



Dr. Earl Barr

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UCL Computer Science

- Part of the UCL Engineering Faculty
- A world leading research department
 - 500 Undergraduates
 - 550 Masters
 - 180 PhD/EngD
 - 75 Academic Staff
 - 60 Research Staff
 - 40 Admin and Technical Staff



Leadership

- Our mission is to be leaders in
 - Research
 - Teaching
 - Engagement with society
 - Global Impact



The REF Tournament







Leadership

UCL CS is the #1 CS department in the UK and one of the best in the world



Leadership — Startups

MediaGamma

Converting data streams to revenue streams: #worldclassAl



Re:infer
The World's Leading Cognitive Intent Engine



MATRIX MILL

Machines that think around occlusions





Leadership

Research lines



Leadership

You will help us continue this tradition of excellence!

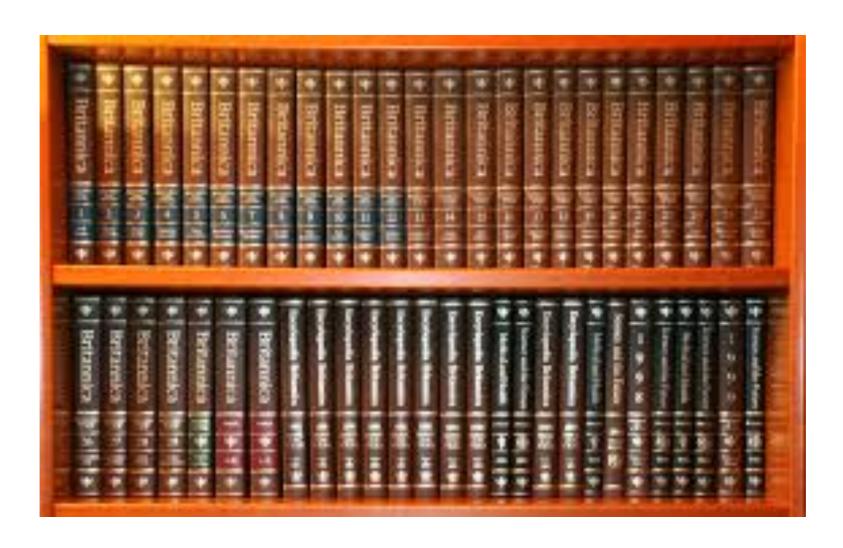


Knowledge is Power





Knowledge is Power



http://www0.cs.ucl.ac.uk/staff/E.Barr/





Topics

- The Department
- Schedule
- Support
- Physical Plant
- Labs
- Accounts
- Departmental and UCL Websites
- Email
- UCLU
- Public Safety



What you need to find out about this week.



Senior Academic Staff



Professor John Shawe-Taylor Head of Department









Professor Licia Capra Departmental Tutor

Professor Steve Hailes
Professor Yvonne Rogers
Professor Anthony Steed
Deputy Heads of Department



Professional Services Staff

- Nisha Gosai
 - Departmental Teaching and Learning
 Manager, room MPEB 5.22
- Louisa Ball and Gertrud Levit
 - Undergraduate Administrators, room MPEB 5.22
- Victoria Cooper
 - Staffing and Facilities Manager
- Mark Jackson
 - Senior Facilities Administrator





The Faculty

- CS is part of the UCL Engineering Faculty
- Dean of Faculty Prof. Nigel Titchener-Hooker
- Faculty Tutor –
 Dr. Simon Banks
- Faculty Office 2nd floor
- Faculty IEP team





Staff-Student Consultative Committee

- Meets every term.
- Gives you a voice in the running of department.
- You have been added to the Unitu online feedback system.
- Do you want to be a student representative?
 - Yes! Then make your pitch via Unitu.
 - Everyone votes on Unitu.



Year Coordinators and Personal Tutors

Each year (1st, 2nd, 3rd, 4th) has a year coordinator

- Monitors modules and teaching
- Coordinates coursework submission deadlines and feedback
- Gives advice on option modules

You have a Personal Tutor

- Member of academic staff.
- Tutorials at the start of each term
- Let your tutor know if you are having problems.





Rules and Regulations

- Look for the UCL Academic Manual and the CS Student Handbook
- Mostly about assessment and progression
- And so that UCL functions as an academic community
- You are now a member of UCL
 - Please respect UCL's traditions and regulations
- UCL has a long held and deep commitment to equal access and equal opportunities



Academic Issues

Talk to these people in order:

- 1. The module lecturer
- 2. The year coordinator
- Your personal Tutor
- 4. The Departmental Tutor
- 5. The Head of Department



What Happens this Week?

- Details on your Induction Week Timetable
 - Follow this week, then the UCL common timetable
- Tuesday
 - Meet your Transition Mentor
 - UCL CS Welcome party for new UG students
 - 1-3PM, Student Central library bar, meet the academic staff
- Wednesday
 - Unix Introduction
 - TechSoc
 - Open Source and GitHub (bring your laptop fully charged)





Thursday/Friday

- Thursday
 - Introduction to IEP (BSc & MEng CS only)
 - Plagiarism
 - Set up your environment
 - Drop-in session from 2pm to 4pm, don't all come at once!
- Friday
 - Introduction to UCL Services/Facilities
- Weekend
 - Students Union UCL Freshers Fair



Guard Well Your Spare Moments. They Are Like Uncut Diamonds.

What should you do with the rest of the week?

- Not a lot!
- Make friends
- Do some sightseeing around London
- Get to know UCL
- Or learn to program...





Terms

Three terms a year

- Term 1 Oct-Dec
- Term 2 Jan-March
- Term 3 May-June (exam term, events and challenges)





Timetables

- Lectures start this coming Monday, 1st Oct
- Goto first *lecture* of each module
 - Problem/practical classes are also in timetable
 - See your personal timetable for allocated groups
- Find out where the lecture theatres and class rooms are this week!
- This is UCL week 5, teaching starts in week 6.



Timetables

www.ucl.ac.uk/timetable

- Subscribe to your personal timetable!
- Check your timetable regularly
- Slots marked with:
 - Lecture
 - Practical, Problem-based Learning and Labs



MEng Mathematical Computation

- Term 1
 - COMP0002 Principles of Programming
 - COMP0003 Theory of Computation
 - MATH0005 Algebra I
 - MATH0010 Mathematical Methods I
- Term 2
 - COMP0004 Object-Oriented Programming
 - COMP0005 Algorithms
 - COMP0012 Compilers
 - MATH0006 Algebra II
- You are automatically registered for all these.





BSc & MEng Computer Science

- Term 1
 - ENGF0001 Engineering Challenges
 - ENGF0002 Design and Professional Practice I
 - COMP0002 Principles of Programming
 - COMP0003 Theory of Computation
- Term 2
 - COMP0004 Object-Oriented Programming
 - COMP0005 Algorithms
 - COMP0012 Compilers
 - MATH0147 Discrete Mathematics for Computer Scientists
- You are automatically registered for all these.





