

LESSON PLAN FOR WINTER 2025

DISCIPLINE:- ARCHITECTURAL ASSISTANTSHIP	SEMESTER:-3RD SEM	NAME OF THE TEACHING FACULTY:- MS.TAPASWINI MOHANTY
SUBJECT:-SURVEYING LAB	NO. OF DAYS/PER WEEK CLASS ALLOTTED:- 4	SEMESTER - 3RD Sem FROM DATE-12/09/2025 TO DATE- 15/11/2025 NO. OF WEEKS- 11WEEKS
WEEK	CLASS DAY	THEORY TOPICS
1ST WEEK	1st	1.0. Chain Survey 1.1.Do the ranging of a line more than 100mt.length and measuring its correct length applying chain corrections.
	2nd	1.1.Do the ranging of a line more than 100mt.length and measuring its correct length applying chain corrections.
	3rd	1.1.Do the ranging of a line more than 100mt.length and measuring its correct length applying chain corrections.
	4th	1.1.Do the ranging of a line more than 100mt.length and measuring its correct length applying chain corrections.
2ND WEEK	1st	1.2.take offsets of objects on both sides of line plotting the above details.
	2nd	1.2.take offsets of objects on both sides of line plotting the above details.
	3rd	1.2.take offsets of objects on both sides of line plotting the above details.
	4th	1.2.take offsets of objects on both sides of line plotting the above details.
3RD WEEK	1st	1.3.explain how to overcome the obstructions in chaining in the following cases.a)vision free ,but chaining obstructed, b)chaining free, vision obstructed
	2nd	1.3.explain how to overcome the obstructions in chaining in the following cases.a)vision free ,but chaining obstructed, b)chaining free, vision obstructed
	3rd	1.3.explain how to overcome the obstructions in chaining in the following cases.a)vision free ,but chaining obstructed, b)chaining free, vision obstructed
	4th	1.3.explain how to overcome the obstructions in chaining in the following cases.a)vision free ,but chaining obstructed, b)chaining free, vision obstructed
4TH WEEK	1st	2.0.Compass survey 2.1.set the instruments and how to take readings
	2nd	2.1.set the instruments and how to take readings
	3rd	2.1.set the instruments and how to take readings
	4th	2.1.set the instruments and how to take readings
5TH WEEK	1st	2.2. find the bearings of line and applying check
	2nd	2.2. find the bearings of line and applying check
	3rd	2.2. find the bearings of line and applying check
	4th	2.2. find the bearings of line and applying check
6TH WEEK	1st	2.3.find the angles
	2nd	2.3.find the angles
	3rd	2.3.find the angles

	4th	2.3.find the angles
7TH WEEK	1st	2.4. demonstrate the closed traversing of a small plot
	2nd	2.4. demonstrate the closed traversing of a small plot
	3rd	2.4. demonstrate the closed traversing of a small plot
	4th	2.4. demonstrate the closed traversing of a small plot
8TH WEEK	1st	3.0.Levelling 3.1.demonstrate the temporary adjustment of a dumpy level and reading the staff.
	2nd	3.1.demonstrate the temporary adjustment of a dumpy level and reading the staff.
	3rd	3.2.Find the exact level differentbetween two stations visible from the centre of instrument station.
	4th	3.2.Find the exact level differentbetween two stations visible from the centre of instrument station.
9TH WEEK	1st	3.2.Find the exact level differentbetween two stations visible from the centre of instrument station.
	2nd	3.2.Find the exact level differentbetween two stations visible from the centre of instrument station.
	3rd	3.3. demonstrate the fly levelling between the two stations with three settings.
	4th	3.3. demonstrate the fly levelling between the two stations with three settings.
10TH WEEK	1st	3.3. demonstrate the fly levelling between the two stations with three settings.
	2nd	3.3. demonstrate the fly levelling between the two stations with three settings.
	3rd	4.0.Contouring 4.0.demonstrate the contouring of a small plot and plotting the contour by various methods(direct and indirect).
	4th	4.0.demonstrate the contouring of a small plot and plotting the contour by various methods(direct and indirect).
11TH WEEK	1st	4.0.demonstrate the contouring of a small plot and plotting the contour by various methods(direct and indirect).
	2nd	4.0.demonstrate the contouring of a small plot and plotting the contour by various methods(direct and indirect).
	3rd	4.0.demonstrate the contouring of a small plot and plotting the contour by various methods(direct and indirect).
	4th	4.0.demonstrate the contouring of a small plot and plotting the contour by various methods(direct and indirect).

