Institute of Technology Labs

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http://tinyurl.com/uwtlabs
Agenda

• Lab Types and Locations
• Access to Physical Labs and Computers
• Virtual Computing Labs
• Pseudo-Labs (JOY 001/009/205)
• Staff Responsibilities
• Resources
Lab Types and Locations

• Institute of Technology Labs
  – General Development/Use: DOU 110; and SCI 106/108 (24x7)
  – Teaching and Research (24x7, co-managed with faculty)
    • Embedded Computing Systems (ECS): CP 206D
    • Information Assurance & Networking (IAN): CP 206H
    • Computer Engineering Projects (CEP): SCI 113
    • Computer Engineering Extension: CP 206I

• Campus Labs: UWT IT Dept.
  – General: WG 108
  – Multimedia Lab: CP 005

• Campus Classrooms: UWT IT & Institute – Pseudo-labs
  – JOY 001, 009 and JOY 205
Access to Physical Labs & Computers

- Key card access to our labs
  - All students: general development labs
  - Faculty designate access to Teaching and Research Labs
- Institute Login accounts
  - INSTTECH is the domain where accounts reside
    - u.washington.edu is allowed as well
    - Login: uwnetid@u.washington.edu
    - Password: same as MyUW
- Campus lab/classroom login accounts
  - UWTACOMA is the domain where accounts reside
    - Login: UWTACOMA\uwnetid
    - Initial password for students: student id minus leading zeroes
    - Initial password for faculty: to be provided
Virtual Computing Labs (VCL)

• VCL: collection of private clouds of varying capacities
  – virtual machines and networks hosted on powerful servers

• Virtual machines (VMs)
  – Predefined for individual student/faculty or class use
    • OS and apps may be pre-installed, or students may be asked to do so
  – Available on per-quarter basis
  – Accessed via the real network from anywhere
    • Keystrokes and mouse activity sent to VM
    • Changes to display of VM seen in a window

• VMs and virtual network
  – Usually defined by faculty for course use
  – Can be managed by student
    • Easiest is via Windows, due to special manage_vc app

• Also used for software restricted to UW-owned equipment
Pseudo-Labs (JOY 001/009/205)

• Mostly used by Information Technology program
  – Maintained and controlled by UWT IT dept.
  – Institute defines software installed
    • Often, identical to that installed in Institute labs or VCL

• Students:
  – Do not get key card access
  – Cannot use rooms 24x7, as they can with most labs

• Institute gets priority over scheduling rooms, but other programs and departments may use
Staff Responsibilities

- **Institute staff**
  - Don McLane/Bob Landowski
    - Handle CES program activities in related labs
  - Stephen Rondeau
    - Maintains computers and networks in all labs
      - Installs and configures software on lab computers
      - Does not maintain faculty computers: email tachelp@uw.edu
    - Maintains lab infrastructure servers
    - Purchases hardware/software for all labs
      - Does not purchase for faculty office use: see Joel Larson

- **UWT IT Staff: JOY 001/009/205**
  - Keiji Oka via tachelp@uw.edu
Resources

• Faculty information for classroom/office/labs:
  – http://tinyurl.com/uwtiotfac

• Lab web pages:
  – http://css.insttech.washington.edu/~lab