Integrated Engineering Programme (IEP)

- BSc and MEng Computer Science are degrees within the IEP Framework
- Being an engineer:
 - Think and work like an engineer, theory and practice
 - Interdisciplinary
 - Your role in society, being a global citizen
 - And becoming a Computer Scientist
- Full IEP introduction later in the week



MEng International Programme & EMYs

- 3rd year is taken abroad at another university
- Apply in the 2nd year
 - Applying for a place is competitive
- EMY = Extra Mural Year, or Year in Industry
 - An extra year working in industry (2nd or 3rd)
 - Assessed for credit
 - Apply to companies as opportunities become available



Study Support in the First Year

- Transition Mentors
- Study Mentors
- Personal Tutors
- Inclusion Leads
 Dr Graham Roberts
 Sarah Turnbull





Transition Mentors

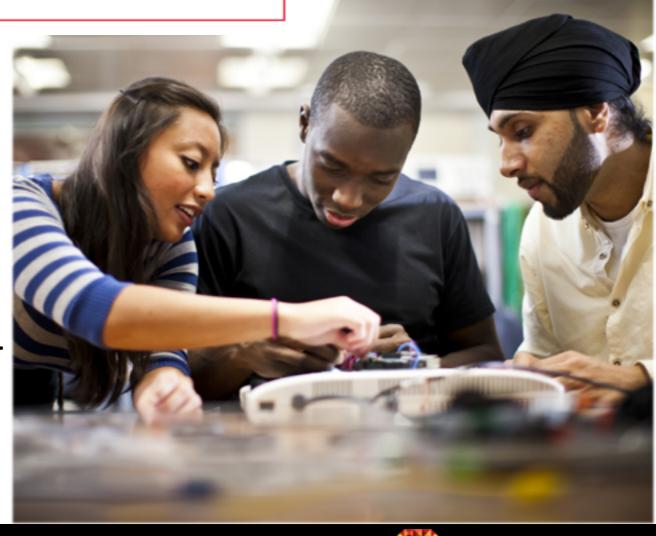
Later-year students from each department are assigned to every first-year undergraduate student at UCL.

Meet during Induction Week

Weekly meetings in group of roughly 10

Peer support for settling in at UCL

Pastoral and academic support





Study Mentors

- 2nd/3rd/4th year students
- Supports first year CS modules
 - Especially learning to program
- Senior mentors 3rd years
 - Anton Hristov
 - Matt X
 - Chris Hammond
- Group meetings
- Introductory events this week





Personal Tutors

- Everyone has a personal tutor
 - Some tutors will be at the party
- Make sure you meet you tutor at the start of each term
- Available for help and advice throughout term time
 - By default, contact via email
- All tutors have office hours when you can meet them



Personal Tutoring Open Hour

- Departmental tutor "open hour" available to all students
 - Term 1, Thursday 1—2PM @ Foster Court 114
 - Term 2, Thursday 1—2PM @ TBD
- Drop-in session to help with quick (5-10 min) queries
- Students will be referred to their own tutor if further help is required



Inclusion Leads

Inclusion Leads promote equality, diversity and inclusion actively across the spectrum of UCL's activities

You can approach about them about equality/diversity/inclusion issues, including harassment, bullying, and other inappropriate behaviour







Graham Roberts

https://www.ucl.ac.uk/human-resources/equality-diversity-inclusion



Student Support and Wellbeing

UCL Student Advisory and Events Services

- International Student Support and Welfare
- Study Abroad Team
- Student Support and Events Services
- Student Centre

UCL Student Disability Services
UCL Student Psychological Services

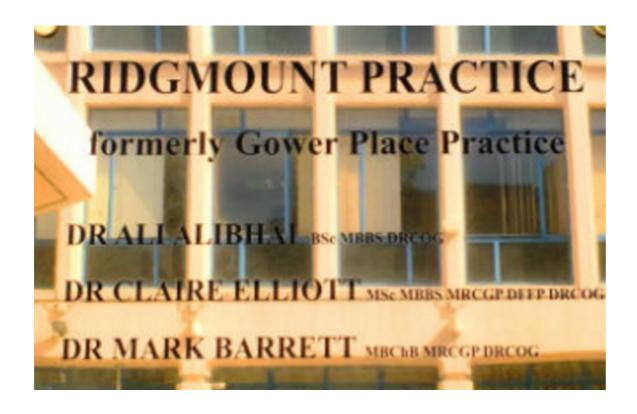
http://www.ucl.ac.uk/srs/our-services/student-support-and-wellbeing



Need Non-academic Help during the Term?

- See your personal tutor
- Undergraduate Administrator (5.22 MPEB)
- Reception Desk, 5th Floor MPEB
- Inclusion Leads
- UCL Support Services
 - UCL Student Centre for academic issues
 - Student Welfare





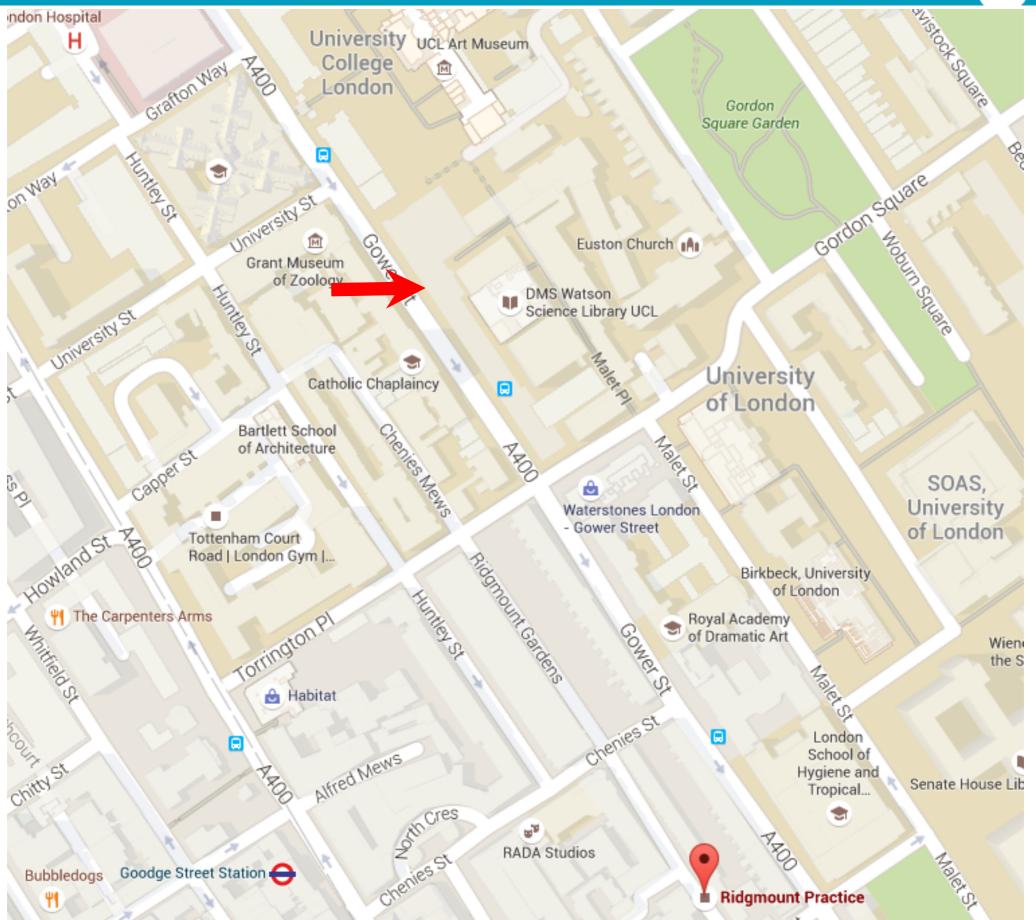
8 Ridgmount Street London WC1E 7AA

Tel: 020 7387 6306

- All UCL students may use the NHS Practice
- You can register as a patient if you live in Central or North London
- Come to the practice and bring your NHS card (number)
- Walk-in surgery available Monday–Friday, 9.30am–10.30am and 2.30pm–3.30pm or you can book an appointment

