

Department Of Civil Engineering

IV B.Tech-II Sem, ASA, 2015-16

Lesson Plan

S. Laxmi Ganesh

Period	Date	Topic	Unit No	Teaching Methodology	Cumulative Periods
5,6	07-12-2015	Introduction , Gravity And Cantilever Walls Proportioning Retaining Walls	I	C.R	2
2	08-12-2015	Application Of Lateral Earth Pressure Theories To Design	I	C.R	3
2	09-12-2015	Other Types Of Possible Retaining Wall Failure	I	C.R	4
5	11-12-2015	Stability Checks Check For Overturning, Check For Sliding Along The Base	I	C.R	5
5,6	14-12-2015	Check For Bearing Capacity Failure, Example Factor Of Safety Against Overturning, Factor Of Safety Against Sliding	I	C.R	7
2	15-12-2015	Factor Of Safety Against Bearing Capacity Failure	I	C.R	8
2	16-12-2015	Introduction ,Objective	II	C.R	9
5	18-12-2015	Theory , Design Requirement Of Concrete	II	C.R	10
5,6	21-12-2015	Joints In Liquid Retaining Structures, General Design Requirements	II	C.R	12
2	22-12-2015	Flexible Base Circular Water Tank,Rigid Base Water Tank	II	C.R	13
2	23-12-2015	Flexible Rigid Base Water Tank	II	C.R	14
5	25-12-2015	Problems	II	C.R	15
5,6	28-12-2015	Design Of Circular Tank	II	C.R	17
2	29-12-2015	Design Of Underground Water Tank	II	C.R	18
2	30-12-2015	Introduction Of Steel Water Tanks	III	C.R	19
2	05-01-2016	Steel Water Storage Tanks: Design	III	C.R	22
2	06-01-2016	Steel Water Storage Tanks Construction, Maintenance	III	C.R	23
5	08-01-2016	Steel Water Storage Tanks Maintenance	III	C.R	24
5,6	18-01-2016	Types Of <i>steel Water Tanks</i> , Both Ground-Supported And Elevated.	III	C.R	26
2	19-01-2016	The Storage Of <i>Water</i> , Spherical <i>Tanks</i> (Pressure Vessels) For The Storage Of High	III	C.R	27
2	20-01-2016	The Storage Of <i>Water</i> , Spherical <i>Tanks</i> (Pressure Vessels) For The Storage Of High	III	C.R	28
5	22-01-2016	Problems	III	C.R	29
5,6	25-01-2016	Problems	III	C.R	31
2	26-01-2016	Bunkers And Silos: Introduction	IV	C.R	32
2	27-01-2016	Design Of Rectangular Bunkers	IV	C.R	33
5	29-01-2016	Design Of Rectangular Bunkers, Circular Bunkers And Silos	IV	C.R	34

5,6	08-02-2016	Chimneys: Introduction, Design Factors	IV	C.R	36
2	09-02-2016	Stresses Due To Self Weight, Wind And Temperature, Combinations Of Stresses.	IV	C.R	37
2	10-02-2016	Introduction To Concrete Bridges	V	C.R	38
5	12-02-2016	Design Aspects Of Concrete Bridges	V	C.R	39
5,6	15-02-2016	IRC Loading	V	C.R	41
2	16-02-2016	Design Of Slab Bridges	V	C.R	42
2	17-02-2016	Design Of Slab Bridges-Problems	V	C.R	43
5	19-02-2016	Design Of T Bridges	V	C.R	44
5,6	22-02-2016	Design Of T Bridges, Problems	V	C.R	46
2	23-02-2016	Span&Framing Arrangement, Span configuration, Girder Spacing, Lateral Bracing, Expansion Joints And Hinges	VI	C.R	47
2	24-02-2016	Section Proportion, Depth To Span Ratios, Webs, Flanges, Stiffeners	VI	C.R	48
5	26-02-2016	Design Limit States And Procedures	VI	C.R	49
5,6	29-02-2016	Design Example - Three-Span Continuous Composite Plate Girder Bridge	VI	C.R	51
2	01-03-016	Calculate Live Load Distribution Factors, Determine Load And Resistance Factors And Load Combinations	VI	C.R	52
2	02-03-016	Calculate Factored Moments And Shears – Strength Limit States, Calculate Factored Moments And Shears – Fatigue Limit States	VI	C.R	53
5	04-03-016	INTRODUCTION OF Truss Bridges, General Design Principles	VII	C.R	54
5,6	07-03-016	General Design Principles	VII	C.R	56
2	08-03-016	Design Of Tension Chord Members	VII	C.R	57
2	09-03-016	Design Of Vertical Members	VII	C.R	58
5	11-03-016	Lateral Bracing For Truss Bridges	VII	C.R	59
5,6	14-03-016	Design Of Compression Chord Members	VII	C.R	61
2	15-03-016	Design Of Diagonal Members	VII	C.R	62
2	16-03-016	Optimum Depth Of Truss Girder	VII	C.R	63
5	18-03-016	Introduction, General Principles, Factors That Increase Ductility	VIII	C.R	64
5,6	21-03-016	Specifications Of Materials For Ductility	VIII	C.R	66
2	22-03-016	Ductile Detailing Of Beams – Requirements	VIII	C.R	67
2	23-03-016	Ductile Detailing Of Columns And Frame Members With Moment (M	VIII	C.R	68
5	25-03-016	Requirements. Shear Walls, Joints In Frames	VIII	C.R	69
5,6	28-03-016	PROBLEMS	VIII	C.R	71
2	29-03-016	REVISION	IV,V,VI	C.R	72

Note: C.R- Class Room Teaching (Black Board, Ppt)

S. L. Ganda
Signature