

For question 1 use RStudio to create a one-page pdf with your name and USC ID. For questions 2 and 3 create a MS Word file and include a screenshot of your model and a screenshot of a spreadsheet with the required results. Convert this file into a pdf. Combine this pdf with the pdf from question 1, into a single pdf. Then submit your file onto Blackboard.

1. (30 pts) Use RStudio to solve Exercise B-1 parts **c,d,f**, from Appendix B, textbook.
2. (40 pts) Chapter 3 Exercise 3-15 p115.
Include the spreadsheet developed in class with the same Averages shown in Table 3-1, p97 (only first two rows). Add a row with columns WIP, Total Time, Waiting Time, Number Processed, and Avg. Utilization, for this new model.
3. (30 pts) Chapter 4 Exercise 4-1 p194
(*hint* : use a **Delay** module from the **Advanced Process Panel**, for the travel time).
Include a one row table with three columns (Average Total Time, Number of passengers completing check-in, Length of the check-in queue).

Report must be made of letter size pages in portrait format (not landscape). Animations are not needed. In all cases use seed value equal to 999.