

## HW 2: PharmaCo Case Study

ISE 453: Design of PLS Systems

Spring 2020

Names: \_\_\_\_\_ Unity ID: \_\_\_\_\_ 23 Jan, due 30 Jan

You can submit your solution in Moodle (no paper submission required), two people group, one submission per group.

For this assignment, you should use LLamasoft's Supply Chain Guru to solve the PharmaCo Case Study Part A. The current total ongoing cost for operating PharmaCo's pharmaceutical distribution network is over \$109 million. The case study involves determining a mix of both closing and/or increasing the capacity of the existing distribution centers to reduce this cost while continuing to serve all demand. Your solution should satisfy all of the demand while reducing ongoing cost. The best known reduced ongoing cost for this case study is under \$96 million, with an increase in one-time cost of \$5 million. You can submit your solution in Moodle by exporting your results from Supply Chain Guru, making sure to include information regarding your scenario costs and your changes to the distribution network.

An email will be sent to you with details of both the case study and the software and the Authorization Code to license the software. You should download and extract the folder along with following the instructions in the document *NCSU\_LLamasoft\_Instructions\_20200122.docx* from LLamasoft regarding the installation of Supply Chain Guru on your machine. After installing, you should watch the video *GettingStartedSCGXFinal* that is on the main home screen. *PharmaCo\_ScenarioGuide\_Part A.pdf*, which is in the folder *PharmaCoCaseStudy\_PartA*, has instructions for completing the case study.