

Jawaharlal Nehru Government Engineering College, Sundernagar

Department of Civil Engineering

COURSE: Civil Engineering software Laboratory-II (CE-420 P)/C415

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Course Type Core
Course- Coordinator Ms. Madhu Sharma
Grading Total Marks 25
 End Semester Exam, 50% (25 Marks)
 Internal Assessment 50% (25 Marks)
 Lab work 30% Lab record 25% viva 25% Attendance 20%

Lab Timings : Wednesday G2 [02:00-04:00], Friday G1 [02:00-04:00]

Important Date – Academic Calendar 2017-2018 (HPTU)

Semester start:- Jan 3,2018

Mid Term Exam (Test-1) 19-22 Feb. 2018

Last Teaching Day: April 18, 2018

Mid Term Exam(Test-2) 02-04 April. 2018

Course Topics, Objectives and Duration/Schedule Plan of Labs

Topic	Objectives	Target POs	Duration (Hours)*	Reschedule if any	Readings*
Drawing using AUTOCAD SOFTWARE Infiltration gallery (with one infiltration well, one straight gallery pipe, one inspection well and one jack well). {Practice Only} Rapid Sand Filter, Septic Tank with dispersion Trench/ Soak pit. R.C.C square overhead tank supported by four columns. R.C.C Slab Culvert with splayed wing walls. Two span Pipe Culvert. Two span Tee Beam Bridge with square returns.(Practice Only) Road Over Bridge (Pile foundation, Pile Gap ,Column, Pre cast Beams & Deck slab) – {Practice Only}		PO1, PO2,PO3, PO4, PO5, PO12	08 JAN [9,11,12,16,18,19,23,30], . April		TB1,RB1, OR9,RW12
		PO1, PO2,PO3, PO4, PO5, PO12	09 FEB [01,02,06,08,09,13,15,16,23]		TB1,RB1, OR9,RW12
		PO1, PO2,PO3, PO4, PO5, PO12	11 MARCH [06,08,09,13,15,16,20,22,23,27,29]		TB1,RB1, OR9,RW12
		PO1, PO2,PO3, PO4, PO5, PO12	06 APRIL [06,10,12,13,17,19,20]		TB1,RB1, OR9,RW12

Course Outcomes CE 420(P)

Upon successful completion of the Laboratory, students will be able to :

- C415.1: Demonstrate the how to operate the software commands.
- C415.2: Model the structural components with the help of self created and available model
- C415.3: Choose and examine the output file to get a justified results
- C415.4: Develop a ethics to work in groups

Mapping of course outcomes(Cos) to Programme Outcomes(Pos)

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C415.1:	2	3		3	2				3	2	1	2
C415.2:	3	3		3	2				3	1		2
C415.3:	3	3		3	3							2
C415.4:	2	2	3	2	3				3	3		3

1: Related

2: Moderately Related

3: Strongly Related