

Lesson Plan

Discipline: Architectural Assistantship Branch		Semester: 6TH , Name of Faculty : IPSITA DASH
Subject: Photoshop	No. of days per week Class allotted: 5	Semester From Date: 17-01-2024 To date : 25-04-2024
Week	Class Day	Theory
1st	1st	1.0 Introduction to Photoshop
	2nd	1.1 What is Photoshop?
	3rd	1.2 System requirements
	4th	1.3 Image size and resolution
	5th	1.4 Creating working space
2nd	1st	1.5 Scanning images
	2nd	1.6 Saving images
	3rd	1.7 Opening images
	4th	1.8 Importing images
	5th	1.9 Placing files
3rd	1st	2.0 Introduction to tools
	2nd	2.1 Tool box
	3rd	2.2 Tool option bars
	4th	
	5th	2.3 Tools presets
4th	1st	2.4 Selection tools
	2nd	
	3rd	
	4th	2.5 Selection menu
	5th	
5th	1st	3.0 Working with layer
	2nd	3.1 What is a layer?
	3rd	

	4th	3.2 Blending Modes
	5th	
6th	1st	3.3 Features of an adjustment layer
	2nd	
	3rd	
	4th	
	5th	3.4 Working with layers
7th	1st	4.0 Creating shapes and mat painting 4.1 Painting
	2nd	4.2 Drawing 4.3 Pen tool
	3rd	4.4 Work path
	4th	4.5 Painting tools
	5th	4.6 Brush presets
8th	1st	5.0 Transforming and retouching 5.1 Cropping images
	2nd	5.2 Working with canvas size
	3rd	5.3 Transforming objects
	4th	5.4 Working with clone stamp tools
	5th	5.5 Retouching the image
9th	1st	6.0 Colour and tonal adjustments 6.1 Colour corrections
	2nd	6.2 Sharpening images 6.3 Colour models
	3rd	6.4 Colour gamuts
	4th	6.5 Adjusting colour display for cross-platform
	5th	6.6 Variation 6.7 Changing Screen mode
10th	1st	7.0 Filters 7.1 Distorting with liquefy command
	2nd	
	3rd	
	4th	

	5th	7.2 Pattern maker
11th	1st	
	2nd	
	3rd	7.3 Filter Gallery
	4th	
	5th	7.4 Filters
12th	1st	
	2nd	8.0 Text
	3rd	8.1 Text tool
	4th	
	5th	
13th	1st	
	2nd	
	3rd	8.2 Creating text effects using filters
	4th	
	5th	
14th	1st	9.0 Working with channels and masking
	2nd	9.1 Channels and bit depth
	3rd	
	4th	9.2 Converting between bit depths
	5th	
15th	1st	9.3 Converting between modes
	2nd	
	3rd	9.4 Features of mask
	4th	
	5th	9.5 Working with alpha-channels

BOOK REFERNCE:

1	Photoshop Bible
2	Adobe Photoshop class room in a book
3	Photoshop
4	Photoshop down dirty Tricks
5	How to do everything with Photoshop a beginner's guide

Concerned faculty:
IPSITA DASH



Lesson Plan

Discipline: Architectural Assistantship Branch		Semester: 6TH , Name of Faculty : N J BEHERA/IPSITA DASH
Subject: PROJECT WORK PHASE-II	No. of days per week Class allotted: 8	Semester From Date: 17-01-2024 To date : 25-04-2024
Week	Class Day	Theory
1st	1ST	Case Study
	2nd	Case Study
	3rd	Case Study
	4th	Case Study
	5th	Case Study
	6th	Case Study
	7th	Case Study
	8th	Case Study
2nd	1ST	Case Study
	2nd	Case Study
	3rd	Case Study
	4th	Case Study
	5th	Case Study
	6th	Case Study
	7th	Case Study
	8th	Case Study
3rd	1ST	Case Study
	2nd	Case Study
	3rd	Case Study
	4th	Case Study
	5th	Case Study
	6th	Site Analysis

