Hastasana, Trikonasana, Ardh matsyendrasana, Matsyendrasana. Back Pain: Tadasana, Ardh Matsyendrasana, Vakrasana, shalabhasana, Bhujangasana.	07.10.2024	10.10.2024			

9	<b>Diabetes:</b> Procedure, Benefits & contraindications for Bhujangasana, Paschimottasana, Pawan Kuktasana, Ardh Matsyendrasana. Asthema: procedure, Benefits & Contraindications for suhkasana, Chakrasana, Gomukhasana, Parvatasana, Bhujangasana, Paschimottasana, Matsyasana.	14.10.2024	21.10.2024			
10	<b>Taining and Planning in Sports.</b> Meaning Of Training. Warming up and limbering down. Skill, Technique & style. Meaning and Objectives of Planning. Tournamet - Knock-Out, League/Round Robin & combination.	24.10.2024	28.10.2024			
11	<b>Psychology &amp; Sports.</b> Definition & Importance of psychology in physical Edu. & sports. Define & Differentiate Between Growth & Devolpment Adolescent Problems & Their Management. Emotion: Concept, Type & Controlling of emotions. Meaning, concept & types of Aggressions in sports. Psychological benefits fo exercise. Anxiety & Fear and its effects on Sports Performance. Motivation, its types & techniques. Understanding Stress & Coping Strategies.	07.11.2024	11.11.2024			
12	<b>Doping.</b> Meaning and Concept of Doping. Prohibited substance & methods. Side Effects of Prohibited Substances	18.11.2024	21.11.2024			
13	<b>Sports Medicine:</b> First Aid - Defination, Aims & Objectives sports injuries: Classification, Causes & Prevention. Management of Injuries: Soft Tissue Injuries and Bone & Joint Injuries.	25.11.2024				
14	<b>Sports / Games.</b> Following sub topics related to any one Game / Sport of choice of student out of: Athletics, Badminton, Basketball, Chess, Cricket, Kabaddi, Lawn Tennis, Swimming, Table Tennis, Volleyball, Yoga etc. History of the Game/Sport. Latest General Rules of the Game/Sport. Specification of Play fields and Related Sports Equipment. Important Taurnaments and Venues. Sports Personalities. Proper Sports Gear and its Importance.	28.11.24				

Subject Teacher

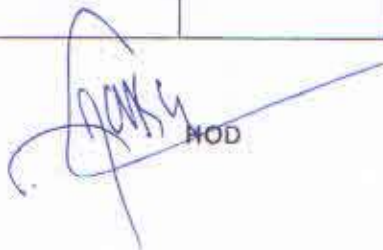
  
HOD



## Lesson Plan/Lab Plan (Carpentry shop)

Trade : Arch.Asstt.		Session: July - Dec 2024		
Sem: 1st				
Sr. No	Name of Practical	Proposed Date	Actual Date	Remarks
1	Introduction to various tools used by carpenter.	22-8-24		
		29-8-24		
		05-9-24 12-9-24		
2	Terminology of various tools	19-09-2024		
		26-9-2024		
		03-10-2024 10-10-2024		
3	Practice of cutting wood by hand saw	24-10-2024		
		07-11-24		
		14-11-24		
4	Small exercises on wood joints.	21-11-24		
		28-11-24		

  
 W/shop Instr.  
 (Teksingh)

  
 HOD

## LESSON PLAN

Program Name	DIPLOMA IN ARCHIT. ASSITT.
Course/Subject Name	Communication Skills In English
Course/Subject Code	HS 101
Course/Subject Coordinator Name	Renu Patial

### Evaluation scheme

S. No.	Subject Name	Study scheme (Hrs/Week)	Marks in evaluation scheme			
			Internal Assessment		External Assessment	
			Theory	Practical	Theory	Practical
1.	Communication Skills in English	2(Th)+1(DCS)+2(Pr.)	40	40	60	60
Reference books:			(1) The Functional Aspects of Communication Skills			
			(2) H. G Publications English Grammar			
			(3) English & Comm. Skills-I & II by Eagle Publications			
			(4) General English By Lucent			

**Course Outcomes:** After the completion of the course the students will:

CO1	Develop basic speaking and writing skills including proper usage of language and vocabulary so that they can become highly confident and skilled speakers writers.
CO2	Be informed of the latest trends in basic verbal activities such as presentation facing interviews and other forms of communication.
CO3	Also Develop Skill of group presentation and communication in team.
CO4	Develop Non-Verbal Communication such as proper use of body language and gesture.

