



CS2x1:Data Structures and Algorithms

Spring 2022-23

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CS2x1: Personnel

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Dept. of . CSE

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List of Topics [CS201]

- Introduction:

- *Data structures*
- *Abstract data types*
- *Analysis of algorithms.*

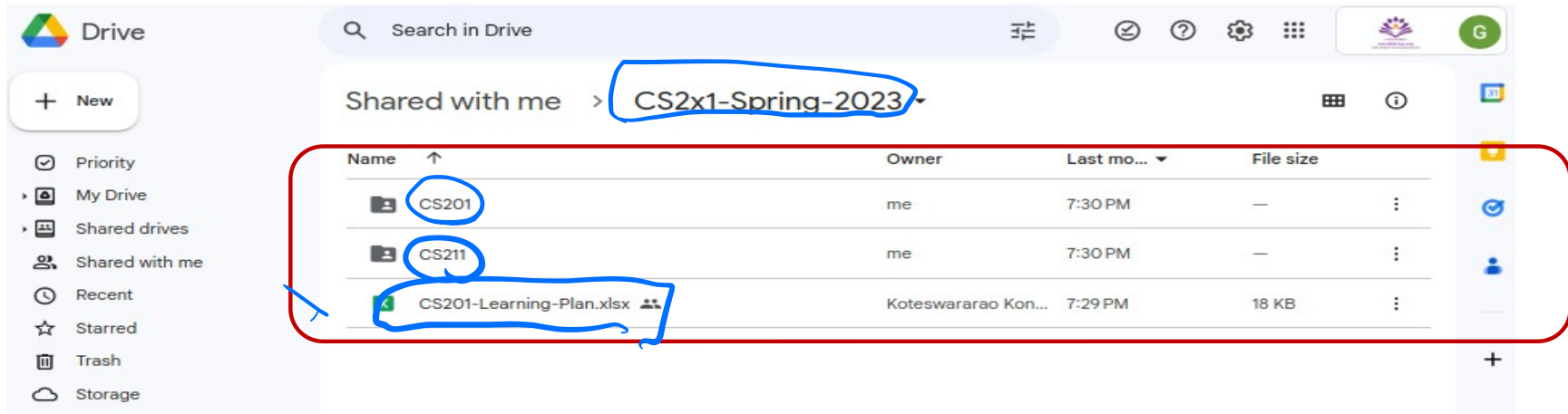
- Creation and manipulation of data structures:

- *Arrays; Stacks; Queues; Linked lists; Trees; Heaps; Hash tables; Balanced trees, Graphs.*

- Algorithms for sorting and searching, depth-first and breadth-first search, shortest paths and minimum spanning tree.

Suggestions for this semester

- Maintain a folder for CS201-211: Create two internal folders CS201 and CS211, in your computer to store all the file. More details will be provided on this for better access the required things. 📁



The screenshot shows the Google Drive interface. On the left is the sidebar with navigation options: New, Priority, My Drive, Shared drives, Shared with me, Recent, Starred, Trash, and Storage. The main area displays the 'Shared with me' view, specifically a folder named 'CS2x1-Spring-2023'. Inside this folder, there are three items: a folder named 'CS201', a folder named 'CS211', and a file named 'CS201-Learning-Plan.xlsx'. The folders 'CS201' and 'CS211' are circled in blue, and the file 'CS201-Learning-Plan.xlsx' is also circled in blue. A red rounded rectangle encloses the entire list of items within the 'CS2x1-Spring-2023' folder. The table below represents the data shown in the screenshot:

Name	Owner	Last mo...	File size
CS201	me	7:30 PM	—
CS211	me	7:30 PM	—
CS201-Learning-Plan.xlsx	Koteswararao Kon...	7:29 PM	18 KB

- Everyone should get the call presentations and additional materials from the above specified drive

Evaluation Policy → CS201

Grading Item	Activity Type	Weight
<u>Main Quiz#1/Assignment#1</u>	Individual	15%
<u>Mid term</u>	Individual	30%
<u>Main Quiz#2/Assignment#2</u>	Individual	15%
<u>End term</u>	Individual	40%

Examination Dates → CS201

Grading Item	Apr. Date	Weight
Main Quiz#1/Assignment#1	<u>1-5/05/2023</u> ③	15%
Mid term	<u>22-27/05/2023</u>	30%
Main Quiz#2/Assignment#2	<u>15-20/06/2023</u>	15%
End term	<u>10-16/07/2023</u>	40%

