

CS 61B Data Structures, Spring 2020

Instructor: Paul Hilfinger
Lecture: MWF 3-4PM, Wheeler 150

Announcements [[Past Announcements](#)]

Please also check our course Piazza for more announcements.

Date	Category	Announcement
1/10	Misc	This website is under construction. Do not rely on this information, as it is out of date and changing.
2/1	Projects	Project 0 (Signpost) released! You can find a link to the spec in the calendar below. Due 2/18.
1/21	Lectures	The first two lectures for this course (Wednesday and Friday) will be in Zellerbach Auditorium. Subsequent lectures will be in Wheeler, as on the class schedule.
1/21	Lectures	Because the class is bigger than Wheeler will hold, we do not require lecture attendance. Feel free to use the screencasts and posted slides (linked to from the website) instead. After the first few sessions, enough people will use these resources exclusively that there will be room in Wheeler for all who prefer to attend in person.
1/21	Admin	Announcements from outside groups will be kept on Piazza in the outside_postings folder. You can narrow your view to this category using the tab on the folder bar at the top of the Piazza page.
1/21	Admin	Tests will be as follows: <ul style="list-style-type: none"> • Test #1: Thursday, 27 February 2020 • Test #2: Wednesday 1 April 2020 • Final: Wednesday, 13 May 2020 7:00PM-10PM
1/21	Admin	To join the Piazza page for CS 61B, head over to this this link .
1/21	Admin	The Scores tab above will show you what you have submitted and any logs produced by the autograder.

Calendar

Legend:

- HFJ: *Head First Java*
- AJR: [A Java Reference](#)
- DSIJ: [Data Structures \(Into Java\)](#)

Week	Date	Reading	Lecture	Discussion	Lab	Assignments/Exams
	Mon 1/20	No classes				

1	Wed 1/22	HFJ 1-26	Intro, Hello World Java [slides]	No discussion section	javac, java, git	HW0: A Few Java Exercises (due 1/31)
	Fri 1/24	AJR 1.1-1.9	A Little Programming [slides] [code]			
2	Mon 1/27	HFJ 27-36. AJR Chapter 4	Values and Containers [slides] [code]	Intro to Java [Solution]	IntelliJ and IntLists	[HW0 due 1/31] HW1: JUnit testing, basic syntax, and linked lists (due 2/7) Project 0: Signpost (due 2/18)
	Wed 1/29		Simple Pointer Manipulation [slides] [code]			
	Fri 1/31	HFJ 670	Arrays [slides] [code]			
3	Mon 2/3	HFJ 50-62	Developing a Sort, Unit Testing [slides] [code]	Pointers [Solution]	IntDLists and Debugging (due 2/10)	[HW1 due 2/7] HW2: Arrays and Lists of Lists (due 2/14)
	Wed 2/5	HFJ 73-87	Object-Based Programming [slides] [code]			
	Fri 2/7	HFJ 168-191, 236-265, 287-293	Object-oriented Mechanisms [slides]			
4	Mon 2/10	HFJ 200-229	Interfaces and Abstract Classes [slides]	Objects [Solution] Exam Prep [Solution]	Project 0 Office Hours (No lab assignment)	[HW2 due 2/14] HW3: OOP, Interfaces, and Inheritance (due 2/21)
	Wed 2/12	HFJ 73-87	Interfaces and Abstract Classes [slides] [code]			
	Fri 2/14		Examples: Comparable and Reader [slides] [code]			
5	Mon 2/17	Presidents' Day		Inheritance [Solution] Exam Prep	Object-Oriented Programming,	[Project 0 (Signpost) due 2/18] [HW3 due 2/21] Project 1: The Enigma
	Wed 2/19	HFJ 228-229. 250-256, 316-348	Additional OOP Details, Exceptions [slides]			

