

SEN9110 Simulation Package: Assignment 2

Assignment to be carried out in your simulation package

Extend the simulation model of the Ferry with the following features:

- if you were a bit behind with the 1st assignment, expand the model further if necessary.
- animation:
 - make a realistic animation of the processes in the simulation (as far as the package allows it)
 - create realistic driving and queuing of the cars, i.e., no jumps when they queue up, and no jumps between the booths and the queues (again don't overdo, just check what's possible).
 - check if it's possible to place information about the number of cars per lane and waiting times per category of customers in the animation
- graphs:
 - provide graphs in the simulation of the number of waiting cars and the waiting times, all per car category over the day, and on the mainland and the island
 - provide clear insight using graphs and numbers in the model about the delay times of the ferry per sailing, as it occurs over the day
 - Provide insight into the distribution of waiting times over a full day, for cars at the payment booth, for those tourists who did not pre-pay?

Deadline and requirements

Hand in a small slide pack (5-10 slides) describing how you built the animation, and what features are supported in the package. Describe what was easy and what was difficult, compared to simulation package(s) that you know. Hand in the model as well (if possible).

The slides and model have to be uploaded Friday 25 September latest at 17:00 to "Simulation Tool Assignment 2" in Brightspace.