To-Do:

1) Complete functions for updating the options files

--> SetOptions.py

2) Build read/write for options files

>>>>> REQUIRES (1) COMPLETED <<<<<

--> ReadOptions.py

--> WriteOptions.py

3) Build main process file

--> ThermalFatigueRNN.py

4) Build save/load funtion for constructed models

--> SaveNN.py --> Class Method (COMPLETE 3/9/2020)

--> LoadNN.py --> Class Method (COMPLETE 3/9/2020)

5) Complete training function with holdover and k-fold cross validation

>>>>> REQUIRES (6) COMPLETED <<<<<

--> TrainNN.py --> Class Method

6) Build function for importing input/output data

--> ReadIOData.py

7) Build function to consolidate NumMod outputs

--> ProcessNumericalModelData.py (COMPLETE 3/10/2020)

8) Build function to evaluate neural net models

--> EvaluateNN.py --> Class Method

9) Build function to generate model predictions

--> PredictNN.py --> Class Method

10) Build shell to automate build, train, evaluate, and predict functions

>>>>> REQUIRES (3) COMPLETED <<<<<

--> NeuralNetworkShell.py