

Date	Topics	Activities	Reading	BCG Tutorial
8/28	Introduction			
8/30	Android OS Overview		BCG: Key Android Concepts	
9/4	Java for C++ Programmers		BCG: Key Android Concepts Teach Yourself Java in 21 Minutes https://learnxinyminutes.com/docs/java/	
9/6	Android App Components		BCG: Key Android Concepts Android Developer Guides: Application Fundamentals	
9/11	The Android SDK		BCG: Choosing Your Development Toolchain BCG: Introducing Gradle and the Manifest	Tutorial #1 - Installing the Tools Tutorial #2 - Creating a Stub Project
9/13	Android Projects and Resources	Quiz 1	BCG: Android and Projects BCG: Contents of Android Projects BCG: Some Words About Resources	Tutorial #3 - Changing Our Manifest (and Gradle File) Tutorial #4 - Adjusting Our Resources
9/18	Android Studio		BCG: Getting Around Android Studio BCG: Debugging Your App	
9/20	Basic Widgets		BCG: The Theory of Widgets BCG: Basic Widgets	
9/25	ConstraintLayout		CodeLab: Using ConstraintLayout to design your Android views BCG: Other Common Widgets and Containers	
9/27	XML-Based Layouts	Quiz 2	BCG: The Android User Interface BCG: LinearLayout and the Box Model	Tutorial #5 - Making Progress
10/2	Introduction to Kotlin		https://learnxinyminutes.com/docs/kotlin/ Get Started with Kotlin on Android CodeLab: Build Your First Android App in Kotlin CodeLab: Taking Advantage of Kotlin	
10/4	Kotlin Features			
10/9	AdapterViews and Adapters		BCG: AdapterViews and Adapters	
10/11	RecyclerView	Mini-App 1 due	BCG: RecyclerView	
10/16	The Android Support Library		BCG: JARs and Library Projects	Tutorial #6 - Adding a Library
10/18	The Action Bar	Mini-App 2 due	BCG: The Action Bar BCG: AppCompat: The Official ActionBar Backport	Tutorial #7 - Setting Up the Action Bar
10/23	Processes and Activities		BCG: Activities and Their Lifecycles BCG: Android's Process Model	Tutorial #8 - Setting up an Activity
10/25	The Activity Lifecycle	Quiz 3	BCG: Android's Process Model BCG: Activities and Their Lifecycles BCG: Resource Sets and Configurations	

Date	Topics	Activities	Reading	BCG Tutorial
10/30	Fragments		BCG: Activities and Their Lifecycles BCG: Resource Sets and Configurations	Tutorial #9 - Starting Our Fragments
11/1	ViewPager		BCG: The Tactics of Fragments BCG: Activities and Their Lifecycles BCG: Resource Sets and Configurations BCG: Swiping with ViewPager	Tutorial #10 - Rigging Up a ViewPager
11/6	Material Design Components		BCG: Material Design Basics CodeLab: MDC-101 Android: Material Components (MDC) Basics (Kotlin)	
11/8	Material Design Layout	App 1 due	CodeLab: MDC-102 Android: Material Structure and Layout (Kotlin) CodeLab: MDC-111 Android: Incorporating Material Components into your codebase (Kotlin) Optional: CodeLabs MDC-103, MDC-104	
11/13	Android Jetpack Overview		Hello, Jetpack: Build your first Jetpack app Guide to App Architecture	
11/15	Android KTX	Quiz 4	Android KTX	
11/20		Fall Recess - No class		Tutorial #11 - Adding Simple Content
11/22				Tutorial #12 - Displaying the Book
				Tutorial #13 - Using Some Preferences
11/27	Data Binding		ViewModel Data Binding Library CodeLab: Android Data Binding	
11/29	Threads and AsyncTask	Mini-App 3 due	BCG: Dealing with Threads	
12/4	SQLite Databases		BCG: SQLite Databases	Tutorial #14 - Saving Notes
12/6	Room	Quiz 5	Save data in a local database using Room	
12/11	Services and Intents		BCG: Services and the Command Pattern	Tutorial #14 - Saving Notes
12/13	AlarmManager and JobScheduler		BCG: AlarmManager and the Scheduled Service Pattern BCG: JobScheduler Schedule tasks with WorkManager	
12/14		Mini-App 4		
12/18		Quiz 6, Section 02, 17:00-18:50		
12/20		Quiz 6, Section 01, 17:00-18:50		
		App 2 due		