COMP4211 Adv. Architectures

Introduction

What are we going to study?
- Advanced pipelining
  - H&P App A., Ch 3 & 4
  - Reconfigurable microprocessors
  - Research papers
- How will we study it?
  - Seminars

What else will you need to do?
- Project
  - Proposal
  - Presentation
  - Report
- Seminar log

Assessment
- Seminar presentation 30/100
  - Presentation quality
  - Thoroughness
  - Ability to answer questions
- Project 60/100
  - Proposal 5/60
  - Presentation 15/60
  - Report 40/60
- Seminar log/class participation 10/100
Exercise

➡️ What is your interest in Advanced Arch?
➡️ What do you hope to get out of the course?
➡️ Apart from your formal architecture studies, how much do you read in the area for interest’s sake?
   ➡️ None ☐ Some ☐ Enthusiast ☐
➡️ Where do you get your fill?

Define
- Pipelining
- In-order execution
- Out-of-order execution
- Static scheduling
- Dynamic scheduling
- Superscalar
- Reconfigurable computing