

50.001 Calendar (Term 4, 2020)

NOTICE: **Highlighted items** are those that are tentative, there will also be updates. Please check this calendar frequently

NOTICE 2: Session 3 videos are available [here](#). You may need to download to watch the video as the Dropbox video player seems to show only parts of the entire videos.

New: Session 3 slides with solution are available [here](#). Please find the solution towards the end of the slide deck.

Week	Topics	Material	Problem Set	1D Project	Tests and Exams
1 14 Sep	<div>All lessons online</div> Java Introduction Android Studio Array, String, Static Checking, Static Typing	Week 01 S1 videos S2 videos S3 slides	Begin Problem Set 1A and 1B Problem Set 1A and 1B submission (login to eDimension) Due date for Problem Set 1A and 1B: Wednesday 7 Oct 2020, 2359 hrs	1D project release Project Brief (link) UPDATE Admin Instructions - check regularly for updates. The budget per team is \$100 for consumables. Form your teams of 5 members within the same cohort and submit the names by Wednesday 30 Sep 2020, 2359 hrs	Please see Weeks 6, 9, 13 and 14.

				<p>A team of five members allows for f2f group discussion among all members, according to current Phase 2 rules.</p> <p>UPDATE A team of six members is ok, please observe the safe distancing necessary.</p>	
<p>2 21 Sep</p>	<p>All lessons online</p> <p>OOP Class Inheritance</p>	<p>Week 02</p> <p>S1 videos</p> <p>S2 videos</p> <p>S3 slides</p>			
<p>3 28 Sep</p>	<p>All lessons online</p> <p>Inheritance Polymorphism Abstract Class Interfaces</p>	<p>Week 03</p> <p>S1 videos</p> <p>S2 videos</p> <p>S3 slides</p>		<p>Due date: 30 Sept, 2020 Wed 23:59</p> <p>Submit your 1D project team membership</p> <p>Please read the project brief (see week 1) for grading rubric.</p>	

				<p>Check this tab for those without a team or without complete details.</p> <p>Previous showcases 2018 2019</p>	
<p>4 5 Oct</p>	<div>All lessons online</div> <p>Interfaces Comparable/Comparator Interface super/sub interfaces Exceptions Recursion</p>	<p>Week 04</p> <p>S1 videos</p> <p>S2 videos</p> <p>S3 slides</p>	<p>Wednesday 7 Oct 2020 2359 hrs: Problem Set 1A and 1B are due EXTENDED</p> <p>Begin Problem Set 2A and 2B</p> <p>Problem Set 2A and 2B submission (login to eDimension)</p> <p>Please begin instructor evaluations.</p>		
<p>5 12 Oct</p>	<div>All lessons online</div>	<p>Week 05</p> <p>S1 videos</p>	<p>UPDATE Monday 12 Oct 2020 2359 hrs: Problem Set 1A and 1B are due</p>	<p>1D project checkoff presentation in Session 3 (Wed or Thurs):</p>	

