

**CSCE 317 Spring 2017**  
**QUIZ 3**  
Assigned Thursday, 17-02-16

Match each term below to its definition or notation:

1. Average Arrival Rate
  2. Average Service Rate
  3. Service Requirement or Size
  4. System Throughput
  5. Utilization
1.  $\mu$
  2.  $\lambda$
  3. The time it would take the job to run on a server if there were no other jobs around (i.e., no queueing); usually written **S**.
  4. The fraction of time a device is busy; usually written  $\rho$ .
  5. The rate of completions in a system (e.g., jobs/sec); usually written **X**.

Answer: 1-2; 2-1; 3-3; 4-5; 5-4.