

Approved by: AICTE, New Delhi | Affiliated to CSVTU, Bhilai

DEPARTMENT OF CIVIL ENGINEERING

COURSE OUTCOMES SUMMARY SHEET

6TH SEM

On successful completion of this course, students should be able to

Course	COURSE OUTCOMES		
П-	C311.1	Differentiate between plastic and elastic analysis. (Level-4)	
C311. Structure ineering Design	C311.2	Appraise various design philosophies used in structure engineering design. (Level-4)	
	C311.3	Analyze and design simple bolted and welded connections subjected to axial load. (Level-4,5)	
C311. Str Engineering	C311.4	Analyze and design axially loaded Tension member and compression member using limit state method. (Level-4,5)	
Eng	C311.5	Analyze and design Laterally Supported and Laterally Unsupported Beams using limit state method. (Level-4,5)	

On successful completion of this course, students should be able to

Course	COURSE OUTCOMES		
	C312.1	Apply the knowledge to plan, design, construct and monitor a waste water	
		treatment plant.(Level - 3)	
C312. Environment Engineering	C312.2	Summarize complexities in the characteristics of water/ waste water i.e.	
		available and correct treatment method.(Level -2)	
	C312.3	Justify the pattern of water storage and recommend the correct distribution	
		methods suitable for the city.(Level -6)	
ngi	C312.4	Analyze the wastes coming in for treatment and decide upon the techniques of	
C312.		treatment to be given.(Level -4)	
	C312.5	Apply the knowledge reused to develop a positive attitude to earth,	
		Environment and its protection against pollution and adopt safer methods.(
		Level -3, 5)	



Run by: Shivnath Shikshan & Seva Samiti

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Course	COURSE OUTCOMES		
ics	C313.1	Explain Estimation including its types, general terms used in construction,	
E 2.		purpose and various methods. (Level-2)	
no Ing	C313.2	Explor e the concepts of detailed estimate of Buildings, scheduled of RCC	
(co)		building components Road Earthwork and Canal. (Level-2)	
F 2	C313.3	Analyse the Rates of different construction works by using thumb rules with	
ii.		current schedule of rates and specify the Acts pertaining to minimum wages.	
eer		(Level-4)	
gin	C313.4	Illustrate the contracts, related conditions, termination of contracts, brief idea	
C313. Engineering Economics Estimation & Costing		about tender and it's documents. (Level-5)	
	C313.5	Explain the importance of engineering economics in construction industry, cost control techniques and valuation of properties. (Level-2)	

On successful completion of this course, students should be able to

Course	COURSE OUTCOMES	
e e	C314.1	Discuss the concrete making materials.(level 2)
C314. Concrete Technology	C314.2	Distinguish admixtures and interpret the property of Fresh concrete (level 2,3)
	C314.3	Analyze the hardened concrete and durability. (level 4)
	C314.4	Develop concept of concrete mix design. (level 5)
ည် [†]	C314.5	Show property & need of special concrete & concreting method. (level 3)



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Course	COURSE OUTCOMES		
ering	C315.1	Understand the fundamentals of construction, including project types, phases, and resource management.(level 2)	
5 Construction Engineering & Management	C315.2	Apply project planning techniques to develop construction schedules and plans.(Level 3)	
	C315.3	Analyze various construction methods and equipment for effective project execution.(level 4)	
	C315.4	Explain project monitoring and control methods to ensure project quality and safety.(level 5)	
C315	C315.5	Describe effective contract management strategies to handle construction project disputes and cost management.(level 1)	

On successful completion of this course, students should be able to

Course	COURSE OUTCOMES	
ab	C316.1	Analyze and interpret results of design packages. (Level- 3,4)
C316. Structural Engg.Lab	C316.2	Design RCC Frames using design package. (Level-5)
	C316.3	Design RCC Column and Isolated Footing using design package. (Level-5)
	C316.4	Design RCC Multistoried structure subjected to various types and combinations of load using design package. (Level-5)
	C316.5	Design Steel frames subjected to various types and combinations of load using design package. (Level-5)



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Course	COURSE OUTCOMES	
	C317.1	Determine the pH using pH meter, acidity and alkanity in a water/ waste
nta		water sample.(Level-4)
nei	C317.2	Find hardness And turbidity in water/waste water using turbidity meter.(
00 50		Level -4)
Environmental Engg.	C317.3	Determine the chloride content in various water/wastewater samples.(
E E		Level -4)
C317.	C317.4	Determine the D.O. content in any water/wastewater samples.(Level -4)
	C317.5	Compare the BOD and COD values for a given sewage /industrial waste
		water sample in BOD incubator.(Level -2)

On successful completion of this course, students should be able to

Course	COURSE OUTCOMES	
C318 . Computer Aided Civil Engg. Drawing lab	C318 .1	Use the AutoCAD Interface & Commands. (Level- 3)
	C318 .2	Sketch Single Line Plan Of Various Structures. (Level- 3)
	C318 .3	Draw the Plan & Cross-Section Of Foundation. (Level- 3)
	C318 .4	Draw Working Drawing of Residential Buildings. (Level- 3)
	C318 .5	Draw The Different Perceptive View In Software. (Level-3)

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b.	C319.	Discuss the concrete making materials.(level 2)
Concrete Technology Lab	1	
lmo]	C319.	Distinguish admixtures and interpret the property of Fresh concrete (level 2,3)
ech	2	
te T	C319.	Analyze the hardened concrete and durability. (level 4)
crete Lab	3	
, on	C319.	Develop concept of concrete mix design. (level 5)
C319. C	4	
	C319.	Show property & need of special concrete & concreting method. (level 3)
	5	

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