Computing Facilities

Peter Glassenbury

February 23, 2015
Places to Go

- **Room 201**: Alex Forster (Administrator).
- **Room 334**: Printer/photocopier/scanner and mail boxes; Most resources are in room 325
- **Erskine level 3**: Thesis degree students (research groups).
- **Room 340**: SENG and COSC Honours degree students.
- **DipSci./MSc. Papers students**; desks and computers are shared – due to numbers.
People to meet

- **Alex Forster** (room 201) handles administrative tasks: work rooms, access cards, casual employment contracts (tutors).

- **Phil Holland** (room 220) answers the help phone, **ext. 8251**, supervises the labs, attends to technical issues with workstations and is the CSSE Health and Safety representative for UC.

- **Pete Glassenbury, Joffre Horlor, Steven Sykes and Adrian White** (rooms 221–224) are the Systems Managers who administer the CSSE departmental system (networked CSSE servers, workstations and software installations) and attend to other IT infrastructure requirements.

- **Prof. Tim Bell** (room 303), Facilities Committee chair, is in charge of all CSSE IT facilities and support.

- Inform us ASAP of any problems with your computing environment.
What do you get to do your work

- Shared room.
- Desk - allocated for full time, shared for part time.
- Modern Computer with dual screens one 22in and one 19in
- Older computers are available if needed for research.
- Other equipment needed for your project if requested through supervisor.
- Disk Quotas: 2 GB Email; 3 GB on P: and H: (for all); 7 GB on H: (for PhD).
- Printing: reduced charge per page 2.5c. Thesis(including honour)
- **Free ICT Allowances:**
  Internet 10 GB/month Ugrad, 20GB Postgrad;
  5 GB/day Wireless (on campus).
Computers and Accounts

- CSSE computers run *single-boot*, Mint Linux with a standard installations of Windows 7 in a VM login is now using the normal windows password.

- New students: new account-name/password on your enrolment slip should work, but there may be delays in setting up your computer accounts if you are not fully enrolled.

- Continuing students: account-name/password should still work!


- ICTS Training: [http://www.icts.canterbury.ac.nz/trainin](http://www.icts.canterbury.ac.nz/trainin)
Help at CSSE

• Your Supervisor
  For help with your assignments, Honours report or Postgraduate.

• The student rep .. postgrad or honours For help with questions representation to department

• Duty Programmer, ext. 8251
  For help with problems using your account (9am–5pm).

• Task Assignment System (TAS)
  http://www.cosc.canterbury.ac.nz/tas/: for non-urgent requests computer facilities (e.g. new software, broken computers, etc).

• Security/Emergency
  If you see smoke or a fire, operate the fire alarm immediately.
  For other problems, ring Security on 6888, or ring 8251 (9am–5pm).

• CSSE Facilities Committee
  For matters of policy (CSSE departmental facilities, or internet an appointment to see Prof. Tim Bell, CSSE Facilities Committee
Help at ICTS

• ICT Service Desk and other help services (ext. 6060): http://www.icts.canterbury.ac.nz/help/helpdesk/

• ICT help Desk in the library: Wireless troubleshooting

• ICTS unit provides various Internet Services documented under: http://www.icts.canterbury.ac.nz/services/
  – Webgate Proxy: cheapest internet access from UC.
  – Internet Enabler: direct internet access from UC.
  – Broadband, Dialin, Wireless: external access to UC.

• ICTS→For→Students: http://www.icts.canterbury.ac.nz/for/students.shtml; IT Account, Email, Learn, My Documents, Password Reset, (Ex
Linux Standard Installation (CSSSE)

- **CSSE Home Page:** Seminars; News and Features; ...

  *Announcements:* Important updates (especially academic, jobs, ...)

  *Quick Links:* Current Students, Learn, CSSE Library Subject Guide

- **Home Directory:** `/home/cosc/student/<usercode>/` (∼<usercode>)
  “network–mounted” from *CSSSE* file server (using NFS).

- **Backups:** CSSSE filesystems are backed up *nightly* to a remote library.

- **Scratch Files:** `/local/` – for “non-work” data, files, etc. – *are not* backed up.

- **Ssh, RDP, X:** “Secure shell” access to `linux.cosc.canterbury.ac.nz`

  `scp <usercode>@linux.cosc.canterbury.ac.nz:<path>/<file`

- **Remote Access:** Ssh/PuTTY sessions to *CSSSE Linux* server: `linux.cosc.canterbury.ac.nz`

- **CSSE Help Documents:** [http://www.cosc.canterbury.ac.nz](http://www.cosc.canterbury.ac.nz)

- **CSSE Resources:** [http://www.cosc.canterbury.ac.nz/resources](http://www.cosc.canterbury.ac.nz/resources)
Windows Standard Installation

- **Home Folder:**
  P: drive – maps to ICTS fileservers (on SAN).
  H: drive – maps to CSSE fileserver (via Samba); i.e.
  `<usercode>` on ‘cssefs’ maps to `/home/cosc/student/<usercode>`

- **Backups:** ICTS backs up P: and H: drives *(used for work data)*

- **Scratch Files:** C:/local – for “non-work” data, files, etc. – *accessible via remote desktop*

- **Remote Desktop:** e.g. from Linux, run a ‘rdesktop coscterm’
  (Win-2008 Enterprise server)

  alternatively, [mailto:ictservicedesk@canterbury.ac.nz](mailto:ictservicedesk@canterbury.ac.nz)
Installing Software

- **Linux:**
  - Ask via TAS to get a package installed
  - Get the source distribution as a “.tar.gz” file, then compile it
    
    ```
    ./configure --PREFIX=$HOME
    make
    make install
    
    (The default installation directory, /usr/local/, is not writable)
    ```

- **Windows:** if it is possible to compile or run from your home directory, programmers to install software.

- **Admin Access:** is not given out lightly. Application to the Facilities can be made but there needs to be a reason to do with your research and implications involved.
Help with Document Preparation and Citation

EndNote

- The UC library offers both courses and individual help in using [http://wiki.canterbury.ac.nz/display/LIBRARY/EndNote](http://wiki.canterbury.ac.nz/display/LIBRARY/EndNote); and also in Current Awareness and Searching Google Scholar with

LaTeX/BibTeX

- Users of LaTeX (highly recommended) should view information at [http://www.cosc.canterbury.ac.nz/resources/software/tex](http://www.cosc.canterbury.ac.nz/resources/software/tex)

- Brief examples, “examples-thesis.tex” and “example-thesis.bib”, of how to use the “uocthesis.cls” LaTeX class file are located in [file:///netfs/tex/local/texmf-local/tex/latex/uocthesis](file:///netfs/tex/local/texmf-local/tex/latex/uocthesis)