1st week of term recommended for registering http://www.ridgmountpractice.nhs.uk/







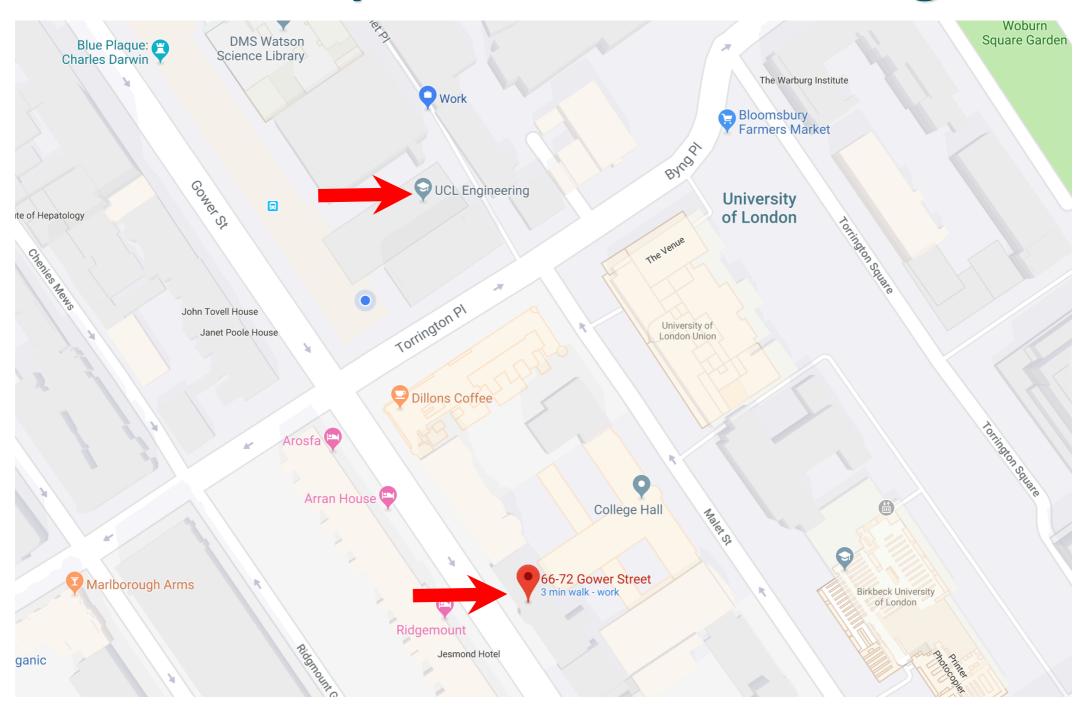
Topics

- The Department
- Schedule
- Support
- Physical Plant
- Labs
- Accounts
- Departmental and UCL Websites
- Email
- UCLU
- Public Safety





UCL Computer Science Buildings





Malet Place Engineering Building (MPEB)

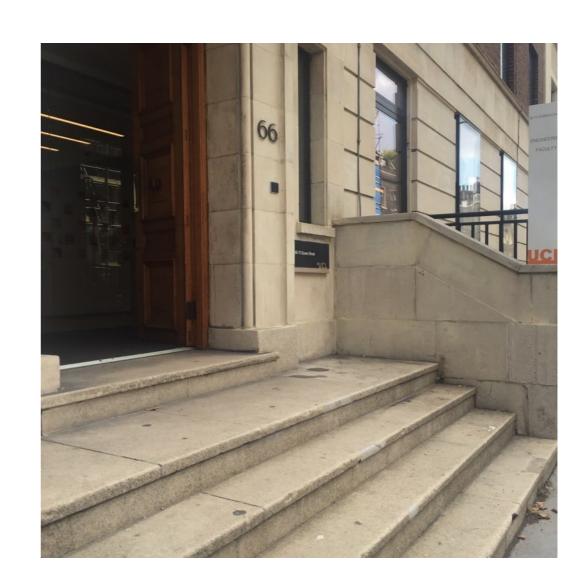
- Floors 0,1,4-6.
- Reception desk on 5th floor.
- Bridges to Engineering building next door.
- Undergraduate administrators in room 5.22.