	Fri 2/21	HFJ 154-160, 587-593, 665-668	Packages, Access, Loose Ends [slides]	[Solution]	Debugging	(due 3/10)
6	Mon 2/24	AJR 6.3, 6.4, HFJ 274-310	Integers [slides]	Test Review [Solution]	Testing and Debugging8	HW4: Scanners and Patterns (due 3/6)
	Wed 2/26	DSIJ Chapter 1	Integers			
	Thur 2/27	Test #1, 8-10PM				
	Fri 2/28		Complexity [slides]			
7	Mon 3/2	DSIJ Chapters 2 and 3	Collections, Amortization [slides]	Bits and Algorithmic Analysis [Solution] Exam Prep [Solution]	Project 1 Office Hours	[HW4 due 3/6] HW5: Bit Operations, Asymptotic Analysis (due 3/13)
	Wed 3/4	DSIJ Chapter 4	Sequences, Some Design Patterns [slides] [code]			
	Fri 3/6		Sequences (II)			
8	Mon 3/9	DSIJ Chapter 5	Trees [slides]	More Algorithmic Analysis [Solution] Exam Prep [Solution]	Asymptotic Analysis	[HW5 due 3/13] [Project 1 (Enigma) due 3/10] HW6: Searching: BSTs, Ranges, and Hashing (due 3/20) Project 2: TBA (due 4/6) Project 2 milestone (due 4/3)
	Wed 3/11	DSIJ Chapter 6	Tree searching [slides] [code]			
	Fri 3/13		Game trees [slides]			
9	Mon 3/16	DSIJ 6.4, 6.5	Priority Queues, Range Queries [slides]	Binary Trees [Solution] Exam Prep [Solution]	Priority Queues, Debugging	[HW6 due 3/20]
	Wed 3/18	DSIJ Chapter 7	Hashing [slides]			
	Fri 3/20	AJR Chapter 10	Generics [slides]			
10	3/23	Spring Break		No discussion section		
	3/25	Spring Break				
	3/27	Spring Break				

11	Mon 3/30	DSIJ 8	Sorting [slides]	Heaps and Hashing [Solution] Exam Prep [Solution]	Project 2 Office Hours	[Project 2 milestone due 4/3] HW7: Sorting (due 4/10)
	Wed 4/1		Review			
	Wed 4/1	Test #2, 8-10PM				
	Fri 4/3		Sorting (II) [slides]			
12	Mon 4/6	sorting demos	Sorting (III) [slides]	Sorting [Solution] Exam Prep [Solution]	Files in Java	[HW7 due 4/10] [Project 2 due 4/6] HW8: Balanced Search (due 4/17) Project 3: Gitlet (due 5/1) Project 3 milestone (due 4/27)
	Wed 4/8	DSIJ 9 balanced-search demos	Balanced Search Structures			
	Fri 4/10		Balanced Search Structures (II) [slides]			
13	Mon 4/13	DSIJ 11	Pseudo-Random Sequences [slides]	Balanced Search [Solution] Exam Prep [Solution]	Software Engineering	[HW8 due 4/17] HW9: Graphs (due 4/24)
	Wed 4/15	DSIJ 12	Graphs, Introduction, Traversals [slides]			
	Fri 4/17		A* Search, Minimal spanning trees, Union-find [slides]			
14	Mon 4/20		Git internals [slides]	Graphs [Solution] Exam Prep [Solution]	Lambdas, Streams, Functional Programming	[HW9 due 4/24]
	Wed 4/22	DSIJ 10, HFJ pp. 489-516	Dynamic Programming, Enumeration Types [slides]			
	Fri 4/24		Threads, Garbage Collection [slides]			
		Slides from	Compression (extra			

15	Mon 4/27	Josh Hug	material; see ? slides) [slides]	A* Search [Solution] Exam Prep [Solution]	Project 3 Office Hours	[Project 3 milestone due 4/27] [Project 3 (Gitlet) due 5/1]
	Wed 4/29		(See previous slides)			
	Fri 5/1		Summary, Survey [slides]			
16	Mon 5/4	RRR week		No discussion section	No labs	
	Mon 5/6	RRR week				
	Mon 5/8	RRR week				

Discussion and Lab Schedule

Feel free to attend any discussion and lab you want. If the room is full, priority seating will go to students who signed up for that section.

Discussions:

- Regular - Red
- Exam Prep - Purple
- No CS 61A - Orange

Office Hour Schedule

Note that office hours are subject to change by week, so please check here often for the most up-to-date office hours.

TA Office Hours:

- Morgan 109 - Red
- Soda 430 (Wozniak Lounge) - Yellow
- Jacobs 210 - Green
- Cory 289 - Gray
- Soda 271 - Blue

Professor Office Hours:

- Professor Hilfinger's office hours are in 787 Soda Hall. In addition to the posted hours (in purple), feel free to drop by whenever the door is open.

CS 61B Office Hours

正在加载...

用以显示事件的时区：北美太平洋时间 - 洛杉矶