CO34563: Design and Analysis of Algorithms

Lecture Plan

S.NO	Topics	No of Lectures
1.	Introduction	3
2.	Asymptotic notation	2
3.	Divide and conquer	3
4.	Recurrences	3
5.	Greedy Methods	2
6.	Dynamic programming	3
7.	Backtracking	2
8.	Randomized Algorithms	2
9.	NP Problems	3
10.	Code tuning techniques	2
11.	Sorting Algorithms	3
12.	Searching Algorithms	3
13.	Data Structures Algorithms	3
14.	Graph/Tree Algorithm	4
15.	Number-theoretic algorithms	2
16.	Data Stream Algorithms	1
17.	Semi-Numerical Algorithms	1
18.	Parallel algorithm	2
19.	Aprroximation Algorithms	3
20.	Test/Exam paper discussion	3
	Total	**50**