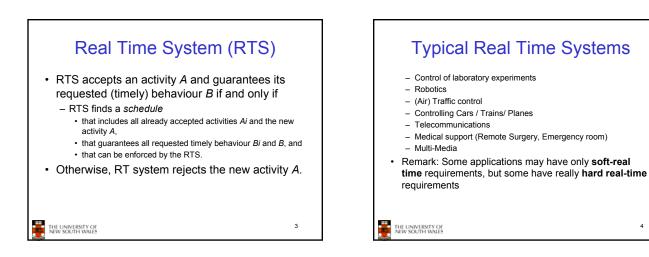
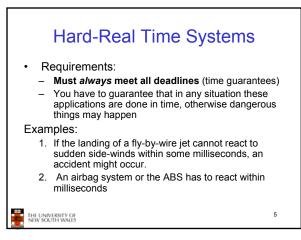


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Soft-Real Time Systems

Requirements:

Must *mostly* meet all deadlines, e.g. 99.9% of cases

Examples:

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- 1. Multi-media: 100 frames per day might be dropped (late)
- 2. Car navigation: 5 late announcements per week are acceptable
- 3. Washing machine: washing 10 sec over time might occur once in 10 runs, 50 sec once in 100 runs.

6



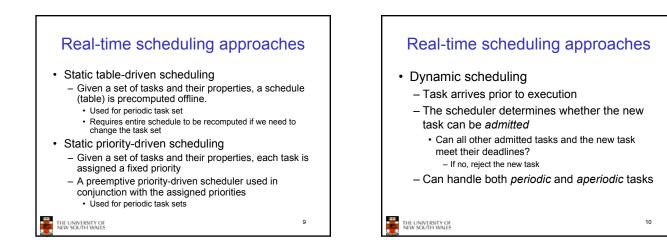
Categories of Real time tasks

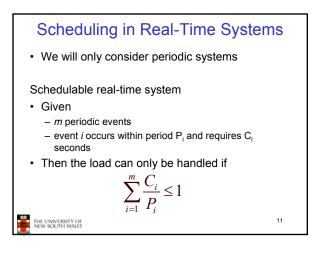
- Periodic
 - Each task is repeated at a regular interval
 - Max execution time is the same each period
 - Arrival time is usually the start of the period

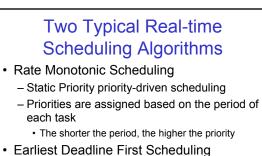
8

- Deadline is usually the end
- Aperiodic (sporadic)
 - Each task can arrive at any time

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 The task with the earliest deadline is chosen next

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12

