The computer lab is equipped with a number of resources. As of March 2013 those resources include:

**PC Hardware**
- Server running Windows 2008 R2 Enterprise, providing file storage
- 16 workstations, CPU Pentium D 3.4Ghz, 80GB hard drive, each with 3gb ram, DVD burner, 256MB ATI Radeon video card and LCD monitors
- A networked HP 4500N color laser printer
- 5 roll-up portable digitizing tablets

**PC Software**
- Windows 7 SP1
- ArcGIS 10
- ArcView 3.3 with Spatial Analyst, Network Analyst, 3D Analyst, Image Analyst, and ArcPress
- ERDAS Imagine 2011
- ArcHydro
- Statistix
- Write-n-Cite
- Manifold 8
- Corpscon
- Fragstats
- Garmin - MapSource
- DNR Garmin
- Garmin Trip and Waypoint Manager
- RStudio
- Miscellaneous GIS utilities (varies with class needs)
- ILWIS
- TropCrop
- Office 2010 with Word, Excel, Powerpoint, and Access
- Acrobat Reader
- 7-zip
- USDA Soil Data Viewer (SDV)
- Google Earth
- Internet Explorer 9
- Firefox

**Getting started**
You must have an account in order to use the computers. If you are in a class, an account will be assigned to you, otherwise please see Jerrod Prevost, Ian Bishop, or Justin Buechel for account information (contact info below).

The computers should stay on all the time, but the monitors should be turned off when not being used, so when you first sit down at a computer you will need to turn on the monitor. You will see a Windows logon screen. Press Ctrl-Alt-Del to logon.

**To log on:** Type your username in the first blank. Type your password in the second blank. Verify that you are logging into the correct domain in the third blank, which must be CALSNET (a CALS-wide domain).

**Do not install new software of any kind unless instructed by your professor.** This is a computer teaching lab and all machines must operate in an identical and predictable manner. Professors, TA’s, and researchers may request changes to workstations at any time. Unauthorized changes by students
will not be tolerated. By default, users will generally be unable to access configuration settings or install new software.

Running programs
To run programs, click on the "Start" button, and either choose from the options at the top of the pop-up menu, or click on "Programs" and choose from those options

Finishing up
When you are finished working, please do not shut the computer down. Click the Start button, then choose “Log off”.

Policies and Rules
- Use of equipment in the computer lab either from within the room or by remote access is subject to university computer use policies. If you have questions about what is appropriate under these policies please see the system administrators.
- The room will be used for research, teaching, and extension purposes only. It is not a public lab.
- Do not prop the door open. Doing so will cause the building security system to generate a silent alert.
- Classes and labs in progress in the room will take precedence over research projects, and students who have signed up to use the lab as part of a research project are asked not to use the room during class or lab time unless by special arrangement with the professor who is teaching.
- Although we have redundant systems and backups are performed with regularity, understand that we cannot guarantee zero data loss in the event of a system crash, due to the frequency of changes made to data. Backups occur each night, with offsite rotations once per week.
- Research accounts are subject to removal if there is no activity for 6 months. To avoid this, please let us know if you will not be logging in for awhile but will be back to work more at a later date. All accounts are backed-up before removal and kept for one year. They can be restored during that time if necessary (please observe the previous note regarding backups as well.)
- Do not use class accounts after the semester is over. If you need to continue using the room please make arrangements with the system administrator for a standard user/researcher account.
- Food, drinks, and pets are not allowed in the room.
- Do not attempt to load any software or make any configuration changes. Do not store any data on the local machines except by arrangement with the systems administrator. All data should be stored in your personal or class account directory on the server. The workstation configurations are generated from a disk image on the server and may be regenerated at any time with no warning by the system administrators. In the event of a problem where the machine needs to be regenerated, all data will be lost from the local machine. Note also that the local machines are NOT backed-up. All data WILL be lost when the machine is regenerated. All machines are regenerated at the very least, once a semester.
- Requests for software or configuration changes should be made to the system administrators. System administrators reserve the right to request testing of desired changes prior to installation on all systems to avoid conflicts with other software.
- Users are not local administrators of the computers. All software that is installed in the room must be capable of being run by non-administrator users. The system administrators will help configure software and make minor changes to registry and file permissions to help facilitate this, but also reserve the right to draw the line with software that requires extensive changes to security or system configurations in order to operate.
- Problems should be reported to the system administrators.
- Do not attempt to repair any equipment in the room. Please contact the support staff for assistance.

Contacts: Jerrod Prevost, lab & server support - jip34@cornell.edu, 254-1254
Ian Bishop, systems support - inb3@cornell.edu, 255-3882
Justin Buechel - jb743@cornell.edu