	7th	Site Analysis
	8th	Site Analysis
4th	1ST	Site Analysis
	2nd	Site Analysis
	3rd	Site Analysis
	4th	Site Analysis
	5th	Site Analysis
	6th	Site Analysis
	7th	Site Analysis
	8th	Site Analysis
5th	1ST	Site Analysis
	2nd	Site Analysis
	3rd	Site Analysis
	4th	Site Analysis
	5th	Site Analysis
	6th	Site Analysis
	7th	Site Analysis
	8th	Site Analysis
6th	1ST	Site Analysis
	2nd	Site Analysis
	3rd	Concept Design
	4th	Concept Design
	5th	Concept Design
	6th	Concept Design
	7th	Concept Design
	8th	Concept Design
7th	1ST	Concept Design
	2nd	Concept Design
	3rd	Concept Design
	4th	Concept Design
	5th	Concept Design

	6th	Concept Design
	7th	Concept Design
	8th	Concept Design
8th	1ST	Concept Design
	2nd	Concept Design
	3rd	Concept Design
	4th	Concept Design
	5th	Concept Design
	6th	Plan
	7th	Plan
	8th	Plan
9th	1ST	Plan
	2nd	Plan
	3rd	Plan
	4th	Plan
	5th	Plan
	6th	Plan
	7th	Plan
	8th	Plan
10th	1ST	Elevation
	2nd	Elevation
	3rd	Elevation
	4th	Elevation
	5th	Elevation
	6th	Elevation
	7th	Elevation
	8th	Elevation
11th	1ST	Elevation
	2nd	Elevation
	3rd	Section
	4th	Section

11th	5th	Section
	6th	Section
	7th	Section
	8th	Section
12th	1ST	Section
	2nd	Section
	3rd	Views
	4th	Views
	5th	Views
	6th	Views
	7th	Views
	8th	Views
13th	1ST	Views
	2nd	Views
	3rd	Views
	4th	Views
	5th	Views
	6th	Views
	7th	Report
	8th	Report
14th	1ST	Report
	2nd	Report
	3rd	Report
	4th	Report
	5th	Report
	6th	Report
	7th	Report
	8th	Presentation
	1ST	Presentation
	2nd	Presentation
	3rd	Presentation

15th	4th	Presentation
	5th	Presentation
	6th	Presentation
	7th	Presentation
	8th	Presentation

BOOK REFERNCE:

1	
2	
3	
4	
5	

Dash *Nilay*

Concerned faculty:
N J BEHERA/IPSITA DASH

Lesson Plan

Discipline: Architectural		Semester: 6TH , Name of Faculty : IPSITA DASH
Subject: LIFESKILL	No. of days per week Class allotted: 2	Semester From Date: 17-01-2024 To date : 25-04-2024
Week	Class Day	Theory
1st	1st	SOCIAL SKILL
	2nd	SOCIAL SKILL
2nd	1st	SOCIAL SKILL
	2nd	SOCIAL SKILL
3rd	1st	SOCIAL SKILL
	2nd	PROBLEM SOLVING
4th	1st	PROBLEM SOLVING
	2nd	PROBLEM SOLVING
5th	1st	PROBLEM SOLVING
	2nd	PROBLEM SOLVING
6th	1st	PRESENTATION SKILL
	2nd	PRESENTATION SKILL
7th	1st	PRESENTATION SKILL
	2nd	PRESENTATION SKILL
8th	1st	PRESENTATION SKILL
	2nd	GROUP DISCUSSION AND INTERVIEW TECHNIQUE
9th	1st	GROUP DISCUSSION AND INTERVIEW TECHNIQUE
	2nd	GROUP DISCUSSION AND INTERVIEW TECHNIQUE
10th	1st	GROUP DISCUSSION AND INTERVIEW TECHNIQUE
	2nd	GROUP DISCUSSION AND INTERVIEW TECHNIQUE
11th	1st	WORKING IN TEAM
	2nd	WORKING IN TEAM
12th	1st	WORKING IN TEAM

