Syllabus and (tentative) lecture plan for ECEM116C

Lecture 1: Introduction

Lecture 2: Instruction Set Architecture

Lecture 3: Binary arithmetic in hardware, Arithmetic and logic unit

Lecture 4: Floating point arithmetic

Lecture 5: Datapaths

Lecture 6: Pipelining

Lecture 7: Pipelining

Lecture 8: Pipelining

Lecture 9: Pipeline hazards

Lecture 10: Advanced Pipelining

Lecture 12: Caches

Lecture 13: Caches

Lecture 14: Virtual Memory

Lecture 15: Multiprocessors

Lecture 16: Futures

Lecture 17: Review