

Spring 2025 Tentative Lecture Schedule

Date	Day	Class	Assignment Due	
1/15/2025	W	B1-C01   Introduction		1
1/16/2025	Th	L1   Mergesort		2
1/17/2025	F	B1-C01   Introduction		3
1/20/2025	M	MLK Jr. Service Day		
1/22/2025	W	B1-C02   Asymptotic Notation		4
1/23/2025	Th	L2   Fast exponentiation	L1   Mergesort	5
1/24/2025	F	DS-V01   A vector/list class    P1 introduction		6
1/27/2025	M	B1-C03   Divide and Conquer Algorithms		7
1/29/2025	W	B1-C03   Divide and Conquer Algorithms		8
1/30/2025	Th	L3   Radix sort / OS2: Sorting Comparisons	L2   Fast exponentiation	9
1/31/2025	F	B1-C05   Quicksort		10
2/3/2025	M	B1-C05   QS    B1-C06   Linear-Time Selection		11
2/5/2025	W	B1-C06   Linear-Time Selection		12
2/6/2025	Th	Test 1: Book 1	L3   Radix sort	13
2/7/2025	F	DS-SQ   Stacks and Queues	P1   Algorithms Demo	14
2/10/2025	M	DS-SQ   Stacks and Queues		15
2/12/2025	W	B2-C08   Peg game problem		16
2/13/2025	Th	L4   Infix to Postfix		17
2/14/2025	F	B2-C07   Graphs: The Basics	OS2: Sorting Comps	18
2/17/2025	M	B2-C08   Graph Search and Its Applications		19
2/19/2025	W	Bible Conference		
2/20/2025	Th	Bible Conference		
2/21/2025	F	Bible Conference		
2/24/2025	M	B2-C08   Graph Search and Its Applications		20
2/26/2025	W	B2-C08   Graph Search and Its Applications		21
2/27/2025	Th	L5   Expression Trees	L4   Infix to Postfix	22
2/28/2025	F	B2-C09   Dijkstra's Shortest Path		23
3/3/2025	M	B2-C10   The Heap Data Structure		24
3/5/2025	W	B2-C10   The Heap Data Structure		25
3/6/2025	Th	L6   Heap Apps / OS1a - contest problems	L5   Expression Trees	26
3/7/2025	F	B2-C1X   Heap variations	P2: Path through a Maze	27
3/10/2025	M	B3-C13   Intro to Greedy Algorithms		28
3/12/2025	W	B3-C15   Minimum Spanning Trees		29
3/13/2025	Th	Test 2: Book 2, Chapters 7-10	L6   Heap Applications	30
3/14/2025	F	Test 2: Book 2, Chapters 7-10	OS1: Contest Problems	31
3/17/2025	M	L8   Prims		32
3/19/2025	W	B3-C15   Minimum Spanning Trees		33
3/20/2025	Th	L7   Disjoint Sets		34
3/21/2025	F	B2-C11   Search Trees		35
3/24/2025	M	Spring Break		
3/26/2025	W	Spring Break		
3/27/2025	Th	Spring Break		
3/28/2025	F	Spring Break		
3/31/2025	M	B2-C11   Search Trees		36
4/2/2025	W	B2-C11   Search Trees	L8   Prims	37

4/3/2025	Th	B2-C12   Hashing	L7   Disjoint Sets	38
4/4/2025	F	B2-C12   Hashing	P3: Kruskals MWST	39
4/7/2025	M	B2-C12   Bloom Filters		40
4/9/2025	W	University Service Day		
4/10/2025	Th	Test 3: Books 2/3, Chapters 11-13, 15		41
4/11/2025	F	B3-C16   Intro to Dynamic Programming		42
4/14/2025	M	B3-C16   Intro to Dynamic Programming		43
4/16/2025	W	B3-C17   Advanced Dynamic Programming		44
4/17/2025	Th	L10   OBST		45
4/18/2025	F	B3-C17   Advanced Dynamic Programming		46
4/21/2025	M	B3-C17   Advanced Dynamic Programming		47
4/23/2025	W	B3-C18   Shortest Paths Revisited		48
4/24/2025	Th	L9   Mind Reader	L10   OBST	49
4/25/2025	F	B3-C18   Shortest Paths Revisited		50
4/28/2025	M	B3-C14   Huffman Codes		51
4/30/2025	W	Final Review 1		52
5/1/2025	Th	OS3: Object selection test	L9   Mind Reader	53
5/2/2025	F	Final Review 2	P4: OBST	54

<https://www.bju.edu/events/calendar/exams.php#spring>