

LESSON PLAN FOR WINTER 2025

DISCIPLINE:- ARCHITECTURE ASSISTANTSHIP	SEMESTER:-3RD SEM	NAME OF THE TEACHING FACULTY:- AR.IPSITA MISHRA
SUBJECT: AUTOCAD	NO. OF DAYS/PER WEEK CLASS ALLOTTED:- 2	FROM DATE-12/09/2025 TO DATE- 15/11/2025
WEEK	CLASS DAY	THEORY TOPICS
1ST WEEK	1st	State and compare AutoCAD with manual drafting
	2nd	Getting started: autocad screen , working platform
2ND WEEK	1st	Methods of command entry
	2nd	Coordinate system
3RD WEEK	1st	Selection of Units
	2nd	Selection of working area
4TH WEEK	1st	Types of commands
	2nd	Draw commands
5TH WEEK	1st	Arc, Circle, Ellipse
	2nd	Donut, Polygon
6TH WEEK	1st	Line, Pline
	2nd	Edit Commands
7TH WEEK	1st	Erase, Trim, Copy, Move, Offset, Array
	2nd	Break, Stretch, Explode, Mirror, Fillet
8TH WEEK	1st	Chamfer, Pedit, Edit, Hatch, Scale
	2nd	Display Commands
9TH WEEK	1st	Pan, Redraw, Regen, Zoom
	2nd	Utility Commands
10TH WEEK	1st	End, Limits, Quit, Save, Units
	2nd	Wooden staircase and RCC staircase
11TH WEEK	1st	Label Commands: Dimension, Hatch, Text
	2nd	Inquiry Commands: Area, Dist, Help, ID, List
12TH WEEK	1st	Drawing Aids: Osnap, Tracking, Snap
	2nd	Special Commands
13TH WEEK	1st	Block, Insert, Layer
	2nd	Line type, LT Scale, WB Block

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DISCIPLINE:- ARCHITECTURE ASSISTANTSHIP	SEMESTER:-5TH SEM	NAME OF THE TEACHING FACULTY:- AR.IPSITA MISHRA
SUBJECT: ARCHITECTURAL DESIGN	NO. OF DAYS/PER WEEK CLASS ALLOTTED:- 2	FROM DATE-12/09/2025 TO DATE- 15/11/2025
WEEK	CLASS DAY	THEORY TOPICS
1ST WEEK		
	1st	Design of a multi-storied building:Secondary school, students hostel,tourist home,Kalyan Mandap,Office complex,commercial complex,hotel,apartment(Any one of the above).
	2nd	1.1 background self-study,
2ND WEEK	1st	1.2 anthropometrics,activity analysis,
	2nd	1.3 bubble diagram,
3RD WEEK	1st	1.4 functional requirement,
	2nd	1.5 area analysis.
4TH WEEK	1st	1.6 case study of any related building.
	2nd	1.7 Site analysis
5TH WEEK	1st	1.8 Single line conceptual drawing
	2nd	1.9 double line plan and elevation
6TH WEEK	1st	Presentation drawings-
	2nd	site plan,
7TH WEEK	1st	ground floor plan,
	2nd	other floor plans,
8TH WEEK	1st	two elevations,
	2nd	two sections,
9TH WEEK	1st	detail plan showing interior arrangement
	2nd	terrace plan,
10th WEEK	1st	perspective view.
	2nd	Drawings have to be prepared manually and digitally.
11th WEEK	1st	AutoCad/3D Views(for preparing perspective view)
	2nd	

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DISCIPLINE:- ARCHITECTURE ASSISTANTSHIP	SEMESTER:-3RD SEM	NAME OF THE TEACHING FACULTY:- AR.IPSITA MISHRA
SUBJECT: BUILDING CONSTRUCTION	NO. OF DAYS/PER WEEK CLASS ALLOTTED:- 3	FROM DATE-12/09/2025 TO DATE- 15/11/2025
WEEK	CLASS DAY	THEORY TOPICS
1ST WEEK		
	1st	Stone Masonry: types of stones used in building construction
	2nd	Types of stone masonry
	3rd	Types of stone dressing
2ND WEEK	1st	Principles of stone masonry
	2nd	Brick Masonry: types of bricks used in masonry
	3rd	Principles of brick masonry
3RD WEEK	1st	Types of bonds in brick masonry
	2nd	Cement concrete construction
	3rd	Materials used in cement concrete construction
4TH WEEK	1st	Mixing, placing and compacting of cement concrete
	2nd	Curing of cement concrete work
	3rd	Types of cement concrete construction- Caste-in-situ and precast
5TH WEEK	1st	Advantages of cement concrete
	2nd	Use of reinforcement in cement concrete work
	3rd	Defects in cement concrete construction and their removal
6TH WEEK	1st	Foundations for load-bearing walls and piers
	2nd	Isolated and combined foundation in R.C.C
	3rd	Raft foundation
7TH WEEK	1st	Pile foundation
	2nd	Carpentary and Joinery- Tools used in carpentary works
	3rd	Joineries used in timber works
8TH WEEK	1st	Doors and Windows
	2nd	Ledged ,framed and braced door
	3rd	Framed,paneled and flush doors
9TH WEEK	1st	Types of windows
	2nd	Roofs- Classification of roofs
	3rd	Construction method and details of pitch roof
	1st	Stairs definations, types of staircase

