

# **IE 516 – Manufacturing Planning and Control**

Fall 2014

Home Work # 4

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- Q1. Proof that for problem  $F||C_{\max}$  an optimal schedule exists with
- The job sequence on the first two machines is the same
  - The job sequence on the last two machines is the same
- Q2. Give an instance of problem  $F||C_{\max}$  for which no permutation schedule is optimal.
- Q3. Problem 6.1, 6.2, 6.3, 6.4, 6.5, 6.8, 6.13, and 6.14 form Pinedo Book.