

Class exercise

Simulation and Modeling (CSCI 3010U)

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Bicycle simulation

You are asked to build a simulation for a bicycle. Your goal is to go through a thought exercise and answer the following questions (in as much detail as possible)

- Why would anyone want to simulate a bicycle?
- Who might be potential users of such a simulation?
- What characteristics of the bicycle and its environment would you simulate?
 - Try to prioritize these characteristics and motivate the characteristics based upon the reason for the simulation and its potential users.
- How will you validate this simulation?
- How long do you think it will take you to make this simulation?

Due back before the end of the class.