UCL Computer Science Buildings

Floors 0, 1, 4-6



66-72 Gower Street





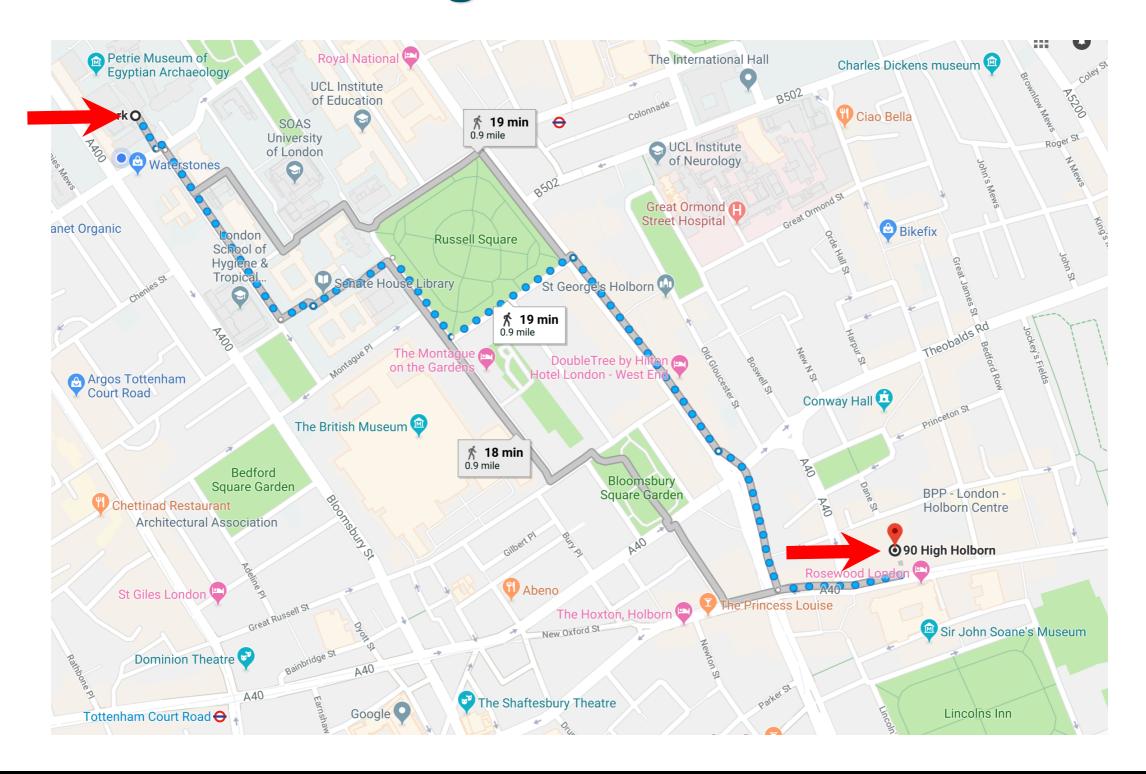
UCL Computer Science Buildings



90 High Holborn



The High Holborn Hike







The Computer Labs — All in MPEB

- Labs:
 - 1st Floor: 1.05 (Projects lab), 1.21 (Financial Computing lab)
 - 4th Floor: 4.06 (Apps lab)
 - Vlab: virtual computing service
- Large pool of devices
 - tablets, smartphones, IoT, VR kit.
- You have full, free access to MS Imagine (aka DreamSpark) and Office 365 Pro.



Using your Own Computer

- We strongly recommend you use your own laptop
- By default, use the eduroam WiFi service
 - Available across UCL campus and many other locations
 - Login with your UCL account
 - See http://www.ucl.ac.uk/isd/services/get-connected/wireless/ for connection details
- The CS student WiFi network is available in CS buildings
 - Go to the CS helpdesk to register for access
 - Inside the UCL firewall (eduroam is outside)



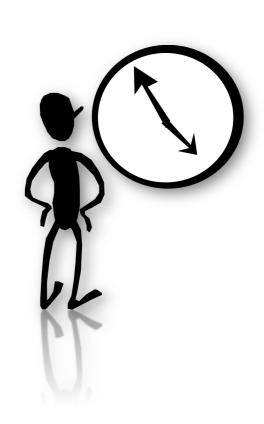
Combination Locks

- 4 digit combination code.
- Keep secret!
- Click the buttons in correct sequence and then turn the handle.
- Go to Helpdesk if you forget the combination.



Opening Times

- Normal working hours are 7:45am -8:00pm, weekdays only, except when booked for classes
- Please leave the building quickly at closing time
- Some UCL Library buildings and student hubs have longer hours and weekend access





Computers — Basic Rules

- Don't need to switch a computer on or off.
- Do not unplug wires or cables!
- Please report faults





Lab Etiquette

Use common sense

- We have rules but prefer friendly co-operation!
- Resources and space are finite
- Labs are quiet working areas
- Use computers sensibly
- Keep labs tidy
- No food or drink
- Don't dismantle the furniture!



Printing

- The CS labs have printers
 See http://tsg.cs.ucl.ac.uk/basics/printing/
 A printer quota limits the number of pages you can print
- Or use the campus-wide ISD service
 http://www.ucl.ac.uk/isd/services/print-copy-scan
- In practice, there is not much to print
 Coursework and reports often submitted online in pdf



External Access

- Many services are web/cloud and accessible anywhere.
- For internal CS services there is a departmental gateway machine.
 - The UCL Firewall restricts access to internal services.
- Must use a ssh connection.
- See Helpdesk web pages for more information.





The Help Desk

For help with CS hardware and software problems:

- Phone 37280 (internal)
- Visit MPEB 4.22; or
- Email request@cs.ucl.ac.uk





User Accounts

- Each user has
 - a login name (public)
 - a password (keep secret!)

Never use another person's account



Logging In and Out

- You must login to start using a computer.
 - Enter username and password
- When you have finished using a computer, you must logout.
 - Usually via a pop-up menu item
 - Do not forget!
 - Do not switch the computer off!



CS vs. ISD Computer Accounts

- You also have an Information Services Division (ISD) computer account
 - ISD runs the UCL computing service
 - Many computer workrooms around the campus
 - Some have extended opening hours
 - www.ucl.ac.uk/isd
- Your CS Account ≠ Your ISD Account
 - Different username and password
- You need your ISD account to access Email, Portico and Moodle, and use the ISD computers



Topics

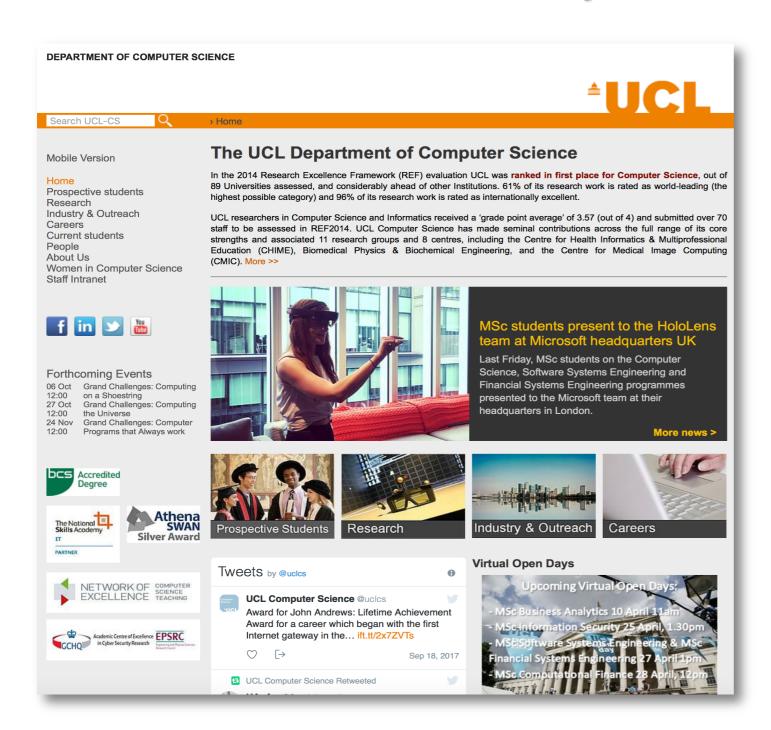
- The Department
- Schedule
- Support
- Physical Plant
- Labs
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- Departmental and UCL Websites
- Email
- UCLU
- Public Safety







The CS Department Pages



An important source of information.

Familiarise yourself with the content.

