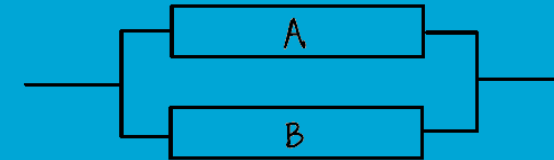
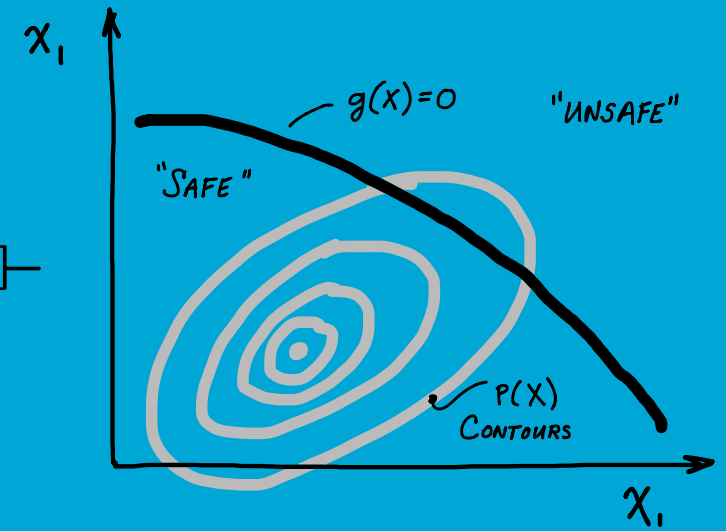
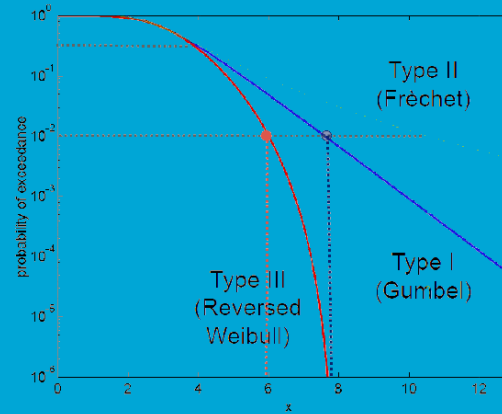


# CIEM42X0 Probabilistic Design

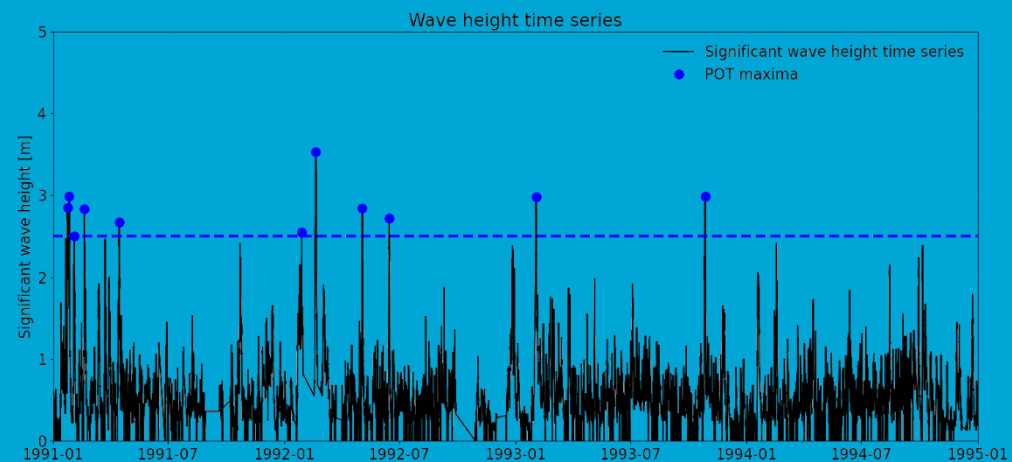
Hydraulic and Offshore Structures (HOS) Track

Civil Engineering MSc Program



## Introduction

Robert Lanzafame



# CIEM42X0 Probabilistic Design

3 main topics: extreme value analysis, component reliability, system reliability

Objective: learn how the methods can be used to gain insight and improve your design

Course setup:

- Tuesday lecture, Friday workshop
- Various assignments (homework or in-class workshops on Friday)
- 3 workshops submitted for feedback/grade (weeks 2, 5, 8) → more info next week

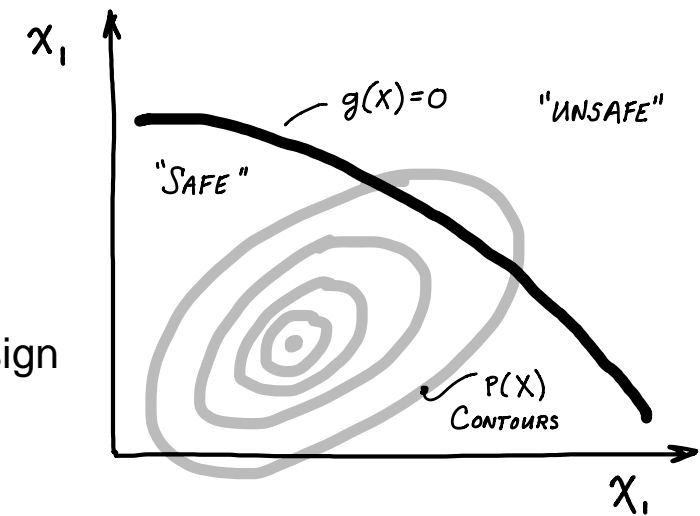
Unit Website(s): textbook links, calendar, announcements, logistics, etc

Assessment: incorporated in projects and exams for each unit

→ bookmark the website!  
→ The comp-mod site too!

→ use code from assignments!

Contact Robert Lanzafame with questions.



# Demonstration (not on slides)

- Website
- Online Textbook
- Activities/overview for each week
- This week
  - Read
  - Review
  - Program (in the book, or run your files from MUDE)

# Programming

- No in-class sessions in Week 3
- But there will be homework → Python setup 😊
  
- “New” for Q4 (compared to MUDE):
  - VS Code
  - Python Environments
  - OpenTURNs
  - **GitHub**
  - ???

# Summary

- Keep an eye on the Unit Websites (prob-design and comp-mod)  
(major announcements will go through Brightspace)
- Review Chapter 1 by Friday (do the exercise!)
- Let Robert know if you have questions!