

# Lesson Plan

Session Jan- May, 2024

Name of Teacher : Ar. Hansraj & Ar. Noopur Tandon

Subject: MAJOR PROJECT

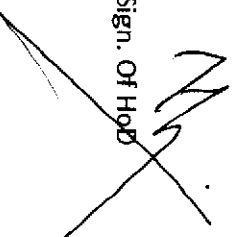
Semester : 6<sup>th</sup> sem

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 XVI XVII	1,2,3 6,7,8,9 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	1 <sup>st</sup>	5	I	Principles & Elements of Landscape Design a. Plants, water, Earth forms and stones, Artificial or man-made elements.	
		2 <sup>nd</sup>	7			
		3 <sup>rd</sup>	7			
		4 <sup>th</sup>	7			
2	February	1 <sup>st</sup>	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)	
		2 <sup>nd</sup>	7			
		3 <sup>rd</sup>	7			
		4 <sup>th</sup>	7			
		5 <sup>th</sup>	7			
3	March	6 <sup>th</sup>	5	III	Relationship of Landscape & Climate a. Orientation b. Sun Control by Plants c. Wind control by plants d. Microclimate and Human comfort	
		7 <sup>th</sup>	7			
		8 <sup>th</sup>	7			
4	April	9 <sup>th</sup>	3	III	Practical a) Landscape design of an outdoor area within an existing building or group of buildings b) Park design	
		10 <sup>th</sup>	7			
		11 <sup>th</sup>	7			
5	May	12 <sup>th</sup>	3	IV	c) Landscape design of the architectural design project students are currently working on. c) Landscape design of the architectural design project students are currently working on. d) Representation of Landscape drawings	
		13 <sup>th</sup>	7			
		14 <sup>th</sup>	3			
		14 <sup>th</sup>	7			
5	May	14 <sup>th</sup>	4	IV	c) Landscape design of the architectural design project students are currently working on. d) Representation of Landscape drawings	
		15 <sup>th</sup>	5			
		16 <sup>th</sup>	7			
		17 <sup>th</sup>	7			

Signature of Faculty :

  
Ar. Aman Deep Gupta

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

  
Ar. Haas Raj

29-1-24

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.	
		II	4				Setting units, grids, snap setting etc
2.	FEBRUARY	III	6		Layer Management Creating and Editing Objects and Parameters	Naming layers, renaming layers deleting layers etc Standard primitives, extended primitives compound objects, splines, patches, solid objects, 3D mesh etc. working on AutoCAD drawing to develop 3Dmodel	
		IV	4				
		V	4				
		V	2				
		VI	2				
3.	MARCH	VII	6		Edit Tools Modifiers and Application Simple Exercises Utilities and Application Simple Exercises	Mirror, array, align, copy, move, rotate, rename objects, hide, unhide, group objects, ungroup objects etc. Class test-I	
		VIII	6				
		IX	2				
		X	6				
		XI	4				
		XII	4				
4.	APRIL				Materials and Mapping Simple Exercises Rendering	Class test-II Environment, camera, lights, rendering, saving the views	
		XIII	6				
		XIV	2				
		XIV	4				
5.	MAY	XV	2		ASSIGNMENTS	Develop a 3 D model from an AutoCAD drawing of an existing building or design studio project. 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.	
		XVI	6				
		XVII	6				
		XVIII	6				
		XVIII	6				

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27-1-24

# Lesson Plan


Session Jan- May , 2024

Name of Teacher: Ar. Noopur Tandon

Subject: Town Planning

Semester : 6<sup>th</sup> sem

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

  
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# Lesson Plan

Session Jan- May, 2024

Name of Teacher: Ar. Noopur Tandon

Subject: A.P.P.

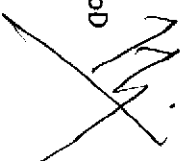
Semester : 6<sup>th</sup> sem

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 XVIII	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  
**Name of Teacher :** Er. Anita Joshi

**Subject :** EARTHQUAKE RESISTANT BUILDING DESIGN  
**Semester :** 6<sup>th</sup> Sem. Arch. Asstt.

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

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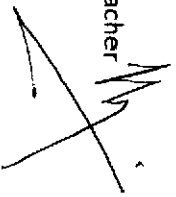
Name of Teacher : Ar.Hansraj

Subject: STRUCTURAL DESIGN – III

Semester : 6<sup>th</sup>

Month	Week	Date	Name of Chapter	Contents to be taught	Remarks
Jan, Feb	4 <sup>th</sup> 1 <sup>st</sup> 2 <sup>nd</sup> 3 <sup>rd</sup> 4 <sup>th</sup>	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,	
March	1 <sup>st</sup> 2 <sup>nd</sup> 3 <sup>rd</sup> 4 <sup>th</sup>	1-7 8-15 16-22 23-31	Beams/Colu mns	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	
April	1 <sup>st</sup> 2 <sup>nd</sup> 3 <sup>rd</sup> 4 <sup>th</sup>	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	
May	1 <sup>st</sup> 2 <sup>nd</sup> 3 <sup>rd</sup>	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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27-1-24