Evaluation Policy → CS211

Grading Item	Activity Type	Weightage	Viva
Assigment#0	Individual	0%	0%
Assigment#1	Individual	6%	4%
Assigment#2	Individual	6%	4%
Assigment#3	Individual	6%	4%
Mid-exam Lab	Individual	15%	
Assigment#4	Individual	6%	4%
Assigment#5	Individual	6%	4%
Assigment#6	Individual	6%	4%
Assigment#7	Individual	6%	4%
End-exam Lab	Individual	15%	

Tools



- Quiz/Assignment and Discussion



[Doubts and discussions \(iitdh.ac.in\)](https://iitdh.ac.in)



- Video Lectures Slides



- Google Collaboration Laboratory



<https://workspace.google.com/marketplace/search/Colaboratory>



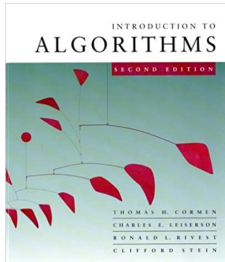
- Discord for discussion (an alternative for Moodle forum)

Learning

- Review before mid-semester and end-semester
- Crib sessions
- Please help us by approaching if you have any issues



Text book

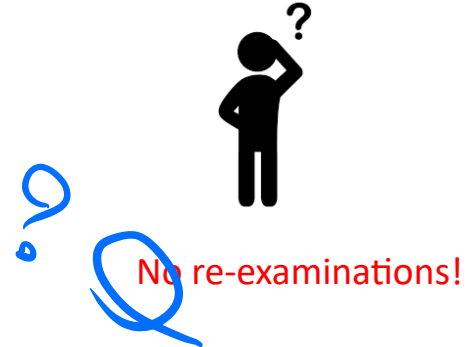


Notes

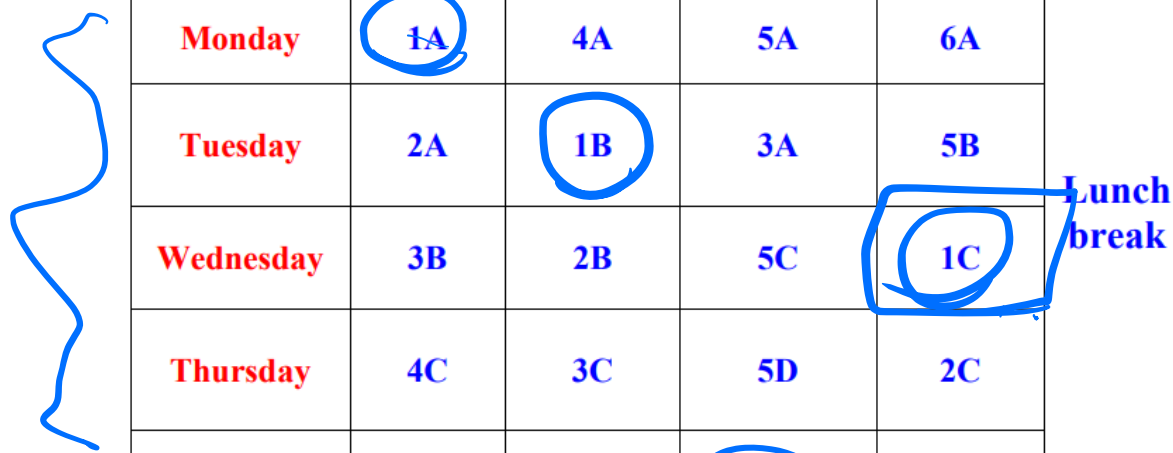


HONESTY

Balance courses
and
Personal life



Timetable



Day/Time	8:30 – 9:25	9:30 – 10:25	10:30 – 11:25	11:30 – 12:25		14:00 – 14:55	15:00 – 15:55	16:00 – 16:55	17:00 – 17:55
Monday	1A	4A	5A	6A			14:30-17:25 L1 /L7		
Tuesday	2A	1B	3A	5B			14:30-17:25 L2 /L5		
Wednesday	3B	2B	5C	1C	Lunch break	4B	15:00-16:25 L6 (B3, B4)	16:30-17:55 L6 (B1, B2)	
Thursday	4C	3C	5D	2C			14:30-17:25 L3		
Friday	3D	2D	1D	4D		6B	14:30-17:25 L4		
Saturday	Quiz	Quiz	5E						

- Only theory course 
- Any timetable overlapping's – not suggestable to take

thank you!

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NEXT Class: 19/04/2023