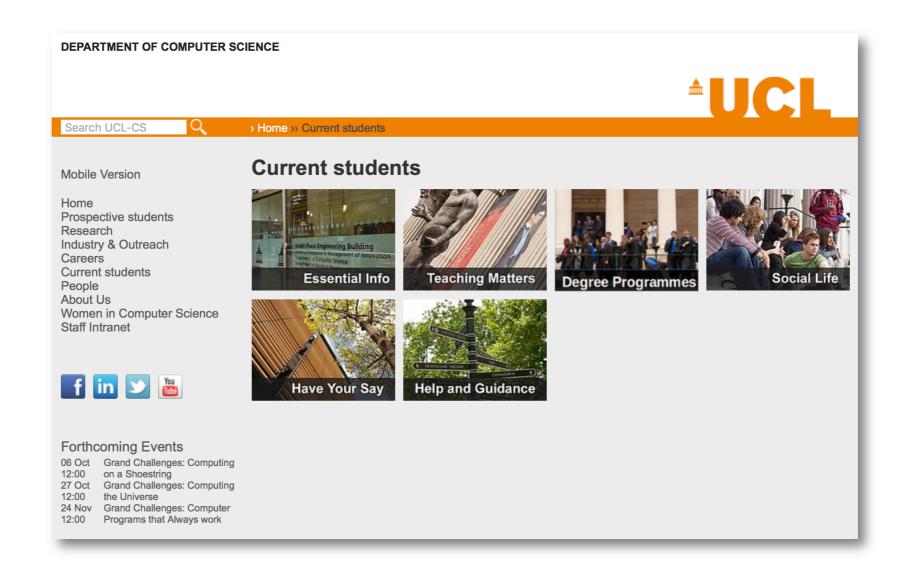
Use bookmarks!

www.cs.ucl.ac.uk





CS Student Home Page

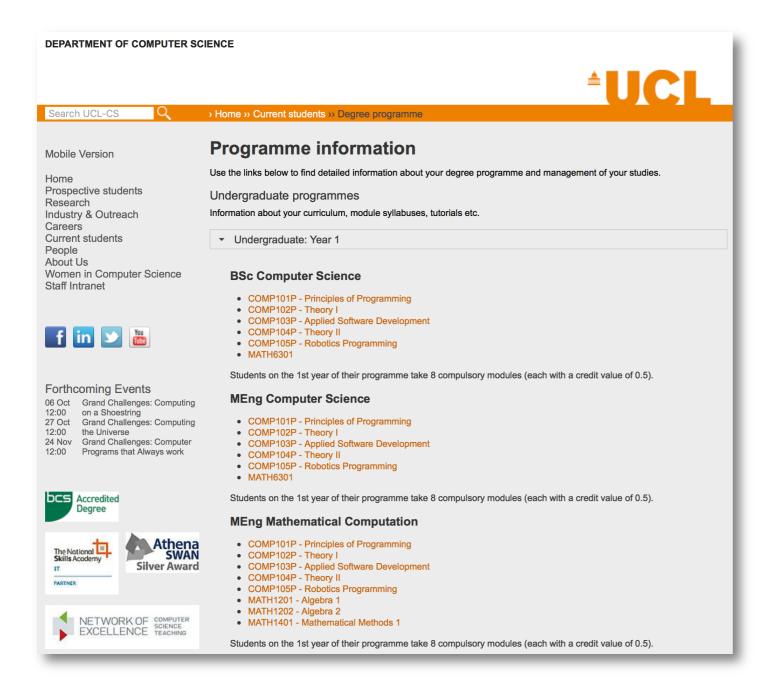


http://www.cs.ucl.ac.uk/current_students/





1st Year Page



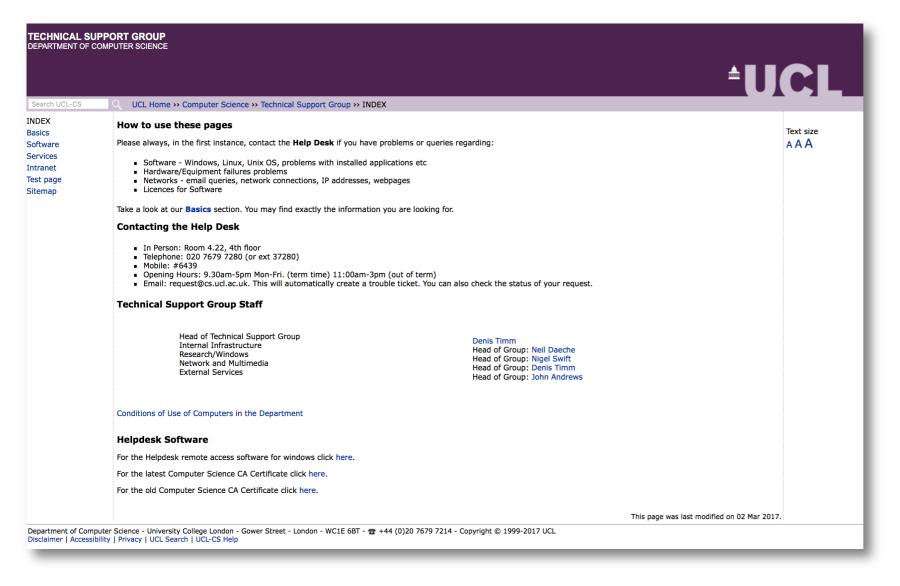
Information pages for each degree programme and year.

http://www.cs.ucl.ac.uk/current_students/degree_programme/





CS Help Desk Web Pages



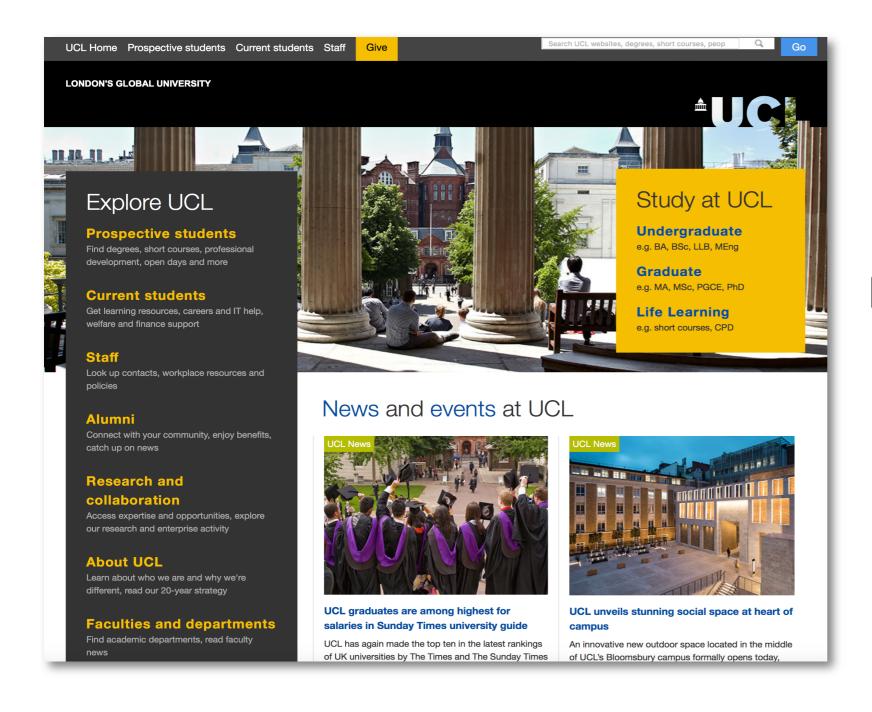
Useful information about CS computers and software.

tsg.cs.ucl.ac.uk





UCL Web Site



Lots of support information.

