

## FLUID MECHANICS

### TERM PROJECT

**Due date: April 10, 2020**

When the gate is filled with sea water, it lies in sea bottom. The gate's dimensions are 30 m x 4 m x 18 m. The gate is to be utilized to save shoreline when sea level rises due to tidal currents. Determine the material and thickness of the gate shell to ensure the gate to make a  $15^\circ$  angle with the vertical.

