

CDI Planning 18/19

	Wk	Days	Subject	Description
A n a l i a	1	21/1, 22/1, 25/1	Thread Basics	Structure of Thread objects/Runnable object Starting threads (basic behavior)
	2	29/1 1/02, 04/2	Thread Behavior	1. Mapping Thread life-cycle 2. Measuring Times; plotting, Time vs n.Threads
H u g o	3	8/2, 11/2, 12/2	Concurrent Tasks	1. Non competing tasks: Interrupting threads; variable scope (think of the multiply problem as well) 2. Dividing a problem: matrix;
	4	15/2, 18/2, 19/2	Synchronization(1)	1. Count, Increment; using Atomic Integer 2. synchronize blocks object, and Method/instances 3. Use of a simple locks.
	5	22/2, 25/2, 26/2	Synchronization(2)	1 Wait/Notify Mecanism 2 Extreme case: Exclusion total
	6	01/3, 11/3, 12/3	Synchronization(3)	Algorithms....2. notify (List ...) frente a notifyall interrupts.
	7	15/3, 18/3	Synchronization(4)	producer/consumer Locks/Conditions
	8	25/3	Lab Exam 1	Lab Exam 1
D a v i d	9	29/3, 01/4, 02/4	Distribution/Thread Communication(1)	Semaphores: Collections of Java. Executors (problem de Matriz)
	10	05/4, 08/4, 09/4	Distribution/Thread Communication(2)	Client/server: Thread communication Parallelism
	11	22/4, 23/4, 26/4	Distribution/Thread Communication(3)	Java RMI: Distribution (problem similar to Mandelbrot problem).
	12	29/4	Lab Exam 2	Lab Exam 2