### Teaching Plan:

Lecture No.	Name of topic	Proposed Date	Actual date	Remarks
1	Unit-1 Communication: Theory and Practice Introduction	12/08/24	20/08/24	12/08/24 - 18/08/24 Deputed to Govt. Polytechnic Jaisalmer
2	Basics of communication, Introduction meaning and definition, process of communication etc.	13/08/24	21/08/24	
3	Types of Communication: Formal & Informal, Verbal, Non-Verbal and written Barriers to effective communication.	14,19,20/08/24		
4	7Cs for effective communication( Consideration, concrete, concise, clear, complete, correct, courteous)	21/08/24		

*JP*

5	Art of effective communication, ( Choosing words, Voice, Modulation, Clarity, Time, Simplification of Words and Technical Communication.	27,28/08/24		
6	<b>Unit-2 Soft Skills For Professional Excellence:</b> Introduction: Soft Skills and Hard skills Importance of soft skills	02/09/24		
7	Life Skills, Self Awareness and self analysis, Adaptability, resilience, emotional intelligence and empathy etc.	03/09/24		
8	<b>Unit-3 Reading Comprehension</b> <b>Section: Short Stories 1. The Gift Of Magi</b>	04/09/24		
9	The Gift Of Magi	09/09/24		
10	2. Uncle Podger Hangs a Picture	10/09/24		
11	Uncle Podger Hangs a Picture	11/09/24		
12	<b>Section :2 Poetry</b> 1. Night Of the Scorpion	16/09/24		
13	1. Night Of the Scorpion	17/09/24		
14	2. Stopping By Woods On A snowy Evening	18/09/24		
15	Stopping By Woods On A snowy Evening	23/09/24		
16	3. Where Mind Is without fear	24/09/24		
17	<b>Unit-4. Professional writing</b> The Art of précis writing	25/09/24		
18	The Art of précis Writing	30/10/24		
19	Letters: Business and Personal	01/10/24		
20	Letters: Business and Personal	07/10/24		
21	Letters: Business and Personal	08/10/24		
22	Drafting e-mail	09/10/24		
23	Drafting Notices	14/10/24		
24	Minutes Of Meeting	15/10/24		
25	Minutes Of Meeting	16/10/24		
26	<b>Unit -5 Vocabulary and Grammar</b> Glossary of administrative terms( Hindi and English)	21/10/24		
27	One-word substitution	22/10/24		
28	One-word substitution	23/10/24		
29	Idioms and phrases	28,29/10/24		
30	Idioms and phrases	30/10/24		
31	Parts of Speech	04/11/24		
32	Parts of Speech	05/11/24		
33	Parts of Speech	06/11/24		
34	Parts of Speech	11/11/24		
35	Tenses	12/11/24		
36	Tenses	13/11/24		
37	Active and Passive Voice	18/11/24		
38	Active and Passive voice	19/11/24		

	Active and Passive Voice	20/11/24		
	Active and Passive Voice	25/11/24		
41	Punctuation.	26,27/11/24		
42	Punctuation.	02/12/24		

**Assignments:**

Assignment serial	Contents of syllabus covered	Actual date	Remarks
A-1	Communication and Soft Skills		
A-2	Reading Comprehension		

**House Test/Class Test:**

House/Class Test	Contents of syllabus covered	Proposed Date	Actual date	Remarks
CT-I	30% of the syllabus			
CT-II	Next 30% of the syllabus			
House Test	80% of the syllabus			

**Lab Plan( 101 ):**

Month	Name of Practical	Actual Date		Remarks
		G-A	G-B	
AUG	<b>Unit-1 listening Skills:</b> Listening process and practice, introduction to recorded lectures, poems, interviews and speeches, listening tests.			
SEP	<b>Unit-2 introduction to phonetics</b> 1. Sounds: Consonant, Vowel, Diphthongs etc. transcription of words(IPA) Syllable Division 2. Words, Stress, Intonation, Voice Modulation etc.			
OCT- NOV	<b>Unit-3 Speaking Skills</b> Standard and Formal speech Group Discussion Oral Presentation Public Speaking, Business presentation etc. Conversation Practice Role playing Mock Interview			

  
Signature of Teacher

Signature of HOD