HOMEWORK

IE 526: Advanced Applications of Systems Modeling and Simulation
Fall 2018

THE UNIVERSITY OF TENNESSEE KNOXVILLE

Homework Assignment (#1)

1: Prepare a list of software packages for "Modeling and/or Simulation" and address the following: a). The features of the packages; b). The limitations of the packages. Feel free to use your favorite search engines and refer to Winter Simulation Conference proceedings, IIE Magazine, and OR/MS Magazine.

2: Conduct a literature review on the application of modeling & simulation to one or more research areas of your interest, e.g. "supply chain management", "homeland security", "transportation", "healthcare", and so on. Attach 5 to 10 key references that you cite along with your review when you submit it.

Requirements: Scientific writing style. There are many excellent (and not-so-excellent) resources online regarding technical writings, e.g., "The Science of Scientific Writing" https://www.e-education.psu.edu/styleforstudents/c10_p6.html).

Submission Guideline: 1) Submit to Canvas. 2) Email your homework to ie526.utk@gmail.com. When you have multiple files, please zip them into one single file. 7zip (http://www.7-zip.org/) is recommended and .7z file extension is suggested. Note that occasionally, UTK email system may filter emails with attachments, especially when attachments are like .zip and/or with executable files. You should receive an email notification if your email goes through.

Naming convention: Please name your files consistently using names like "hw1_yourname.zip".