MSCI 555 Scheduling: Theory & Practice

Case study (maximizing throughput: the value of dispatching rules)

Due April 7, 2016

1. Schedule all jobs using the Longest Processing Time First (LPT) dispatching rule. Calculate the maximum lateness, and the percentage of jobs completed late.

2. Schedule all jobs using the Shortest Processing Time First (SPT) dispatching rule. Calculate the maximum lateness, and the percentage of jobs completed late.

3. Schedule all jobs using the Earliest Due Date First (EDD) dispatching rule. Calculate the maximum lateness, and the percentage of jobs completed late.