ECE326
PROGRAMMING LANGUAGES

Lecture 37 : Final Review

Kuei (Jack) Sun

ECE

University of Toronto

Fall 2019

Final Exam

- Monday, December 16th
  - 9:30am - 12:00pm
  - BA1180/BA1190

- Cheat sheet is allowed
  - Double-sided
  - Letter-sized paper
  - No restriction

- 9 Questions
  - With sub-questions

Breakdown

- True or False

- Multiple Choices

- Short Answers
  - With written responses

- Will cover entire course content

- 50% pre-midterm, 50% post-midterm

Breakdown

- Multiple Inheritance
  - Structure layout

- Template Metaprogramming
  - Variadic template

- Reflective Programming
  - Descriptor
  - Metaclass
  - Decorator

Breakdown

- Rust Programming
  - Ownership and Lifetime
  - Traits
- Concurrent Programming
- Iterators
  - Rust Iterator Adapters
  - Generators
  - Coroutines

Hints and Advice

- Emphasis on assignment 3 and 4
  - Strong understanding will be very helpful

- Understand the conceptual topics
  - Type systems
  - Language features

- Learn how to apply them in different settings
  - E.g. Is it useful to have generators for Rust?
  - E.g. How can we add generators to Rust?