

LESSON PLAN

Department of Civil Engineering

III B.Tech II SEM (B), GTE-II, 2015-16, CH.V.HANUMANTHA RAO

Period	Date	Topic	Unit No	Teaching Methodology	Cumulative Periods
3,4	5/01/16	Soil exploration: Need – Methods of soil exploration	I	C.R	2
5,6	08/01/16	Boring and Sampling methods	I	C.R	4
3,4	12/01/16	Field tests – Penetration Tests	I	C.R	6
3	19/01/16	Plate load test ,Pressure meter	I	C.R	7
4	19/01/16	planning of Programme and preparation of soil investigation report	I	C.R	8
5,6	22/01/16	Earth slope stability: Infinite and finite earth slopes	II	C.R	10
5,6	29/01/16	types of failures – factor of safety of infinite slopes	II	C.R	12
3,4	02/02/16	stability analysis by Swedish arc method, standard method of slices,	II	C.R	14
5,6	05/02/17	Bishop's Simplified method	II	C.R	16
3,4	09/02/16	Taylor's Stability Number	II	C.R	18
5,6	12/02/17	Stability of slopes of earth dams under different conditions	II		20
3,4	16/02/16	Earth pressure theories: Rankine's theory of earth pressure	III	C.R	22
5,6	19/02/17	earth pressures in layered soils	III	C.R	24
3,4	23/02/17	Coulomb's earth pressure theory	III	C.R	26
3,4	26/02/16	Culmann's graphical method	III	C.R	28
3,4	01/03/16	Shallow foundations: Types - choice of foundation	IV	C.R	30
5,6	04/03/16	Location of depth	IV	C.R	32
3,4	08/03/16	Safe Bearing Capacity -Terzaghi	IV	C.R	34
5	11/03/16	Safe Bearing Capacity -Meyerhof	IV	C.R	35
6	11/03/16	Safe Bearing Capacity -Skempton	IV	C.R	36
3,4	15/03/16	Safe Bearing Capacity -IS Methods	IV	C.R	38
5	18/03/16	Safe bearing pressure based on N- value	IV	C.R	39
6	18/03/16	allowable bearing pressure; safe bearing capacity	IV	C.R	40
3,4	22/03/16	Settlement from plate load test	IV	C.R	42
3,4	29/03/16	allowable settlements of structures - Settlement Analysis	IV	C.R	44
5,6	01/04/16	Pile foundation: Types of piles	V	C.R	46
3,4	12/04/16	Load carrying capacity of piles based on static pile formulae	V	C.R	48
3,4	19/04/16	Dynamic pile formulae	V	C.R	50
5,6	22/04/16	Pile load tests	V	C.R	52
3	26/04/16	Load carrying capacity of pile groups in sands	V	C.R	53
4	26/04/16	Load carrying capacity of pile groups in clays	V	C.R	54
5,6	29/04/16	Settlement of pile groups.	V	C.R	56

NOTE: C.R- Class Room Teaching (Black board, PPT)

Ch.V. Hanumanth Rao
Signature