Introduction to Generic Programming

- Module administration

- Overview of compile-time programming

- Write a "function" to calculate either the nth Fibonacci number, the factorial of n, or maximum number of two given numbers.

  - Is your solution iterative or recursive?

  - Are you able to translate your solution to calculate the result at compile-time rather than run-time?

- Template template parameters

- Specialisation rules

- How do I simulate control structures at compile-time?

  - Selection

  - Repetition

- Polymorphism in compile-time?!

  - Dynamic vs Static polymorphism