**CPSC 457** Operating Systems

The Revenge of Hardware The Concepts of Operating Systems Last Time

The History of A Hardware Operating Systems Refresher (from an OS perspective)

This Time

The Revenge of Hardware

Device I/O

The Truth about Buses

Operating System Concepts

Address Space Types of Operating Systems Files and File Systems Organization of OSs System Calls

Processes

I/O Devices

Buses

Types of Operating System

Tanenbaum's Zoo

Mainframe

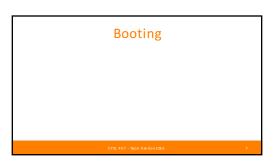
Server

Personal Computer (Desktop)

Mobile

Embedded Real-Time

## Organization of Operating Systems Some Broad Categories Monolithic Layered Microkernels Modular Hybrid Virtual Machines





Address Space

