Timetable (2016 course)

	Monday	Tuesday	Wednesday	Thursday	Friday
09:30-11.00	Welcome Introduction to computing resources and services High Performance Computing Facility (CRAY), servers, data handling, network (LAN and WAN) and web services **Paul Dando**	Meteorological Archiving and Retrieval System (MARS) Introduction and basic concepts **Carsten Maass**	Decoding GRIB data • Introducing the GRIB format and the tools to inspect and manipulate GRIB data • Practical session **Paul Dando**	BUFR decoding Introduction to BUFR format and decoding tools **Dominique Lucas**	ECaccess • ECaccess concepts • ECaccess tools : file transfer, web toolkit and monitoring tools **Dominique Lucas**
11:30-13.00	Getting started Working on your Linux desktop and access the Web **Carsten Maass** ECMWF file systems Introduction to ecgate, HPCF, NFS mounted file systems and practical **Carsten Maass**	Meteoroloical Archving and Retrieval System (MARS)Basic examples and practical session **Carsten Maass**	Decoding GRIB data • GRIB data: inspection tools • GRIB data: manipulation tools • Practical session **Paul Dando**	Meteorological Archiving and Retrieval System (MARS) Field manipulation with MARS **Dominique Lucas**	ECaccess Tutorial **Dominique Lucas** Time critical applications Introduction to Time Critical Applications: Option 1, 2 and 3 **Dominique Lucas** Course evaluation - Close

14:00-15:15	ECMWF's File Storage system (ECFS) • Introduction to ECFS and its functionalities: store, retrieve, list, delete, ecfsdir • Using ECFS in your scripts or cron jobs • Practical session **Carsten Maass**	Compiling environment • Compilers, their common options, handling I/O and linking libraries • Basic degugging • Practical session **Xavier Abellan**	Decoding GRIB data • GRIB data: manipulation tools • Fortran90 and Python interface • Practical session **Paul Dando**	Interpolating model data • Why do we need interpolation? • Interpolating data and its limitations **Paul Dando**	
15:45-17:00	Submitting batch jobs • Basic concepts • Commands: sbatch to ecgate server, sqos (checking queues), job control (squeue, scontrol, scancel) • Practical session **Xavier Abellan**	Compiling environment **Xavier Abellan**	How to access ECMWF computing facilities • RMDCN & Internet • Security token • Interactive access and file transfer **Carsten Maass**	Introducing Metview • Metview: basic concepts **Iain Russell, Fernando Ii and Sandor Kertesz**	