10TH WEEK	2nd	Wooden staircase and RCC staircase
	3rd	Floors-types of floors,methods of laying floors
11TH WEEK	1st	Finishing of floors with floor finishes like cement,mosaic, terrazzo,tiles,marble and PVC/Linoleum
	2nd	Form work: function of formwork
	3rd	Materials used in form work
12TH WEEK	1st	Formwork for columns , floors, walls and stairs
	2nd	Pointing and plastering
	3rd	Methods and types of pointing
13TH WEEK	1st	Plastering: material and methods
	2nd	External finishes
	3rd	

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SUBJECT: BUILDING CONSTRUCTION LAB	NO. OF DAYS/PER WEEK CLASS ALLOTTED:- 2	FROM DATE-12/09/2025 TO DATE- 15/11/2025
WEEK	CLASS DAY	THEORY TOPICS
1ST WEEK	1st	Types of stone masonry
	2nd	(plan, elevation,section)
2ND WEEK	1st	Different shapes and types of bricks
	2nd	English Bond
3RD WEEK	1st	Wall junctions
	2nd	Flemish Bond
4TH WEEK	1st	Wall junctions
	2nd	Rat-trap bond
5TH WEEK	1st	Foundations in Bricks
	2nd	RCC foundations
6TH WEEK	1st	Arches and its details restaurant and office
	2nd	Entrance gate
7TH WEEK	1st	Details of different types of doors and windows
	2nd	Details of RCC staircase
8TH WEEK	1st	Details of Pitched roof
	2nd	Details of A.S,terrazzo,marble and tile flooring

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DISCIPLINE:- ARCHITECTURE ASSISTANTSHIP	SEMESTER:-3RD SEM	NAME OF THE TEACHING FACULTY:- AR.IPSITA MISHRA
SUBJECT: HISTORY OF ARCHITECTURE	NO. OF DAYS/PER WEEK CLASS ALLOTTED:- 3	FROM DATE-12/09/2025 TO DATE- 15/11/2025
WEEK	CLASS DAY	THEORY TOPICS
1ST WEEK		
	1st	Greek Architecture
	2nd	Architectural characteristics and details of features
2ND WEEK	1st	Sketch of Greek classical orders of Doric,Ionic and Corinthian. Temple of Parthenon at Athens.
	2nd	Roman Architecture
	3rd	Architectural characteristics and details of features
3RD WEEK	1st	Sketch of Greek classical orders of Doric,Ionic and Corinthian, composite, Tuscan.Temple of Saturn at Rome
	2nd	Indian Architecture: Buddhist Architecture
	3rd	Architectural characteristics and details of features
4TH WEEK	1st	Sketch of the Great Stupa of Sanchi, Chaitya Hall and Vihara
	2nd	Temple Architecture(Indo Aryan Style)
	3rd	Architectural characteristics and details of features of Odishan temple.
5TH WEEK	1st	Sketch of the Sun Temple at Konark, Lingaraj temple at Bhubaneswar
	2nd	Muslim Architecture
	3rd	Architectural characteristics and detail features
6TH WEEK	1st	Sketch of Juma Masjid, Tajmahal and the Qutab Minar
	2nd	Contemporary Architecture: Contemporary structures: Eiffel Tower, Bahai Temple and Burz-al-Khalifa
	3rd	Works of famous architects:Frank Lloyd Wright, Le Corbusier, B.V Doshi, Charles Correa
7TH WEEK	1st	
	2nd	
	3rd	
8TH WEEK	1st	
	2nd	
	3rd	

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DISCIPLINE:- ARCHITECTURE ASSISTANTSHIP	SEMESTER:-5TH SEM	NAME OF THE TEACHING FACULTY:- AR.IPSITA MISHRA
SUBJECT: HUMAN SETTLEMENT PLANNING	NO. OF DAYS/PER WEEK CLASS ALLOTTED:- 2	FROM DATE-12/09/2025 TO DATE- 15/11/2025
WEEK	CLASS DAY	THEORY TOPICS
1ST WEEK	1st	Introduction to Urban and Rural Planning
	2nd	Scopes and objectives of urban and rural planning
2ND WEEK	1st	Physical characteristics
	2nd	Urban and Rural Inter relationship
3RD WEEK	1st	City Master Plan
	2nd	State and explain the master plan
4TH WEEK	1st	Need of a Comprehensive Development Plan
	2nd	Objective, process and method of developing city master plan
5TH WEEK	1st	Survey
	2nd	Purpose of Surveying
6TH WEEK	1st	Surveying methods
	2nd	Zoning: Introduction
7TH WEEK	1st	Zoning regulation
	2nd	Housing
8TH WEEK	1st	Housing and Neighbourhood units
	2nd	Commercial Centers
9TH WEEK	1st	Traffic and transport system in towns and cities
	2nd	Appraisal of Master Plan of Bhubaneswar

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