

Elementary Data Structures and Algorithms

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CS 2401 – Spring 2020

	week	topics	book sections
Fundamentals	1	1-D Arrays, Loops, String Manipulation	XX
	2	Unit Testing, 2-D Arrays	XX
	3	Algorithm Analysis of Loops, Methods	XX
	4	Midterm Exam 1	XX
Algorithms	5	Recursion, Binary Search	XX
	6	Sorting	XX
Data Structures	7	Linked Lists	XX
	8	Midterm Exam 2	XX
	9	Inheritance, Doubly Linked Lists	XX
	10	Trees, Binary Trees, Binary Search Trees	XX
	11	Stacks, Queues	XX
	12	Stack & Queue Implementation	XX
	13	Midterm Exam 3	XX
	14	Miscellaneous	XX
	15	Final Exam Review	XX