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COM4510/6510

Software Development for Mobile Devices

Lab1: Intro to this module

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Organisations, Information and Knowledge Group

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This module

- Lectures - On campus
- Fridays 11:00 am -12:00 am
week 4 (27th Sep) to week15 (13th Dec)
- Lab Classes - On campus
- Fridays 12:00 am -1:00 pm
week 4 (27th Sep) to week15 (13th Dec)
- Lab Classes - Online
- Mondays 11:00 am - 12:00 am
- Week 5 (4th October) to week 15 (13th Dec)
- Contact hours
- Thursday 2-5pm (by email)

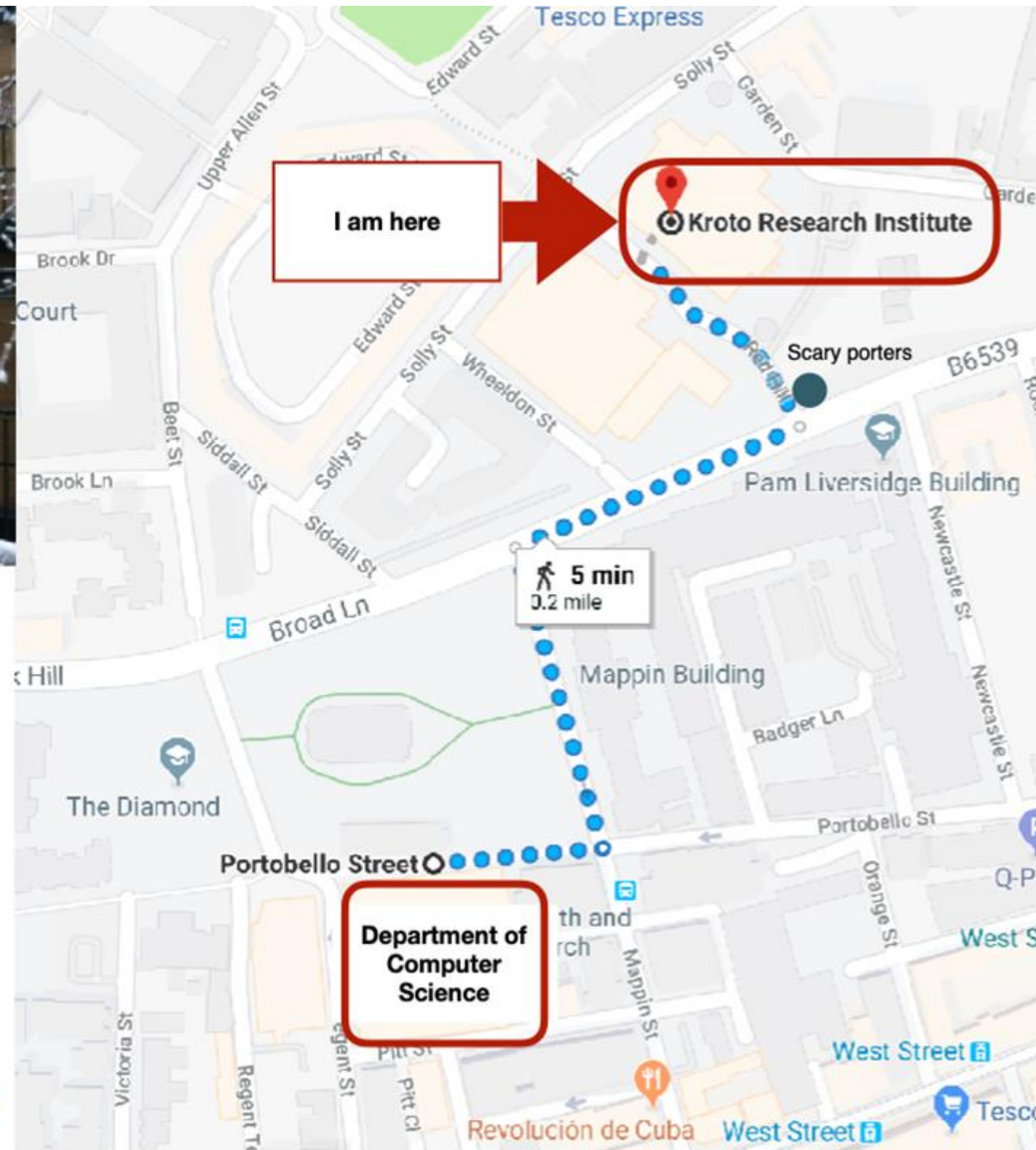


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Where to find me



Where to
find me
Kroto Building
LG-16
(note: LG = Lower Ground)



Reading materials

- Lecture notes
 - Web links
- Any book about Android development
 - *Head First Android Development.*
 - *Android App Development for Dummies.*
 - *Java: A Beginner's Guide, Sixth Edition.*
 - *Hello, Android: Introducing Google's Mobile Development Platform.*
 - *Busy Coder's Guide to Android Development.*
 - *Android Programming: The Big Nerd Ranch Guide.*
 - *Android Cookbook.*
 - *Professional Android 4th edition.*
 - *Android Programming with Kotlin for Beginners*
 - *Kotlin for Android App Development (Developer's Library)*

Do I need an Android phone to participate in the module?

