Uniprocessor:
Batch:
  Non-preemptive
  Preemptive
Interactive:
  Priority
Real-time:
  Offline: RM
  Online: EDF
Multiprocessor:
  Sequential jobs
  Parallel jobs
Priority queues

Priority 100

::

Priority 4

Priority 3

Priority 2

Priority 1

Runnable tasks
CPU vs. I/O bound tasks

CPU-bound task:

- CPU burst

I/O-bound task:

- Waiting for I/O
Priority inversion

Monday, October 15, 2018  9:29 AM
Priority inheritance

Monday, October 15, 2018   9:30 AM

Priority inheritance diagram:
- **High priority**
  - Preemption
  - Wait for lock
  - Acquire lock
- **Med. priority**
  - Acquire lock
  - This process acquires high priority
- **Low priority**
  - Release lock

Time axis:

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Scheduling Page 5
Deadline scheduling

Monday, October 15, 2018  9:26 AM

[Diagram showing deadlines and schedules for tasks A1, B1, C1, A2, B2, A3, B3, C2, A4, B4, C3, A5, B5.]
Per-core task queues