12th	2nd	WORKING IN TEAM
13th	1st	WORKING IN TEAM
	2nd	TASK MANAGEMENT
14th	1st	TASK MANAGEMENT
	2nd	TASK MANAGEMENT
15th	1st	TASK MANAGEMENT
	2nd	TASK MANAGEMENT

BOOK REFERENCE:

1	Basic Managerial Skills for All
2	Creativity and problem solving
3	Decision making & Problem
4	Develop Your Assertiveness
5	Body Language



Concerned faculty:
IPSITA DASH

Lesson Plan

Discipline: Architectural Assistantship Branch		Semester: 5TH , Name of Faculty : NILAYA JYOTI BEHERA
Subject: ARCHITECTURAL DESIGN-I	No. of days per week Class allotted: 5	Semester From Date: 17-01-2024 To date : 25-04-2024
Week	Class Day	Theory
1st	1st	Design a small single family residence (single storied): Background study (Self Study)- anthropometrics, activity analysis, bubble diagram, functional requirement, area analysis.
	2nd	
	3rd	
	4th	
	5th	
2nd	1st	
	2nd	
	3rd	
	4th	
	5th	
3rd	1st	Single line conceptual drawing.
	2nd	
	3rd	
	4th	
	5th	
4th	1st	Double line plan and elevations (preliminary drawings).
	2nd	
	3rd	
	4th	
	5th	
	1st	
	2nd	

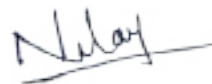
5th	3rd	Presentation drawings.
	4th	
	5th	
6th	1st	Site Plan
	2nd	
	3rd	Ground Floor Plan
	4th	
	5th	Two Elevations
7th	1st	Two Sections
	2nd	
	3rd	
	4th	Terrace Plan
	5th	
8th	1st	A duplex bungalow: Design to include all the above steps of chapter -I
	2nd	
	3rd	
	4th	
	5th	
9th	1st	
	2nd	
	3rd	
	4th	
	5th	
10th	1st	Site analysis
	2nd	
	3rd	
	4th	
	5th	
11th	1st	
	2nd	
	3rd	
	4th	
	5th	

12th	1st	Presentation drawing
	2nd	
	3rd	
	4th	
	5th	
13th	1st	☐ Site plan
	2nd	
	3rd	☐ Ground floor plan showing interior arrangement
	4th	
	5th	☐ First Floor Plan
14th	1st	☐ Two Elevations
	2nd	
	3rd	
	4th	☐ Two sections
	5th	
15th	1st	☐ Terrace Plan
	2nd	
	3rd	
	4th	
	5th	

BOOK REFERENCE:

1	Time saver standard for Building types
2	Neufert Architect's Data
3	

Concerned faculty:
NILAYA JYOTI BEHERA



Lesson Plan

Discipline: Architectural Assistantship Branch		Semester: 5TH , Name of Faculty : IPSITA DASH
Subject: LANDSCAPE DESIGN	No. of days per week Class allotted: 3	Semester From Date: 17-01-2024 To date : 25-04-2024
Week	Class Day	Theory
1st	1st	Fundamentals of site planning
	2nd	
	3rd	
2nd	1st	Explain with drawings and sketches.
	2nd	
	3rd	
3rd	1st	Landscape Details: Paving
	2nd	
	3rd	
4th	1st	Boundary wall with entrance gate
	2nd	
	3rd	
5th	1st	Retaining wall
	2nd	
	3rd	
6th	1st	
	2nd	
	3rd	
7th	1st	Water body
	2nd	
	3rd	
8th	1st	Planter box
	2nd	
	3rd	

9th	1st	Lamp post
	2nd	
	3rd	
10th	1st	Seating
	2nd	
	3rd	
11th	1st	Design of Parking lots
	2nd	
	3rd	
12th	1st	Design of Open Spaces: Parks (Neighborhood or city level)
	2nd	
	3rd	
13th	1st	
	2nd	
	3rd	
14th	1st	
	2nd	
	3rd	
15th	1st	Boulevards and pavement
	2nd	
	3rd	

