

# Lecture 1 - January 10

## Syllabus & Introduction

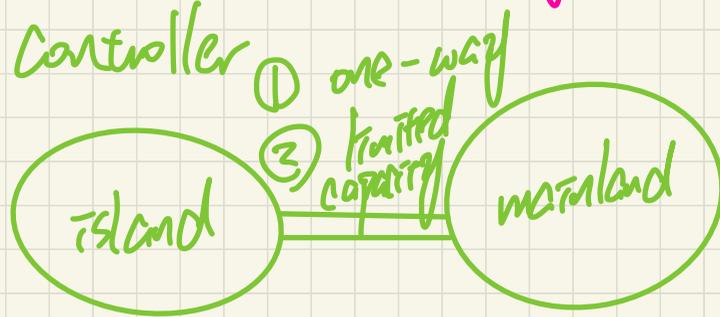
***Safety-Critical Systems***

***Code of Ethics of a Professional Engineer***

***Developing Safety-Critical Systems***

# Safety - Critical Systems

1. nuclear power plants (e.g. Padington).
2. auto driving.
3. patemaker (patemaker challenge McMaster)
4. bridge controller



Precise

EEIS 4312

↳ no scope of multiple interpretation

↳ math!

Complete

↳ no missing scenarios.

↳ all possible "exceptions" of the system exhibit the safety property.