Lesson Plan

Session Jan- May , 2024

Name of Teacher : Ar. Hansraj & Ar. Noopur Tandon **Subject**: MAJOR PROJECT **Semester** : 6th sem

S. no.	Month	Week	Date	Name of Chapter	Contents to be taught	Remarks
1	Jan & Feb	I II III IV V	29,30,31,1,2 5,6,7,8,9 12,13,14,15,16 19,20,21,22,23 26,27,28,29		Introduction & topic finalization Case Area Introduction/ Background Context Site selection , Scope and Limitation (spatial) Case study Site Analysis	
2	March	V VI VII VIII IX	1 4,5,6,7 11,12,13,14,15 18,19,20,21,22 26,27,28		Site Zoning Designing Primary Submission –I	
3	April	X XI XII XIII XIV	1,2,3,4,5 8,9,10,12 16,18,19 22,23,24,25,26 29,30		 Submission –II with services	
4	May	XIV XV	1,2,3 6,7,8,9			
		XVI XVII	13,14,15,16,17 20,21,22,24		Final Submission	

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Lesson Plan

Name of Faculty: Ar. Aman Deep Gupta **Subject**: **LANDSCAPE DESIGN** **Semester:** VI **Session:** Feb- May 2023

Commencement of Classes: 29.01.2024 **Theory** : 4 hrs/Week (4-P) **End of Semester Classes**: 25.05.2024

S. no.	Month	Week	Lectures Planned	Unit	Contents to be taught	Remarks
1	January	1st	5	I	**Principles & Elements of Landscape Design** a. Plants, water, Earth forms and stones, Artificial or man-made elements.	
2	February	1st	2	II	**Principles & Elements of Landscape Design** b. Principles of landscape design with respect to architectural functions form, Symmetry and Balance, Texture, Colour, Contrast, Proportions and scale, Simplicity, Focus, Rhythm, Aesthetics (Visual aspects and functional aspects)	
		2nd	7			
		3rd	7			
		4th	7			
		5th	7			
3	March	6th	5	III	**Relationship of Landscape & Climate** a. Orientation b. Sun Control by Plants c. Wind control by plants d. Microclimate and Human comfort	
		7th	7			
		8th	7			
		9th	3			
4	April	10th	7	III	**Practical** a) Landscape design of an outdoor area within an existing building or group of buildings b) Park design	
		11th	7			
		12th	3			
		13th	7	IV	c) Landscape design of the architectural design project students are currently working on.	
		14th	3			
5	May	14th	4	IV	c) Landscape design of the architectural design project students are currently working on. d) Representation of Landscape drawings	
		15th	5			
		16th	7			
		17th	7			

Signature of Faculty :

Ar. Aman Deep Gupta

Signature of H.O.D/O.I.C. :

Ar. Hans Raj 27-1-24

Name of Teacher: Ar. Pranav Sharma **Subject** COMPUTER GRAPHICS -III **Semester:** VI SEM. **Session:** FEB – JUNE 2024

S. no.	Month	Week	Lecture Planned	Lecture Delivered	Name of Chapter	Contents to be taught	Remarks
1.	JANUARY	I	2		File Management	Import, export, file link, file save, merge etc.	
2.	FEBRUARY	I	4				
		II	4		Customization	Setting units, grids, snap setting etc	
		III	6		Layer Management	Naming layers, renaming layers deleting layers etc	
		IV	4		Creating and Editing Objects and Parameters	Standard primitives, extended primitives compound objects, splines, patches, solid objects, 3D mesh etc. working on AutoCAD drawing to develop 3Dmodel	
		V	4				
3.	MARCH	V	2		Edit Tools	Mirror, array, align, copy, move, rotate, rename objects, hide, unhide, group objects, ungroup objects etc. Class test-I	
		VI	2				
		VII	6				
		VIII	6		Modifiers and Application Simple Exercises		
		IX	2				
4.	APRIL	X	6		Utilities and Application Simple Exercises		
		XI	4				
		XII	4		Materials and Mapping Simple Exercises	Class test-II	
		XIII	6		Rendering	Environment, camera, lights, rendering, saving the views	
		XIV	2		ASSIGNMENTS	Develop a 3 D model from an AutoCAD drawing of an existing building or design studio project.	
5.	MAY	XIV	4				
		XV	2				
		XVI	6			Develop a 3D model of any building of the final semester Design project. Using latest versions of Cad Software's like Revit Series, 3-D Max, sketch up etc.	
		XVII	6				
		XVIII	6				