BOOK REFERENCE:

1	Time saver standard for Landscape Architecture.

Concerned faculty:
IPSITA DASH



Lesson Plan

Discipline: Architectural Assistantship Branch		Semester: 5TH , Name of Faculty : LOPAMUDRA DASH
Subject: WORKING DRAWING-I	No. of days per week Class allotted: 5	Semester From Date: 17-01-2024 To date : 25-04-2024
Week	Class Day	Theory
1st	1st	Excavation plan and section.
	2nd	
	3rd	
	4th	
	5th	
2nd	1st	Foundation plans and sections.
	2nd	
	3rd	
	4th	
	5th	
3rd	1st	
	2nd	
	3rd	
	4th	
	5th	
4th	1st	Ground floor plan in detail.
	2nd	
	3rd	
	4th	
	5th	
5th	1st	First floor plan in detail
	2nd	
	3rd	
	4th	

	5th	First floor plan in detail
6th	1st	
	2nd	
	3rd	
	4th	
	5th	
7th	1st	Lintel level plan of all the floors(showing details of lintel and chhaja
	2nd	
	3rd	
	4th	
	5th	
8th	1st	Second floor plan (if necessary).
	2nd	
	3rd	
	4th	
	5th	
9th	1st	
	2nd	
	3rd	
	4th	
	5th	
10th	1st	Roof / Terrace plan.
	2nd	
	3rd	
	4th	
	5th	
11th	1st	Four sides working elevation
	2nd	
	3rd	
	4th	
	5th	
	1st	
	2nd	

12th	3rd	Sections (through staircase and toilet)
	4th	
	5th	
13th	1st	Plumbing/sanitary lay out with specification
	2nd	
	3rd	
	4th	
	5th	Electrical layout
14th	1st	
	2nd	
	3rd	
	4th	
	5th	
15th	1st	Local authority approval drawing as per the building Bye-Laws
	2nd	
	3rd	
	4th	
	5th	

BOOK REFERENCE:

Concerned faculty:
LOPAMUDRA DASH



Lesson Plan

Discipline: Architectural Assistantship Branch		Semester: 4TH , Name of Faculty : Lopamudra Dash
Subject: DESCRIPTIVE GEOMETRY	No. of days per week Class allotted: 4	Semester From Date: 17-01-2024 To date : 25-04-2024
Week	Class Day	Theory
1st	1st	Surface development: Development of the surface of geometrical solids (Cube, Cuboids, Pyramid, Prism, Cylinder and Cone.)
	2nd	
	3rd	
	4th	
2nd	1st	
	2nd	
	3rd	
	4th	
3rd	1st	Development of the surface of geometrical solids cut by sectional planes
	2nd	
	3rd	
	4th	
4th	1st	
	2nd	
	3rd	
	4th	
5th	1st	Isometric view of the following: Geometrical forms.
	2nd	
	3rd	
	4th	
6th	1st	
	2nd	

6th	3rd	Cubical forms.
	4th	
7th	1st	Complex forms
	2nd	
	3rd	
	4th	
8th	1st	
	2nd	
	3rd	
	4th	
9th	1st	Axonometric view of the following: Group of solids
	2nd	
	3rd	
	4th	
10th	1st	
	2nd	
	3rd	
	4th	
11th	1st	Interior view of a small building.
	2nd	
	3rd	
	4th	
12th	1st	Perspective view: One point perspective.
	2nd	
	3rd	
	4th	
13th	1st	Interior of a kitchen or any other room
	2nd	
	3rd	
	4th	
14th	1st	Two point perspectives of solid geometrical forms
	2nd	
	3rd	

15th	4th	Measuring point method of solid geometrical forms
	1st	
	2nd	
	3rd	
	4th	

BOOK REFERENCE:

1	
2	

Concerned faculty:
Lopamudra Dash



Lesson Plan

Discipline: Architectural Assistantship Branch		Semester: 5TH , Name of Faculty : LOPAMUDRA DASH
Subject: AUTO CAD-II	No. of days per week Class allotted: 5	Semester From Date: 17-01-2024 To date : 25-04-2024
Week	Class Day	Theory
1st	1st	Project on 2D.
	2nd	Project on 2D.
	3rd	Project on 2D.
	4th	Project on 2D.
	5th	Project on 2D.
2nd	1st	Project on 2D.
	2nd	Project on 2D.
	3rd	Project on 2D.
	4th	Project on 2D.
	5th	Project on 2D.
3rd	1st	Project on 2D.
	2nd	Project on 2D.
	3rd	Project on 2D.
	4th	Project on 2D.
	5th	Project on 2D.
4th	1st	Introduction to 3D-Modelling
	2nd	Introduction to 3D-Modelling
	3rd	Introduction to 3D-Modelling
	4th	Introduction to 3D-Modelling
	5th	Introduction to 3D-Modelling
5th	1st	Isometric VIEW/perspective VIEW
	2nd	Isometric VIEW/perspective VIEW
	3rd	Isometric VIEW/perspective VIEW

	4th	Isometric VIEW/perspective VIEW
	5th	Isometric VIEW/perspective VIEW
6th	1st	Co-ordinate system
	2nd	Co-ordinate system
	3rd	Co-ordinate system
	4th	Co-ordinate system
	5th	Co-ordinate system
7th	1st	3D entities and commands
	2nd	3D entities and commands
	3rd	3D entities and commands
	4th	3D entities and commands
	5th	3D entities and commands
8th	1st	3D entities and commands
	2nd	3D entities and commands
	3rd	3D entities and commands
	4th	3D entities and commands
	5th	3D entities and commands
9th	1st	3D entities and commands
	2nd	3D entities and commands
	3rd	3D entities and commands
	4th	3D entities and commands
	5th	3D entities and commands
10th	1st	3D viewing and editing
	2nd	3D viewing and editing
	3rd	3D viewing and editing
	4th	3D viewing and editing
	5th	3D viewing and editing
11th	1st	3D viewing and editing
	2nd	3D viewing and editing
	3rd	3D viewing and editing
	4th	3D viewing and editing
	5th	3D viewing and editing
	1st	Rendering

12th	2nd	Rendering
	3rd	Rendering
	4th	Rendering
	5th	Rendering
13th	1st	Project
	2nd	Project
	3rd	Project
	4th	Project
	5th	Project
14th	1st	Project
	2nd	Project
	3rd	Project
	4th	Project
	5th	Project
15th	1st	Project
	2nd	Project
	3rd	Project
	4th	Project
	5th	Project

BOOK REFERENCE:

1	Mastering AutoCAD 2016 and AutoCAD LT 2016
2	AutoCAD 2016® and AutoCAD LT® 2016: ESSENTIALS
3	AutoCAD

Concerned faculty:
LOPAMUDRA DASH



Lesson Plan

Discipline: Architectural Assistantship Branch		Semester: 4TH , Name of Faculty : Kalyani Mohanty
Subject: Analysis Of Structure	No. of days per week Class allotted: 4	Semester From Date: 17-01-2024 To date : 25-04-2024
Week	Class Day	Theory
1st	1st	Introduction:
	2nd	Aim, object and scope of study the subject.
	3rd	
	4th	
2nd	1st	Solution of determinate beams: Define a beam
	2nd	
	3rd	
	4th	
3rd	1st	Explain various types of supports.
	2nd	
	3rd	
	4th	
4th	1st	Explain various types of beams.
	2nd	
	3rd	
	4th	
5th	1st	State and illustrate the concept of shear force, bending moment, shear force and bending moment diagram in case of cantilever and simply supported beam subjected to concentrated load and U.D.L acting separately.
	2nd	
	3rd	
	4th	
6th	1st	
	2nd	