Answer: no: we will use the emulator You can keep your iPhone if you really must



Assessment

- One project will constitute 100% of the assessment
- I am expecting to give you a specific topic and description
- I will confirm details after the first few labs
- Released in week 8
- **Deadline: week 15, Friday 17th Dec 2021 23:59**
- Please note the deadline is to be confirmed by the department!

Groups

- Assignment is to be done in groups
- Groups must be composed of a **max of 3 people**
- No groups of >3 are allowed **for any reason**
- YOU are allowed to CHOOSE YOUR GROUP!
- **However**
 - I may decide to step in and pair people together • if they are unable to find a suitable group
 - I may decide to add a third member to a group of two
 - if I think that a third member is needed

Assessment (2)

- FAQs (ctd):
- **FAQ 6: can I do the assignment on my own?**
- Answer: yes you can (but you will have to do the whole assignment on your own - I do not think it is a good idea)
- **FAQ 7: can we disband the group if it does not work?**
- Answer: yes but you will not be generally allowed to join another group
- Please always contact me **well in advance** for any problem or clarification

Groups, oh no !

- Every year at least 3 groups have **serious problems** during the first assignment

I have read this several times:

Person 1:

My partner

Did not contribute at all

Was never present when we decided to meet

Person 2:

I was busy, my cat was ill, I had a dentist appointment, actually attended once

Can you tell me where the problem is ?

Groups, oh no !

Groups of 3:

2 member says:

Our partner did not contribute at all

He is always silent and sometimes he does not even come to the meetings

The other member says:

My partners work very fast, talk a lot among themselves and never let me understand what they do. They are probably better than I am

Can you tell me where the problem is ?

Groups, oh no !

- **One member says:**
 - I have worked as software developer in companies, I know how to develop a project. I will set out a plan for everybody by using a well established strategy that I have devised myself based on best practices
 - The other members say nothing but in a while stop coming to the meetings. They are simply lazy and not committed to their study
- The group splits (yes you can split a group)
- **Who do you think got the best marks?**

Groups? Yes, groups

- Select your partner(s) with care
- Ask them about their marks
- Do it!!!
- Choose someone with marks similar to yours
- Do not try to be with better people to try to scrape better marks
- it does not work!
- Do not chose someone just because you fancy them
- Find a boy-/girl-friend another way
- Be very careful when you work in a group
- Listen to any sign of distress or disinterest
- Talk to your partner frankly and honestly
- Discuss with me any doubt
- That is not being nasty to your partner

What if I cannot find a group ?

- Start looking for a group NOW!!!
- Ask around
- Socialise
- Fill the appropriate form
- Talk to me asap
- We will have a session for people who are without group
- IF ALL FAILS you may be required to do the assignment on your own
- Please make sure that this does not happen

Start forming your group TODAY

Every year at least one person is left out, ends up doing the assignment by themselves (and generally fails)

Every year at least two groups are totally dysfunctional because they did not choose with care/were late/were just checking if partners were good looking

Register your group NOW!

- Every year 3 or 4 people cannot find a reasonable group because they left this to too late
- One person always ends up doing it on their own

COM4510-6510 - Group form ☆

File Edit View Insert Format Data Tools Add-ons Help All changes saved in Drive

100% £ % .0 .00 123 Arial 18 B I S A

	A	B	C	D	
1					
2					
3					
4	Group Name	Member 1	Member 2	Member3	contact email for the group
5					
6					
7					
8					
9					

Looking for partners ?

- No worries. Register now
- And contact the available people immediately!!
- This is on Sheet 2

COM4510-6510 - Group form					All changes saved in Drive				
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100% £ % .0 .00 123 Arial 10 B I S A									
fx									
	A	B	C	D	E				
1	LOOKING FOR A GROUP? Fill here. Would you like to register a group? Go to the next Sheet								
2		Name	Course	email address	Requirements (e.g. looking for a group of hackers who spend their nights programming - group interested in pictures of cats ...)				
3									
4									
5									

Group registration form

For Level 3 student (COM31007)

Group registration from:

https://docs.google.com/spreadsheets/d/1mxJaewY4ByBtwioVh_JKLO2hdxlrW_OV/edit#gid=1893727484

For Level 4 student (COM4510)

Group registration from:

<https://docs.google.com/spreadsheets/d/1fegBPn5BoNk-wn3rRzuvzZVD6zf0m8Pu/edit#gid=1893727484>

For MSc student (COM6510)

Group registration from:

https://docs.google.com/spreadsheets/d/1GycxoiLJf5zy4_JghoMxxSyMPd7x5jv-/edit#gid=1893727484

How to pass ?

- Come to the lectures
- If you do not understand, tell me
- Feel free to ask questions at any time
- Come to the lab classes and do all the exercises immediately
- Most lab classes give you a piece **to use in the assignment**
- Complete the assignment every week

Lecture Plan

- Lecture 1 (Week 4): Introduction to mobile computing and Andorid.
- Lecture 2 (Week 5): Introduction to Kotlin.
- Lecture 3 (Week 6): Android Views/LifeCycle
- Lecture 4 (Week 7): Design Patterns
- Lecture 5 (Week 8): Persisting data
- Lecture 6 (Week 9): Architectural components
- Lecture 7 (Week 10): Sensing, multi-threading and services
- Lecture 8 (Week 11): Services
- Week 12: Reading week
- Lecture 9 (Week 13): Contextualising user actions
- Lecture 10 (Week 14): Mobile Computing in the real world.
- Lecutre 11 (Week 15): Guest Lectures.



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Question ?