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Lesson Plan

Session Jan- May , 2024

Name of Teacher: Ar. Noopur Tandon **Subject**: Town Planning **Semester** : 6th sem

S. no.	Month	Week	Date	Name of Chapter	Contents to be taught	Remarks
1	Jan & Feb	I	30,31,1	-Introduction to Town Planning	Objectives, Importance, Principles of town planning.	
		II	6,7,8	-Origin and Growth of Ancient	Mohenjo-Daro and Harappa	
		III	13,14,15	Towns		
		IV	20,21,22	-Planning Process	Site selection, Site planning, Town and Villages, Ancient Form of	
		V	27,28,29		Village Planning	
2	March	VI	5,6,7	- The city of Delhi	Origin and Growth from Ancient to Modern	
		VII	12,13,14			
		VIII	19,20,21			
		IX	26,27,28	- The Process of Urbanization	Urban and rural definition , Migration	
3	April	X	2,3,4	- City Development Plan	Master plan regional plan in relation to Chandigarh	
		XI	9,10		Neighborhood unit concept in housing	
		XII	16,18			
		XIII	23,24,25	- Traffic Roads	Urban Traffic Roads Regional Roads Local Street Footpath Cycle	
		XIV	30		Path Junction	
4	May	XIV	1,2	-Zoning	Use Zoning, Height Zoning, Density Zoning	
		XV	7,8,9	-Smart Cities	Concept, sustainable development & need, Components of smart	
		XVI	14,15,16		cities, Design Principles.	
		XVII	21,22			

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Lesson Plan

Session Jan- May , 2024

Name of Teacher: Ar. Noopur Tandon **Subject**: A.P.P. **Semester** : 6th sem

S. no.	Month	Week	Date	Name of Chapter	Contents to be taught	Remarks
1	Jan & Feb	I II III IV V	31,1,3 7,8 14,15,17 21,22 28,29	Profession of Architect Architect's work	Definition and aspects of Architectural Profession, Architect's Contractors Employer's duties and liabilities, Arbitration. Structure of an architect's office, Office and management, Architects duties to his employees under labor welfare provision, Copyright.	
2	March	V VI VII VIII IX	2 6,7 13,14,16 20,21,23 27,28,30	Code, Competition, Fees Architect Act, 1972	Architectural competitions, professional conduct, conditions of engagement and Scale of professional fees and charges. Aims & Objectives of AIIA, COA - Its role of regulating the profession and education in Architecture	
3	April	X XI XII XIII	3,4,6 10 18,20 24,25,27	Tenders and Quotations	Tenders, essential characteristics of a tender notice, types of tender, tender documents, simple exercises on preparation of tender document, comparative statements (technical and cost comparisons), work order, supply order, Inspection, Contract & its types	
4	May	XIV XV ~~XVI~~ XVII	1,2,4 8,9 ~~15,16,18~~ 22,25	CPM and PERT	Introduction to CPM &PERT, Development of CPM networks Pertaining to simple building works.	

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Lesson Plan

Session : January - June 2024 **Subject:** EARTHQUAKE RESISTANT BUILDING DESIGN

Name of Teacher :Er. Anita Joshi **Semester** : 6th Sem. Arch. Asstt.