REFERENCES BOOKS	1	Surveying and levelling,N.N.Basak,Mc Graw Hill Education
	2	Surveying,B.C.Punmia,Firewall Media

Tapaswini Mohanty

TAPASWINI MOHANTY
FACULTY SIGNATURE

LESSON PLAN FOR WINTER 2025

DISCIPLINE:- ARCHITECTURAL ASSISTANTSHIP	SEMESTER:-5TH SEM	NAME OF THE TEACHING FACULTY:- MS.TAPASWINI MOHANTY
SUBJECT:- STRUCTURAL DETAILING LAB	NO. OF DAYS/PER WEEK CLASS ALLOTTED:- 4	SEMESTER - 5TH Sem DATE-12/09/2025 TO DATE- 15/11/2025 NO. OF WEEKS- 11WEEKS FROM
WEEK	CLASS DAY	THEORY TOPICS
1ST WEEK	1st	1.1.Layout plan for excavation for foundation
	2nd	1.1.Layout plan for excavation for foundation
	3rd	1.1.Layout plan for excavation for foundation
	4th	1.1.Layout plan for excavation for foundation
2ND WEEK	1st	1.2.structural details of foundation with plan and section
	2nd	1.2.structural details of foundation with plan and section
	3rd	1.2.structural details of foundation with plan and section
	4th	1.2.structural details of foundation with plan and section
3RD WEEK	1st	1.2.structural details of foundation with plan and section
	2nd	1.3.structural details of plinth beam with plan and section
	3rd	1.3.structural details of plinth beam with plan and section
	4th	1.3.structural details of plinth beam with plan and section
4TH WEEK	1st	1.3.structural details of plinth beam with plan and section
	2nd	1.4..structural details of column with plan and section
	3rd	1.4..structural details of column with plan and section
	4th	1.4..structural details of column with plan and section
5TH WEEK	1st	1.4..structural details of column with plan and section
	2nd	1.4..structural details of column with plan and section
	3rd	1.4..structural details of column with plan and section
	4th	1.5.structural details of lintel beam with plan and section
6TH WEEK	1st	1.5.structural details of lintel beam with plan and section
	2nd	1.5.structural details of lintel beam with plan and section
	3rd	1.5.structural details of lintel beam with plan and section
	4th	1.6.structural details of slab beam with plan and section
7TH WEEK	1st	1.6.structural details of slab beam with plan and section
	2nd	1.6.structural details of slab beam with plan and section
	3rd	1.6.structural details of slab beam with plan and section
	4th	1.6.structural details of slab beam with plan and section
8TH WEEK	1st	1.6.structural details of slab beam with plan and section
	2nd	1.6.structural details of slab beam with plan and section
	3rd	1.7.structural details of slab with plan and section
	4th	1.7.structural details of slab with plan and section
9TH WEEK	1st	1.7.structural details of slab with plan and section
	2nd	1.7.structural details of slab with plan and section
	3rd	1.7.structural details of slab with plan and section

	4th	1.7.structural details of slab with plan and section
10TH WEEK	1st	1.8.structural details of chhajja with plan and section
	2nd	1.8.structural details of chhajja with plan and section
	3rd	1.8.structural details of chhajja with plan and section
	4th	1.8.structural details of chhajja with plan and section
11TH WEEK	1st	1.8.structural details of staircase with plan and section
	2nd	1.8.structural details of staircase with plan and section
	3rd	1.8.structural details of staircase with plan and section
	4th	1.8.structural details of staircase with plan and section

REFERENCES BOOK	1	RCC -design and drawing by Neelam Sharma
	2	RCC- R.S.Khurmi
	3	IS 456:2000-Plain and reinforced concrete-code of practice
	4	is.sp.34.1987.Handbook on concrete reinforcement and detailing

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