

# Process Control Block

## **TCB (Thread Control Block)**

data structure to record thread information

- Tid (thread id)
- State (as either running, ready, waiting)
- Registers (including eip and esp)
- User (forthcoming lecture on user space)
- Pointer to a Process Control Block (coming next week)

# State Queues

- ➡ The OS maintains a collection of queues with the TCBs of all threads
  - One queue for the threads in the ready state
  - Multiple queues for the threads in the waiting state (one queue for each type of I/O requests)