	3rd	Bending stress in beams: Show the use of pure bending equation (No derivation) for followings.
	4th	
7th	1st	
	2nd	
	3rd	
	4th	
8th	1st	Rectangular solid.
	2nd	
	3rd	
	4th	
9th	1st	Circular, solid.
	2nd	
	3rd	
	4th	
10th	1st	Slope and deflection of beams by double integration method: State and explain the differential equation of elastic curve (expression only).
	2nd	
	3rd	
	4th	
11th	1st	
	2nd	
	3rd	
	4th	
12th	1st	State and explain the sign conventions for slopes and deflection.
	2nd	
	3rd	
	4th	
13th	1st	
	2nd	
	3rd	
	4th	
	1st	

14th	2nd	State and explain the slope and deflection calculation for simply supported beam subject to single concentrated load at mid span and U.D.L over entire span.
	3rd	
	4th	
15th	1st	
	2nd	
	3rd	
	4th	

BOOK REFERENCE:

1	Strength of materials
2	Structural Analysis-II

Kalyani Mohanty

Concerned faculty:
Kalyani Mohanty

Lesson Plan

Discipline: Architectural Assistantship Branch		Semester: 4TH , Name of Faculty : Nilay Jyoti Behera
Subject: ESTIMATION AND SPECIFICATION	No. of days per week Class allotted: 4	Semester From Date: 17-01-2024 To date : 25-04-2024
Week	Class Day	Theory
1st	1st	Introduction: State and explain the aim and objective of the subject.
	2nd	
	3rd	Discuss what an estimate is.
	4th	Explain in detail different types of estimate: Rough estimate, detailed estimate, quantity estimate.
2nd	1st	Explain the methods used in plinth area calculation with an example.
	2nd	Units of measurement.
	3rd	
	4th	Method of building estimates.
3rd	1st	
	2nd	
	3rd	
	4th	
4th	1st	State and explain the centerline method of estimation of a building.
	2nd	
	3rd	
	4th	
5th	1st	Estimate of buildings.
	2nd	
	3rd	
	4th	
	1st	

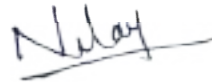
6th	2nd	Estimate the detailed quantity of a single roomed building.	
	3rd		
	4th		
7th	1st		
	2nd		
	3rd		
	4th		
8th	1st	Estimate detailed quantity of a single roomed building with provision for one kitchen, one toilet and front verandah.	
	2nd		
	3rd		
	4th		
9th	1st		
	2nd		
	3rd		
	4th		
10th	1st		Analysis of rate.
	2nd		
	3rd		
	4th		
11th	1st	Analyse the rates of cement concrete work (1:4:8 and 1:2:4).	
	2nd		
	3rd		
	4th	Analyse the rates of Brick work with (1:6) cement mortar.	
12th	1st		
	2nd	Specifications: Plain cement concrete in foundation.	
	3rd		
	4th		
13th	1st	Brick work in foundation and super structure.	
	2nd		
	3rd		
	4th		

14th	1st	R.C.C work in foundation and super structure.
	2nd	
	3rd	
	4th	
15th	1st	Plastering.
	2nd	Flooring (A.S flooring, terrazzo flooring, marble, tile)
	3rd	
	4th	Painting.

BOOK REFERENCE:

1	Estimate and valuation
2	Estimating & costing

Concerned faculty:
Nilay Jyoti Behera



Lesson Plan

Discipline: Architectural Assistantship Branch		Semester: 4TH , Name of Faculty : Ipsita Dash
Subject: BUILDING AND ENVIRONMENTAL SCIENCE	No. of days per week Class allotted: 4	Semester From Date: 17-01-2024 To date : 25-04-2024
Week	Class Day	Theory
1st	1st	Climatic condition: Introduction to Climatology and its effect on human comfort.
	2nd	
	3rd	
	4th	
2nd	1st	Brief study of world climatic zones, tropical climate in particular.
	2nd	
	3rd	Elements of climate: Solar Radiation, Temperature, Humidity, Wind and Precipitation data and measurement
	4th	
3rd	1st	Influence of topography and vegetation on climatic design
	2nd	
	3rd	
	4th	
4th	1st	Climatic control in building: Shading devices: vertical devices and horizontal devices.
	2nd	
	3rd	
	4th	
5th	1st	Ventilation and air flow principles, principles of natural ventilation
	2nd	
	3rd	
	4th	
6th	1st	Design and Orientation of building, building material and construction
	2nd	