Everything you need to know about UCL.

www.ucl.ac.uk





UCL Current Students Pages



Student support:

Detailed information
from the registry
about degrees,
regulations, and much
more.

https://www.ucl.ac.uk/students/



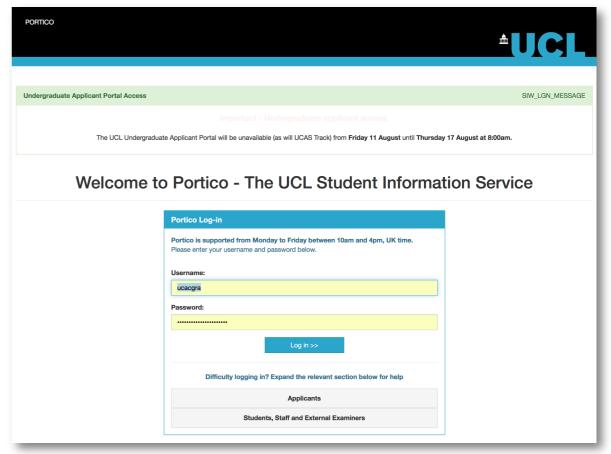


Portico

UCL Student Information System that stores your records, course information, and results

- Login using your ISD, not your CS, account
- Learn how to use Portico
- Keep your contact information up to date

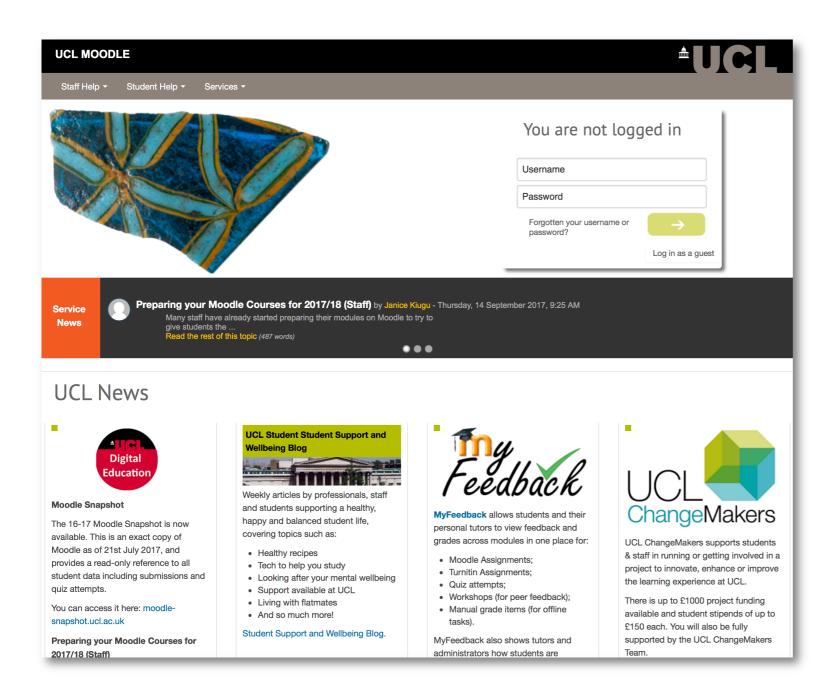
www.ucl.ac.uk/portico







Moodle



Virtual Learning
Environment
Used to support all
modules

moodle.ucl.ac.uk



UCL Library Services

16 libraries in total including three teaching hospital libraries

Please carry your ID Card, at all times, as it allows you to:

- Enter and exit UCL Libraries
- Borrow and renew books
- Scan, print and copy material

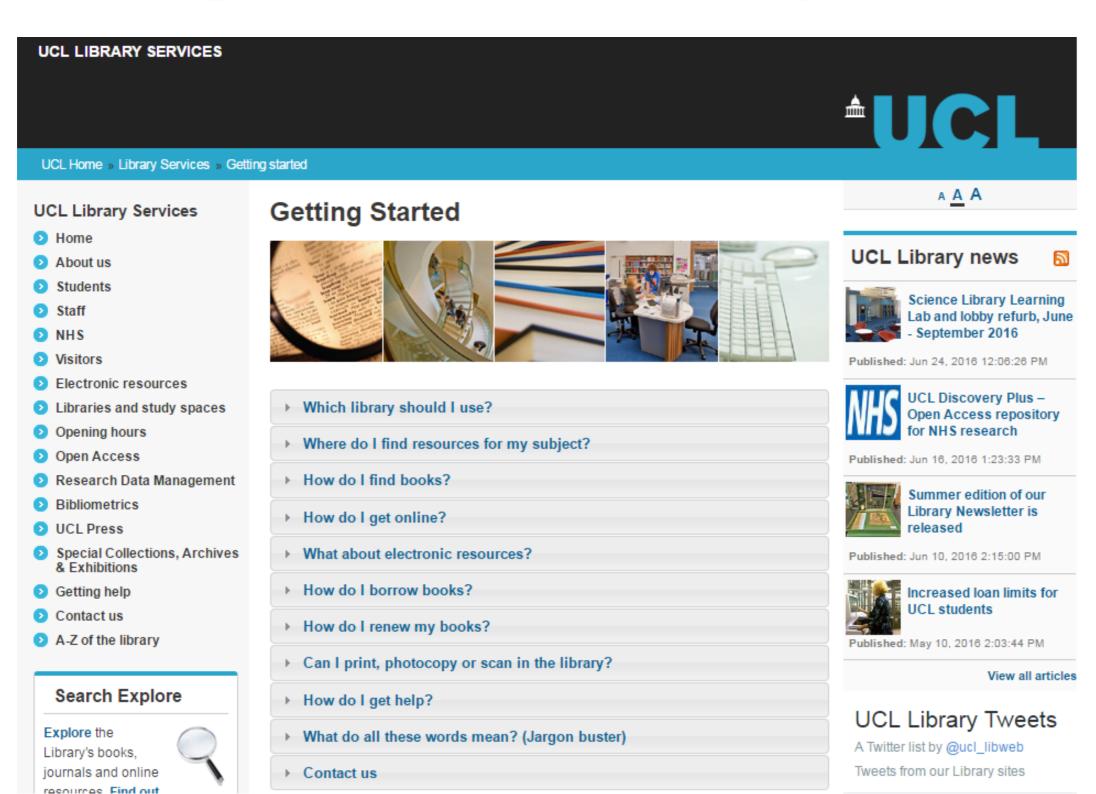
A large e-book collection of CS text books







Getting Started with UCL Library Services





UCL Student Funding Office

Located at Student Centre (SC2) in Chadwick.