no.	Month	Week	Date	Name of Chapter	Contents to be taught	Remarks
1.	January	5TH	29-31	1.Elements of Engineering Seismology	1.1 General features of tectonic of seismic regions 1.2 Causes of earthquakes	3hr
	February	1st	1-3	1.Elements of Engineering Seismology	1.3 Seismic waves 1.4 Earth quake size (magnitude and intensity) 1.5 Epicenter 1.6	1hr
		2nd	5-9		Seismograph 1.7 Classification of earthquakes 1.8 Seismic zoning map of India	4hrs
		3rd	12-17	2. Seismic Behavior of	2.1 Earth quake effects 2.2 Traditionally built construction in India 2.3 Performance of	4hrs
		4th	19-23	Traditionally-Built Constructions of India	building during earthquakes and Mode of failure (Out-of plane failure, in- plane failure,	4hrs
		5th	26-29	3. Introduction to IS1893	Diaphragm failure, Connection failure, Non-structural components failure 3.1 Introduction 3.2 Assumptions 3.3 Design lateral forces and their calculation methods	4hrs
	March	1st	1-2	-----	------	----
		2nd	4-9	3. Introduction to IS1893	3.1 Introduction 3.2 Assumptions 3.3 Design lateral forces and their calculation methods	2hrs
				4 Ductile detailing of	4.1 Common modes of failure in reinforced concrete buildings	2hrs
		3rd	11-16	Reinforced Concrete	4.2 General Principal for earthquake resistant buildings & Special construction features	4hrs
		4th	18-23	Buildings	4.3 Types of irregularities 4.3.1 Vertical irregularities 4.3.2 Plan irregularities 4.4 Ductile	4hrs
		5Th	25-30		detailing as per code 4.5 Seismic strengthening arrangements 4.5.1 Horizontal reinforcement 4.5.2 Vertical reinforcement	3hrs
	April	1st	1-6	5. Introduction to	5.1 Advantages and disadvantages of masonry construction 5.2 Behavior of masonry	4hrs
		2nd	8-13	IS13828-1993 & IS-13827-	construction during earthquakes 5.3 Earthquake resistance features for burnt clay brick	3hrs
		3rd	15-20	1993	in weak mortar 5.4 Codal Provisions for earthquake resistant earthen construction 5.5	2hrs
		4th	22-27		Seismic strengthening features of earthen	3hrs
				6.Retro Fitting Measure	6.1 Introduction, need of retrofitting	1hr
		5th	29-30	for Traditionally Built Construction	6.2 Retrofitting materials 6.3 Retrofitting measure of traditionally built construction	2hrs
	May	1st	1-4	6.Retro Fitting Measure for Traditionally Built Construction	6.3.1 Retrofitting of masonry buildings 6.3.2 Retro fitting of concrete structure	2hrs
		2nd	6-11		6.3.3 Retro fitting of low-cost buildings	4hrs
		3st	13-18	7. Disaster Management	7.1 Disaster rescue 7.2 Psychology of rescue, rescue workers, rescue plan, rescue by	3hrs
		4nd	20-25		steps, rescue equipment 7.3 Safeties in rescue operations 7.4 Debris clearance 7.5 Causality management	4hrs

Lesson Plan

Session Jan. - May 2024

Name of Teacher : Ar.Hansraj **Subject**: STRUCTURAL DESIGN – III **Semester** : 6th

	Month	Week	Date	Name of Chapter	Contents to be taught	Remarks
1	Jan,Feb	4th 1st 2nd 3rd 4th	29-31 1-7 8-15 16-22 23-29	Steel Structural Elements	1.1 Classification of sections in Limit State Method 1.2 Grades of Structural Steel, Terminology & Properties 1.3 Structural steel and steel sections,	
2	March	1st 2nd 3rd 4th	1-7 8-15 16-22 23-31	Beams/Columns	study of steel tables and reading of data for steel sections 2.1 Design of beams with single RS section as per IS:800 and handbook for span and Loads 2.2 Design of axially loaded tension members 2.3 Design of Axially loaded compression members	
3	April	1st 2nd 3rd 4th	1-7 8-15 16-22 23-30	Structural Connections	3.1 Bolted connections, types of Bolts, forces in Bolts, types of Bolted joints with Sketches 3.2 Welded connections, types of welds, forces in welds, types of welds, defects in welds	
4	May	1st 2nd 3rd	1-7 8-16 17-25	Structural Connections, Hollow sections	2 Welded connections, types of welds, forces in welds, types of welds, defects in welds 4.1 General Shapes (Hot Rolled & Cold Form) and advantages & Applications	

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