	3rd	in warm humid climate.
	4th	
7th	1st	Brief idea about different means of mechanical control for heating, ventilation, cooling, air-conditioning.
	2nd	
	3rd	
	4th	
8th	1st	Introduction to landscape design: Definitions(Different types of Open spaces, e.g. Park, Natural Green areas, Playground)
	2nd	
	3rd	
	4th	
9th	1st	Factors that influence landscape design.
	2nd	
	3rd	
	4th	
10th	1st	Principles of landscape design
	2nd	
	3rd	
	4th	
11th	1st	Different landscape style and historic landscape(only sketch.)
	2nd	
	3rd	
	4th	
12th	1st	Japanese
	2nd	
	3rd	Mughal
	4th	
13th	1st	English
	2nd	
	3rd	Properties and Behaviour of sound: Brief Introduction to architectural acoustics-characteristics and measurement of sound, frequency, intensity, decibel scale(only definition).
	4th	

14th	1st	Source, path receiver, reflection and absorption.
	2nd	Reverberation time calculations using Sabine's formula. (with the example of an auditorium)
	3rd	
	4th	Definition of dead room, live room and diffusion.
15th	1st	Definition of echo, flutter echo, creep and focusing.
	2nd	General brief description of acoustical materials –acoustical tiles, fibre board, acoustic plaster and composite materials
	3rd	
	4th	

BOOK REFERENCE:

1	Manual of Tropical housing and building (Part-I)
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Concerned faculty:
Ipsita Dash



Lesson Plan

Discipline: Architectural Assistantship Branch		Semester: 4TH , Name of Faculty : Lopamudra Dash
Subject: BUILDING SERVICES	No. of days per week Class allotted: 4	Semester From Date: 17-01-2024 To date : 25-04-2024
Week	Class Day	Theory
1st	1st	Water supply: Principles of water supply system (Standards adopted for water supply as per NBC recommendation.)
	2nd	
	3rd	
	4th	
2nd	1st	Basic idea of water treatment process.
	2nd	
	3rd	
	4th	
3rd	1st	Water distribution system from reservoirs (Methods of laying out of distribution pipes).
	2nd	
	3rd	
	4th	
4th	1st	Municipal connections and positions
	2nd	
	3rd	
	4th	
5th	1st	Elements of domestic water supply (sump, overhead tank, types of taps, types of valves, pipe size and pipe fittings)
	2nd	
	3rd	
	4th	
6th	1st	Sanitation: Importance of sanitation in relation to public health.
	2nd	

	3rd	Refuse types, collection and disposal Separate, combined and partially separated methods.
	4th	
7th	1st	Elements of domestic sanitation.
	2nd	
	3rd	
	4th	
8th	1st	Types of septic Tank
	2nd	construction of septic tank
	3rd	Volume calculation
	4th	Soak Pit
9th	1st	Manhole
	2nd	
	3rd	
	4th	
10th	1st	Sanitary connections and fittings (wash basin, showers, kitchen sink, water closet, Flushing cistern, Bidets and Urinals)
	2nd	
	3rd	
	4th	
11th	1st	Traps (P-trap, Q-trap and S-trap)
	2nd	
	3rd	
	4th	
12th	1st	Anti siphon and ventilation pipes, Soil pipe and waste pipe
	2nd	House drainage and Sewerage: Laying of simple house drainage systems and sub-soil drains.
	3rd	
	4th	
13th	1st	
	2nd	
	3rd	
	4th	
14th	1st	
	2nd	
	3rd	

15th	4th	Laying of sewers
	1st	
	2nd	
	3rd	
	4th	

BOOK REFERENCE:

1	Water supply and sanitation (B.C. Punmia)
2	Water supply and sanitation (G.S. Biridi)

Concerned faculty:
Lopamudra Dash