- UCL Bursary
- UG/PG Scholarships
- Additional discretionary support
- One to one appointments with Student Funding Welfare Adviser
- US/Canadian loans

Drop in counter service Mon–Fri 10:00am–4:00pm

Email queries to: studentfunding@ucl.ac.uk

Tel: +44 (0)20 7679 0004





Financial Advice and Support:

www.ucl.ac.uk/srs/financialassistance

Student loans and grants:

www.gov.uk/student-finance

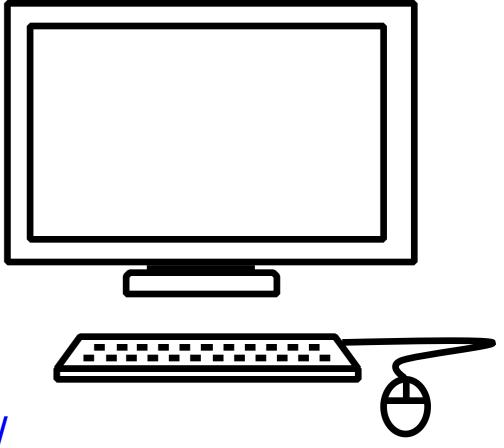
Student Funding at UCL:

www.ucl.ac.uk/scholarships

Independent Financial Advice:

http://www.moneysavingexpert.com/

www.moneyadviceservice.org.uk/

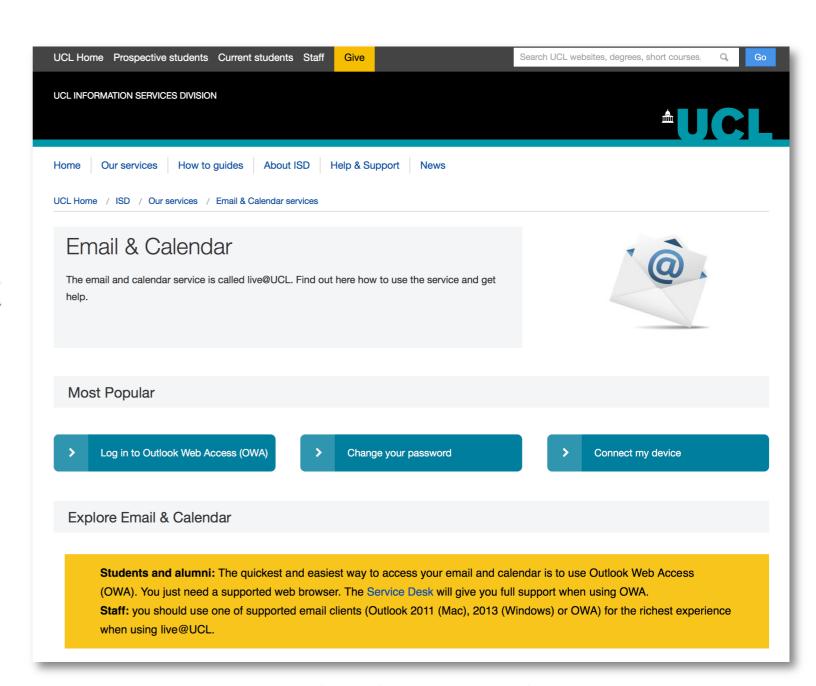




Accessing Email & Calive@ucl...

- You have live@UCL account.
- Web-based interface
- Or via IMAP, Outlook or Exchange clients.

And on mobile devices including iOS and Android.



www.ucl.ac.uk/isd/services/email-calendar





live@UCL Email Addresses

- Have the form firstname.familyname.year@ucl.ac.uk
- For example:
 Arthur.Dent.14@ucl.ac.uk
- Use your UCL address when emailing staff.



CS Staff Email Addresses

All staff have CS email addresses:

G.Roberts@cs.ucl.ac.uk

But also use standard UCL addresses:

e.barr@ucl.ac.uk



Getting Familiar with live@UCL

- Supports full range of facilities
 - Experiment and try everything out
- Email yourself or friends to confirm you can send/receive emails or your device(s).
- Please use plain text emails when emailing staff (not HTML formatted).
- You will get SPAM.
 - Go to ISD Help Desk if it becomes a problem.
 - The ISD Help Desk is in the Science library.
 - All email is automatically scanned and dangerous elements removed.





Live Calendar and Office 365

- Integrated with
 - various UCL services and
 - your timetable
- Free use of Office365

UCL Home / ISD / Our services / Email & Calendar services / My Calendar

My Calendar

You have been provided with your own calendar. Everyone at UCL has a live@UCL calendar, making it easier to schedule meetings with others.

Who can see my calendar?

Your calendar may be viewable by your department or can open up the permissions to other people in UCL. If you would like for external people to see your calendar then you can publish it online for others to see.

Get your free copy Office 365 Professional Plus

UCL students can obtain a copy of Office 2013 Professional Plus at no cost. Office 365 includes the latest version of Word, Excel, PowerPoint, OneNote, and more.



You can install on up to 5 compatible PCs and Macs, plus 5 tablets (including iPad).

Read the instructions on how to obtain your copy.





Mailing Lists

 A mailing list allows one message to be sent to many people



Mailing Lists

 A mailing list allows one message to be sent to many people





Mailing Lists

- A mailing list allows one message to be sent to many people
- You will automatically be added to one or more degree programme lists

1styr@cs.ucl.ac.uk

- When is it appropriate to reply all?
 - MOSTLY NEVER





Module Mailing Lists

- All taught modules also have a Moodle mailing list
 - Moodle keeps a copy of all email sent in its News Fora
- Important messages will be sent via Moodle
 - Changes to lecture time/place
 - Reminders of coursework deadline
 - Availability of marked coursework



Getting Help or Reporting Problems

request@cs.ucl.ac.uk

To send a message to the Helpdesk

facilities@cs.ucl.ac.uk

To report broken bits of building and infrastructure





Topics

- The Department
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- Support
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- Labs
- Accounts
- Departmental and UCL Websites
- Email
- UCLU
- Public Safety

Questions?





University College London Students' Union (UCLU)

- You are automatically a member of UCLU.
- UCLU is independent from UCL so it can effectively represent you.
- UCLU provides extracurricular activities and support while you are at UCL.
- Visit their Welcome Fair Saturday 29-30th September, from 10am to 4pm.
- If you want to get involved further, stand in UCLU's upcoming elections: www.uclu.org/elections.
- Look out for their weekly emails, like them on Facebook, or follow them on Twitter, or find out more at <u>www.uclu.org</u>



UCLU reinvests profits from its bars, gym, shop and cafes into student services.



Over 230 clubs and societies, intramural sport, and one off trips are also available.



They provide professional, independent advice on everything from housing contracts to UCL procedures. They also support student campaigns.







Community volunteering is a big thing here at UCL

UCL is home to the biggest university volunteering department in the UK — the VSU

Last year, over 1900 students took part in projects across London

The VSU has links with over 400 charities and supports 72 different student led projects





Charities UCL students volunteer at include:

IntoUniversity: Mentoring school students to help them achieve personally and academically.

The Passage: a drop in centre supporting people who are homeless.

Keen London: sports and arts activities for children with learning disabilities

Foodcycle: using good food that would otherwise go to waste to cook lunch for people in Somerstown.

Westminster Befriend A Family: running and swimming sessions for children from low income families.





