CPSC 457: Principles of Operating Systems

Tutorial 01: TR 11:00 - 11:50 MS 119
Tutorial 02: TR 16:00 - 16:50 MS 176

March 5, 2013
Announcements

Homework 2 is due March 15th
Homework 3 is due April 12th
Where We Are

- Linux Loadable Kernel Modules (LKM)
- Modifying and Building Kernel Source Code
- System Tap
 Kernel Versions

- 2.6.x.y
  2.6.39 was the last one

- 3.x.y
  current stable release 3.8.2

- Sometimes a suffix is added ex: 3.9-rc1
Kernel Versions

- Distribution vs. Kernel Trunk
- Distribution Modules
Kernel Files

• Where are they?
  
vmlinux
System.map
initrd/initramfs
config
Compiling the Kernel

- Download the Source Code
- Configuration
- Compiling Base Kernel Code
- Compiling Modules
- Installing Modules
- Installing Kernel Files
- Modifying Bootloader (GRUB)
Questions?