	OO Design Patterns	S2 videos	<p>Android Lesson 0 is available, to be completed on your own by 2 Nov 2020, 2359 hrs</p>	<p>Please keep strictly to: 6 mins presentation 4 mins Q&A Refer to: Schedule Timings confirmed for Checkoff 1</p> <p>Submit your slides before your checkoff slot here.</p> <p>Please read the project brief for grading rubric.</p> <p>Borrow mobile phones from DS Lab from 3.30 pm - 4.30 pm. Details in Page 1-2 of admin instructions.</p> <p>Wednesday 14 Oct 2020 2D Project briefing 9.00 am online before your 50.002 lesson. Briefing Recording Slides</p> <p>Please form your groups here (same link as the one provided for 50.002 students)</p>	
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8 2 Nov	<p>S1, S2: online S3: face-to-face</p> <p>Android programming S1: Java revision S2: Lesson 1 Random Images - Inner Classes, <i>setOnClickListener</i>, <i>Delegation</i> S3: Lesson 1 continues</p>	<p>Java Revision</p> <p>Android Lesson 1</p>	<p>Wednesday 4 Nov 2020 2359 hrs:</p> <ul style="list-style-type: none"> • Problem Set 2A and 2B are due <p>UPDATE Friday 6 Nov 2020 2359 hrs:</p> <ul style="list-style-type: none"> • Android Lesson 0 Quiz due 		
9 9 Nov	<p>S1, S2: online S3: face-to-face</p> <p>Android programming S1: Lesson 2 Part 1 - Static factory method, <i>EditText</i>, <i>Logcat</i>, <i>Toasts</i>, <i>BigDecimal</i> S2: Lesson 2 Part 2 - Manifest, <i>Explicit intent</i> S3: Lesson 2 Part 3 - Exceptions, <i>Activity Lifecycle</i>, <i>SharedPreferences</i></p>	<p>Android Lesson 2</p>	<p>UPDATE Friday 13 Nov 2020 2359 hrs:</p> <ul style="list-style-type: none"> • Android Lesson 1 Quiz due 		<p>UPDATE: Mid-term Exam (Internet Cutoff) 11 Nov 2020 Wednesday 2.30 pm - 4.30 pm</p> <p>Please arrive 30 min before the exam for setup</p> <p>Mid-term information</p> <p>Seating arrangement</p> <p>Past Mid-term (2018) questions</p>
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16 Nov	<p>S1, S2: online S3: face-to-face</p> <p>Android programming S1: Lesson 2 Part 4 - <i>Builder Design Pattern, Implicit Intents, URI</i> S2: Lesson 2 Part 5 - <i>Unit Testing</i> S3: Lesson 3 Comic App - <i>template method Design pattern, AsyncTasks</i></p>	Android Lesson 3	<p>Friday 20 Nov 2020 2359 hrs last day to report any discrepancy in problem set 1 & 2 scores</p> <p>UPDATE Friday 20 Nov 2020 2359 hrs:</p> <ul style="list-style-type: none"> Android Lesson 2 Quiz due 		
11 23 Nov	<p>S1, S2: online S3: face-to-face</p> <p>Android programming S1: Lesson 4 Pokédex - <i>adapter design pattern, RecyclerView</i> S2: Lesson 4 Pokédex - <i>Strategy design pattern, startActivityForResult()</i> S3: Lesson 5 Customer Review App, Firebase, Firebase Storage <i>download upload, AsyncTask vs Task API</i></p>	<p>Android Lesson 4</p> <p>Android Lesson 5</p>		<p>4D project second checkoff in Session 3 (Wed or Thurs).</p> <p>1D project second checkoff is cancelled. We convert it to consultation.</p> <p>Please read the project brief for grading rubric.</p> <p>This year we'll have a virtual showcase. Details here.</p>	

	OPTIONAL - Continue Lesson 4, 1D project matters, firebase realtime database API				
12 30 Nov	<div>S1, S2: CANCELLED S3: face-to-face</div> S1: cancelled S2: cancelled S3: 1D Project Demo		Please begin instructor evaluations	1D Project Final Checkoff In your respective cohort class venues Refer to: Schedule Prizes will be awarded, details in page 4 of the admin instructions. Please read these reminders in page 6 of the admin instructions. Consider applying for seed funding to improve your project. Page 3 of admin instructions. UPDATE Return mobile phones to I3Lab from 2:30 pm—3:30 pm.	
13 7 Dec	<div>S1, S2: online</div>	2020 Final Exam Please read the FAQs within the	UPDATE 9 Dec 2020 Return mobile phones to DS Lab from 2 pm - 4 pm.	We'll have a virtual exhibition this year.	Final Exam (Part-1, Programming, Internet Cutoff Rules)

	<p>S3: face-to-face</p> <p><u>S1: Revision - Programming Part</u></p> <p>S2: S3: Cancelled</p>	folder	<p>Details in <u>Page 1 of admin instructions.</u></p> <p>UPDATE 13 Dec 2020 2359 hrs Instructor evaluation is due. Please note that you will earn 2% participation marks for completing all instructor and course evaluations this term.</p> <p>Thank you very much for your feedback! Welcome your constructive suggestions on how to improve the course.</p>	<p>Monday 7 Dec 2020 2359 hrs</p> <ul style="list-style-type: none"> • Prepare a 3-5 min demo video on your system. Submit the raw file. • A description of your project. Use this <u>template</u> and submit a MS Word document. • An A1 poster about your project in PDF Make it simple, not wordy. It should be a visual illustration of your project. <p>Submit all requirements at the link in the <u>1D Project folder</u>.</p> <p>Start preparing your team's claim to the concur system. Please read <u>page 7 of the admin instructions</u>.</p>	<p>11 Dec 2020 Friday 2.30 pm - 4.00 pm</p> <p>Please arrive 30 min before the exam for setup</p> <p><u>Seating arrangement</u></p>
<p>14 14 Dec</p>	<p>No Lessons</p>		<p>Wednesday 16 Dec 2020 2359 hrs Complete the Exam Practice Quiz which is found in the <u>folder</u>. You will need Respondus</p>	<p>Monday 14 Dec 2020 2359 hrs Submit your source code and report at the link in the <u>1D Project folder</u>. You may submit a Github link to your code.</p>	<p>Final Exam (Part-2, Conceptual, Lockdown Browser)</p> <p>THURSDAY 17 Dec 2020 1.30 pm - 3.00</p>

			Lockdown Browser.	Suggestion on report.	pm Seating arrangement
15	No Lessons			Don't forget to prepare your team's claim to the concur system. Please read page 7 of the admin instructions.	