The VSU has loads of volunteering that you can dip into — environmental conservation, fundraising, cultural and sporting events, community festivals...

To find out more about what VSU does, visit www.uclu.org/volunteers, email volunteering@ucl.ac.uk, or drop into their offices in the Lewis Building



UCL Security are here for your Safety and Protection But they need your help.



- Visit Their Website for their Advice on staying safe in and around the UCL Campus
- Follow them on Twitter @UCLSecurity for up-to-date advice and information on & off campus
- Put their 24/7 Emergency Phone Number in your mobile phone NOW 0207 679 2222
- Use your ID/Access Cards sensibly and never let anyone follow you through a secure door



Do Not Allow Unknown Persons Follow You Through A Secure Door



Whether at UCL or in your accommodation You are putting yourself, your colleagues, your neighbours and your property at risk when you do

If you are unsure and do not want to be rude, let them go first



Do Not Leave Your Valuables Unattended



Never leave your property unattended anywhere at UCL or use it as desk/table savers in our libraries, cafes, study spaces, refectory, etc.

If urgent, please ask someone you trust to watch it



Be Aware Of Your Surroundings When Using Your Phone In Public.



- Check your surroundings before use
- Use away from the road and close to your body
- Install an app that can track your phone in the event of theft



Please Be Aware

Bogus Police Officers operate in this area

Groups of criminals are posing as police officers in this area in order to trick people and steal their money, credit cards, and valuables. These individuals wear ordinary clothes and use fake Police IDs to search people and take what they can. If you are stopped by a police officer, ALWAYS ask to see their Police ID - a genuine Police ID cannot be copied and looks like this:

The ID card will always have:

- √ photograph of the officer
- a name
- identity number
- ✓ Metropolitan **Police Service** hologram.



Remember:

- A genuine police officer will ALWAYS explain why you have been stopped and give you a form after the search is complete.
- A genuine police officer will ALWAYS be able to show you a valid ID and tell you which police station they are from.
- » A genuine police officer will NEVER ask you for PIN numbers or money.

If you are in any doubt of the officer's identity, call 101 and explain the situation, stating the officer's name and warrant number. The operator will understand you are verifying identity. A real police officer will understand what you are doing.

In an emergency, always call 999

TOTAL POLICING





小心 - 伪冒警务人员工作在这个地区行骗

这个地区有些犯罪团伙冒充警务人员来骗人、窃取他们的金钱、信用卡和贵重物 品。这些罪犯身着普通衣服,使用伪造警察证件来进行搜身,并尽其所能窃取任 何物品。如果你被一名警务人员拦截,请务必要求查看他们的证件——真实的警 察证件是不能被复制的并且背页会有类似的插图。

警察证件一定会有该警务人员的照片、姓名、证件编号及伦敦大都会警察局的全

如果你对该名警务人员的身份有任何质疑,请拨打101说明情况,并注明有关警 务人员的姓名和警证号码。接线员会明白你想核实警务人员的身份。一名真正的 警务人员也会理解你为什么要这么做。

在紧急情况下,请随时拨打999

要注意 - この地域では偽装警察官が出回っています

この地域では、犯罪グループが警官を装って人々をだまし、現金、クレジットカード、 貴重品を窃取する事件が多発しています。これらの人物は私服で、偽の身分証明書 (warrant card)を見せて所持品検査を行い、貴重品等を窃取します。警察官に呼び止めら れた場合には、必ず警察の身分証明書の提示を求めてください。この本物の身分証明書 を複写は不可能であり、また裏面のイラストレーションに似通っているはずです。 本物の身分証明書には、警察官の写真、名前、職員番号が記載され、ロンドン警視庁の ホログラムが入っています。

警察官の身分について疑問を感じた場合は、警察の電話番号「101」をダイヤルして状 況を説明し、警察官の名前と証明書番号 (warrant number)をお伝えください。電話交換 手は、あなたが警察官の身分照合を行おうとしていることを理解しますし、本物の警察 官であれば、こうした行為を理解するはずです。

緊急の場合は、常に警察「999」に通報してください。

احترسوا - توجد في هذه المنطقة أشخاص يتجولون مدّعين بأنهم ضباط شرطة

تدعى مجموعات من المجرمين في هذه المنطقة بأنهم شرطبين لخدعة الناس وسرقة أمو الهم، وبطاقات ائتمانهم، والأشياء القيمة. ويرتدى هؤ لاء الأفر اد ملابس اعتيادية ويستخدمون بطاقات شرطة مزورة لتفتيش الناس وأخذ ما يمكنهم أخذه اذا أو قفك شرطى، اطلب دائما أن ترى بطاقة الشرطة الخاصة به - لا يمكن استنساخ بطاقة الشرطة الأصلية. وهي مصورة خلف الصفحة.

وستجد دائما صورة فوتو غرافية للشرطي على بطاقة الشرطة، واسمه، ورقم هويته، و هو لو جر ام خدمات شرطة العاصمة.

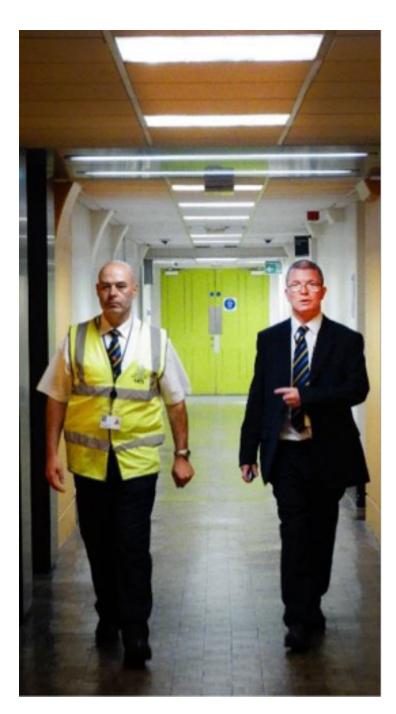
إذا راودك أي شك حول هوية الشرطي، اتصل على 101 واشرح الموقف، مع ذكر اسم الشرطي ورقم بطاقته سيفهم عامل مقسم الهاتف أنك تتحقق من الهوية. كما سيفهم الشرطي الحقيقي ما تفعله. في الحالات الطارنة، اتصل دانما على 999







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Pulling for Success





Obstacles along the Way





National Student Survey





National Student Survey





National Student Survey





Pulling for Success





You Are in the Driver's Seat

Unlike school, learning is fully your responsibility

We help but you must take charge of your own education and running your own life





Change the World

- Not just a slogan
- All students do Industry Projects
 - Build hardware/software for real people to solve real problems
 - Enable a charity to help people
 - Use energy more efficiently to reduce bills
 - Help the disabled travel
 - Work with doctors in the NHS
 - Make a difference
- Think long term "What will the world be like 5 years after you graduate?"



Sidestepping Bromides and Platitudes

- Friends help you succeed and help you enjoy that success
 - This week, learn the names of each least three of your fellow students
- There are many ways to succeed and only one of them is jousting bare knuckles in the grade game
- Be curious
 - Ask your professors about their research



Work hard, but also to have fun at UCL