

Week/Date	9h-11h	11h-13h	14h-16h	16h-18h	Discussion	Reading Assignment	Home Work	Other
01 / 04-Oct-11	PDC opening	CSP opening	Talk: Stéphane Clain (CM/UM)	PCP opening	Students background Last years' students exp			
02 / 11-Oct-11	CSP: Overview key concepts from undergrad	CSP: intro to cluster SeARCH	Talk: Nuno Micaêlo (CQ/UM)	NMA: opening			Review basic concepts	
03 / 18-Oct-11	CSP: ILP issues	PCP: intro OpenMP	Talk: Carlos Manta Oliveira (Critical Health)	PCP: practice OpenMP		COD book chapters 4 & 5	1. Identify key AMD & Intel processor families 2. Identify CPU generations in SeARCH	
04 / 25-Oct-11	CSP: Visualization ILP in P6 arch (loop iteration)	CSP: cache basic issues	Talk: António Onofre (LIP/UM) & Miguel Oliveira (LIP/UC)	PCP: Measuring & predict performance	Table with AMD & Intel CPU	Bryant book, Ch. 5	1. Complete Table AMD & Intel CPU 2. Exercises performance	
05 / 01-Nov-11	Holiday	Holiday	Holiday	Holiday	Holiday	Holiday	Holiday	Holiday
06 / 08-Nov-11	CSP: Advanced cache concepts	PCP: xxx	Talk: Luís Marques (CF/UM)	PCP: xxx	Table with AMD & Intel CPU	Papers on profiling...		
07 / 15-Nov-11	CSP: Advanced ILP, thread parallelism, multicore	PCP: xxx	Talk: Miguel Nóbrega (IPC/UM)	NMA: xxx				
08 / 22-Nov-11	CSP: Data-level parallelism, GPU arch	PCP: xxx	Talk: Eduardo Pereira (CF/UM)	PCP: xxx				
09 / 29-Nov-11	CSP: GPU and CUDA	Talk: Manuel Melle (CCTC/UM)	CUDA Training Action 1: UTAustin / TACC (videoconf)	CUDA Training Action 2: UTAustin / TACC (videoconf)				
10 / 06-Dez-11	CSP: Student presentation/ discussion on profiling	CSP: low-level profiling	CUDA Training Action 3: UTAustin / TACC (videoconf)	CUDA Training Action 4: UTAustin / TACC (videoconf)	Student presentation/ discussion on profiling			
11 / 13-Dez-11	Test	CSP: CPU counters for profiling	NMA: xxx	Proj: presentation				
12 / 03-Jan-12	Proj: Experimental work	CSP / PCP / NMA	Proj: Experimental work	Proj: Experimental work				
13 / 10-Jan-12	Proj: Experimental work	CSP / PCP / NMA	Proj: Experimental work	Proj: Experimental work				
14 / 17-Jan-12	Proj: Experimental work	CSP / PCP / NMA	Proj: Experimental work	Proj: Experimental work				
15 / 24-Jan-12	Proj: Experimental work & report discussion	CSP / PCP / NMA	Proj: Experimental work & report discussion	Proj: Experimental work & report discussion	Project report discussion			
16 / 31-Jan-12	Proj: Presentation & discussion	Proj: Presentation & discussion	Proj: Presentation & discussion	Proj: Presentation & discussion	Project presentation & discussion			