

MODULE COM INTRO — Introduction for new users/MARS 3 - 7 March 2014

	9:00 - 10:30	11:00 - 12:30	13:30 - 15:00	15:30 - 17:00
Mon	<p>Welcome</p> <ul style="list-style-type: none"> Lecturers Students <p><i>U. Modigliani</i></p> <p>9:15 Introduction to computing resources</p> <ul style="list-style-type: none"> HPCF servers data handling LAN & WAN web services <p><i>P. Dando</i></p>	<p>Using local terminals</p> <ul style="list-style-type: none"> web access <p><i>C. Maaß/Call Desk</i></p> <p>Introduction to file systems</p> <ul style="list-style-type: none"> ecgate (and HPCF) NFS mounted file systems practicals <p><i>C. Maaß</i></p>	<p>ECFS</p> <p>L</p> <ul style="list-style-type: none"> introduction <p>U</p> <ul style="list-style-type: none"> store, retrieve <p>N</p> <ul style="list-style-type: none"> list, delete <p>C</p> <ul style="list-style-type: none"> use of ECFS commands in scripts, cron jobs <p>H</p> <ul style="list-style-type: none"> ecfsdir practicals <p><i>C. Maaß</i></p>	<p>C Submitting batch jobs</p> <p>O</p> <ul style="list-style-type: none"> concepts <p>F</p> <ul style="list-style-type: none"> sbatch to ecgate server <p>F</p> <ul style="list-style-type: none"> queue limits: sqos <p>E</p> <ul style="list-style-type: none"> job control: squeue, scontrol, scancel <p>E</p> <ul style="list-style-type: none"> practicals <p><i>Xavier Abellan-Ecija</i></p>
Tue	<p>MARS</p> <ul style="list-style-type: none"> introduction concepts <p><i>C. Maaß</i></p>	<p>MARS - Basic examples / Practicals</p> <ul style="list-style-type: none"> basic examples practical session <p><i>C. Maaß</i></p>	<p>Compiling environment</p> <ul style="list-style-type: none"> compilers main options word lengths handling I/O basic debugging using libraries 	<p>Compiling environment (cont'd)</p> <p>Practicals - Solutions <i>D. Lucas</i></p> <p>16:30 Computer hall tours</p> <p><i>User Support</i></p>

	9:00 - 10:30	11:00 - 12:30	13:30 - 15:00	15:30 - 17:00
			<ul style="list-style-type: none"> creating own libraries <i>D. Lucas</i>	
Wed	GRIB decoding <ul style="list-style-type: none"> overview of GRIB format documentation available <code>grib_api</code>: <code>grib_dump</code> practicals <i>P. Dando</i>	GRIB decoding <ul style="list-style-type: none"> <code>grib_api</code>: inspection tools <code>grib_api</code> manipulation tools practicals <i>P. Dando</i>	GRIB API tools <ul style="list-style-type: none"> <code>grib_api</code> manipulation tools introduction to Fortran90 interface practical examples <i>P. Dando</i>	Member State access <ul style="list-style-type: none"> RMDCN & Internet security token interactive access file transfers <i>C. Maaß</i>
Thu	BUFR decoding <ul style="list-style-type: none"> overview of BUFR format decoding routines practical example <i>D. Lucas</i>	MARS - advanced use <ul style="list-style-type: none"> advanced use: compute, read, write, etc. <i>D. Lucas</i>	Field interpolation <ul style="list-style-type: none"> overview limitations <i>P. Bispham</i>	Metview Tutorial <i>Dev. Section</i>
Fri	ECaccess <ul style="list-style-type: none"> ssh ftp data transfers web interface monitoring tools examples tutorial <i>D. Lucas</i>	ECaccess (cont'd) Time-critical applications <i>D. Lucas</i> 12:30 Questionnaire/Feedback <i>U. Modigliani</i> 13:00 End		