

1125-VF-311      **P Ye\*** (pye@ung.edu), 2511 Education Way, Oakwood, GA 30566, and **M D Norton**. *The pharmaceutical Supply Chain*. Preliminary report.

This paper is going to create a bridge between some basic understandings of graph theory and how those principles are used in the creation of a pharmaceutical supply chain used by businesses. The Shapley value is used in the supply chain with a custom definition as it can be applied in a few different ways depending on what needs to be solved to find the most efficient route. In the end a pseudo pharmaceutical supply chain example will be created to demonstrate the decision making process that happens and all of the options that have to be weighed. (Received September 16, 2016)