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CIT-130	WED 1-MAY-19		2		design and workshop time 		
CIT-130	WED 8-MAY-19	14	1	* Bring fully-baked projects to share. * Same time and place as normal Wednesday class	Sharing term projects and final checkout  Final session checklist	14.L.1:	

CIT-244: Object-oriented design in Java

The following table maps course session dates, lesson topics, LIANG9 references, and content links for all three Java courses in the series.

Course	SP19 Est.	Wk.	Sess.	Session description	Module links	Language objectives	Out-of-class work
CIT-244	MON 28-JAN-19		1		String manipulation and array review  Week 1 Module	CCAC.244.LO.1: Apply Java language elements to use string(sic) processing techniques in a program CCAC.244.LO.2: Apply Java language elements to create programs with single dimension arrays of primitives and objects. APply Java language elements to use string(sic) processing techniques in a program	
CIT-244	WED 30-JAN-19	1	2	 Too cold for school!		 LIANG9 Textbook: Chapter 6: Arrays Chapter 9: Strings	
CIT-244	MON 4-FEB-19		1		Inheritance revisited: Teasing apart use cases for plain inheritance, abstract methods, and interfaces	2.L.1: 2.L.2:  LIANG9 Textbook: Chapter 15: 15.1 - 15.8	
CIT-244	WED 6-FEB-19	2	2		2.L.1: 2.L.2: 		
CIT-244	MON 11-FEB-19	3	1		Exploring constructors and interfaces with a Comparable Computer object  Week 3: Abstract classes & interfaces	3.L.1: 3.L.2:  LIANG9 Textbook: Chapter 11: Inheritance and	

Course	SP19 Est.	Wk.	Sess.	Session description	Module links	polymorphism Language objectives Chapter 15: Abstract classes and interfaces	Out-of-class work
CIT-244	WED 13-FEB-19	2			<p>Exercise 1: Group code-along of an Integer array which has a natural ordering and can be sorted by Arrays.sort(Object[] o)</p> <p>Exercise 2: Creating the Computer class and a four-argument constructor. Populating an array with Computers.</p> <p>Exercise 3: Implement Comparable inside Computer and test with Arrays.sort().</p> <p>Exercise 4: Abstract classes - Add a child</p>		
CIT-244	MON 18-FEB-19	4	1		<p>Inheritance Practice: Modeling computer timelines and file I/O</p> <p>Study this document used by the CIT-115 students to create the computer history timeline in the hall. Your job is to model the timeline components in Java such that the data is stored in a File and can be retrieved and re-created as the timeline evolves.</p> <p> Computing power timeline</p> <p> LIANG9: Chapter 11 - Inheritance</p> <p> LIANG9: Chapter 15 - Abstract classes</p> <p> LIANG9: Chapter 14.10-14.13 - File i/o</p> <p> File I/O Project specs</p>	<p>Write to and from files</p> <p>Create a data encoding scheme for the data in files that works with your program's inheritance scheme</p>	
CIT-244	WED 20-FEB-19		2				
CIT-244	MON 25-FEB-19	5	1		<p>Data store API project design and workshop time</p> <p>Connecting Java applications and the file system: Introducing file I/O</p> <p></p>	5.L.1:	
CIT-244	WED 27-FEB-19		2	Share data store projects		5.L.2:	
CIT-244	MON 4-MAR-19	6	1		<p>GUI Programming review: AWT and Swing essentials</p> <p></p>	6.L.1:	
						6.L.2:	
						 LIANG9 Textbook:	

Course	SP19 Est.	Wk.	Sess.	Session description	Module links	Language objectives	Out-of-class work
CIT-244	WED 6-MAR-19		2				
CIT-244	MON 11-MAR-19	7	1		Threads and multi-threaded programming: Introduction to the concurrency API 	7.L.1: 7.L.2:  LIANG9 Textbook:	
CIT-244	WED 13-MAR-19		2				
CIT-244	MON 18-MAR-19	8	1		Applying multi-threaded functionality to GUI applications to improve UX 	8.L.1: 8.L.2:  LIANG9 Textbook:	
CIT-244	WED 20-MAR-19		2				
CIT-244	MON 25-MAR-19	9	1		Implementing MVC: Combining the data store API project and Java FX 	9.L.1: 9.L.2:  LIANG9 Textbook:	
CIT-244	WED 27-MAR-19		2				
CIT-244	MON 1-APR-19	10	1		MVC Project design phase; Collaborative software development planning 	10.L.1: 10.L.2:  LIANG9 Textbook:	
CIT-244	WED 3-APR-19		2				
CIT-244	MON 8-APR-19	11	1		Implementing MVC multi-person programming project 	11.L.1: 11.L.2:  LIANG9 Textbook:	
CIT-244	WED 10-APR-19		2	Share data store API collaborative projects			
CIT-244	MON 15-APR-19		-				
CIT-244	WED 17-APR-19		-				
CIT-244	MON 22-APR-19	12	1		Algorithm development: Creating a Collection-like class on your own	12.L.1: 12.L.2:	