

An Introduction to the Linux Command Line

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Welcome

- ▶ Please sign in on the **attendance sheet**.
- ▶ Please fill in the **online feedback** at the end of the course: There is a link to this on your desktop.
- ▶ Keep your belongings with you.

Plan of the Course

10:00 Part 1: Course Introduction

10:15 Part 2: Theory and self paced practicals

11:00 BREAK

11:20 Part 3: Theory and self paced practicals

13:00 LUNCH

14:00 Theory and self paced practicals

16:30 FEEDBACK and CLOSE

Part I: **Introduction**

Your trainers for today will be:

- ▶ Paul Sumption — Research Computing Technical Liaison
- ▶ Mark Sharpley — Computer Officer, WT/MRC Stem Cell Institute
- ▶ Please ask questions and let us know if you need assistance.

Introduction: Course Material

- ▶ This course is a modified version of material that was written for and delivered on UIS MCS Linux in the UIS managed training rooms.
- ▶ UIS MCS facility's: <https://help.uis.cam.ac.uk/service/devices-networks-printing/managed-desktops/mcs/mcr-rooms>
- ▶ Details of the MCS Linux service: <https://help.uis.cam.ac.uk/service/devices-networks-printing/managed-desktops/mcs/basiclinux>

Introduction: Material

The course has been designed as 'self paced':

- ▶ a) Obtain a PWF account, download the course and then start teaching yourself using the notes
- ▶ b) Book a place on a course run by UIS where there is an instructor present. They then help you if you get stuck on the exercises
- ▶ Our course is being delivered at the Bioinformatics Training Facility
- ▶ We have made quite a few changes to the original material
- ▶ We have tested the exercises but please let us know if you find a mistake in the material
- ▶ The remote access exercise has been replaced by a short video

- ▶ Suggested Courses:
- ▶ Unix: Introduction to the Command Line Interface (Self-paced)
<https://www.training.cam.ac.uk/ucs/Course/ucs-unixintro1>
- ▶ The course written for and run on MCS Linux
- ▶ Shell scripting:
- ▶ Unix: Simple Shell Scripting for Scientists
<https://www.training.cam.ac.uk/ucs/Course/ucs-scriptsci>

Format for today

- ▶ We have split the self paced material into several sections
- ▶ Before you start each section we will present some slides to introduce the topic
- ▶ You will then have time to attempt the self paced material for the section
- ▶ During self paced work we will assist you, just put your hand up if you are stuck

Navigating your terminal

Useful commands for navigating your terminal.

- ▶ `cd <dirname>` - change into a directory
- ▶ `ls <dirname>` - list the contents of a directory
- ▶ `cd` or `cd ~` - change into your home folder
- ▶ `cd ..` - change back one folder
- ▶ `man ls` - will bring up the manual page for the `ls` command
- ▶ `pwd` - print working directory