

2007-2008 SDAL Fee Schedule

Background

Effective Fall 2007, the UH-Hilo Spatial Data Analysis Laboratory is instituting a fee schedule that will apply to research and instruction conducted with the SDAL facilities and equipment. This will bring the SDAL into line with the other EPSCoR laboratories (all of which are charging fees). Moreover, fee collection is necessary to the long-term survival the lab and is consistent with NSF/UH expectation that facilities started with EPSCoR funds will become self-supporting. Fees will be placed in a RCUH revolving account that will 1) defray operating costs, 2) contribute to running the lab after the EPSCoR grant ends and 3) provide funds for long-term replacement and maintenance of equipment.

The intention is that those with the means to pay should contribute financially. For the time being users without the funds will enjoy free access. Please note that all the fees are less than full cost; EPSCoR is still providing a subsidy.

Access Policy

- Laboratory equipment and facilities are available to all UH faculty, all UH staff, all students taking courses scheduled in the lab, and all students (undergraduate or graduate) conducting research under the supervision of a UH faculty or staff member. Please note
 - UH refers to the system (all campuses).
 - Access is granted to non-UH researchers if they are collaborating with and sponsored by a UH faculty or staff member.
 - All students that wish to check out equipment need to obtain the signature of an instructor or advisor that is willing to assume financial responsibility in the event of equipment damage or loss. The advisor may sign off for periods of time ranging from a week to a year.
- Researchers without the means to pay fees will not be denied access as long as they can demonstrate their need and can work out an arrangement with the lab manager. There is a process for applying for a waiver of fees.
- Departments or programs without the means to pay instructional fees will not be denied access as long as they can demonstrate their need and can work out an arrangement with the lab manager. There is a process for applying for a waiver of fees.
- For the most expensive pieces of equipment, use is restricted to those with appropriate training. SDAL personnel can provide training but there may be a fee (\$30/hr) in some cases.

How to Pay

- Users will be invoiced. Upon receipt please submit a purchase order or journal voucher to RCUH account # 002208.

Philosophy Used in Setting the Fee Schedule

- Those with the means to pay are expected to do so. Those with grant monies are expected to pay. Academic programs are expected to begin contributing to the cost of providing the teaching facilities.
- Fees for the 2007-2008 academic year are discounted to reflect the EPSCoR subsidy. Prices can be expected to rise steeply at the end of the EPSCoR grant.
- Fees are sensitive to what the market will bear.
- Fees for first-time users were set low or waived in order to encourage training. Equipment fees are usually waived when an instructor wishes to demonstrate of use the equipment in their courses.
- Fees for the less expensive equipment (handheld GPS) should be sufficient to replace units as they wear out. We cannot expect to save enough money to replace the more expensive pieces of equipment (\$10,000 and up), but we can save enough money to handle ongoing maintenance costs.
- Fees collected through during AY 07-08 and AY 08-09 will be used to maintain SDAL facilities at a minimal level during AY 09-10. This will provide a cushion between the termination of the EPSCoR grant and a longer term (sustainable) solution.

Questions can be addressed to SDALhelp <sdalhelp@hawaii.edu>.

2007-2008 SDAL Fee Schedule for Research Projects

1.) GIS and Remote Sensing software:

a.) Up to 20 hours per person per year: Free

b.) Up to 80 hours per year: \$150/year (per project or per investigator).

This covers software licenses, computers/printers/scanners, and personnel time for software installation and maintenance. The fee also includes 2GB of server space.

c.) More than 80 hours per year: \$400/year (per heavy user per project).

This covers software licenses, computers/printers/scanners, personnel time for software installation and maintenance, and 4 GB of server space. Additional space is \$15/GB/year.

IF THE ABOVE CATEGORIES DO NOT FIT YOUR SITUATION, THEN APPROPRIATE FEES CAN BE NEGOTIATED WITH THE LAB MANAGER.

Please note that the server space should be considered a temporary workspace and not an archiving space. For a secure back-up of your work please use your own external drive. Our back-ups are for disaster recovery and are not guaranteed.

- 2.) **Server Hard Drive Space:** \$15/GB/year for projects that require temporary server workspace but do not use GIS/Remote Sensing software.
- 3.) **Training** in the use of software or operation of equipment. Each investigator is entitled to four free hours per year, and \$30/hour thereafter.
- 4.) **Technical assistance** such as preparation of maps or data preparation: \$30/hour.
- 5.) **Large format printing** (\$5/sf) or **extensive small format color printing** (\$.50/ 8.5x11in page). In addition to the cost of printing we will assess a \$20.00 per hour surcharge for any editing/processing of documents. The first hour charge is waived.

6.) Equipment Rental Fee:

- a.) Digital Camera: \$2/day or \$8/week
- b.) Handheld GPS: \$2/day or \$8/week
- c.) Trimble GeoXT differential GPS: \$40/day or \$150/week
- d.) Trimble GPS Pathfinder Pro XRS Backpack System: \$100/day or \$400/week
- e.) Leica GS20 Laser Locating GPS system: \$80/day or \$300/week
 - i.) Leica GS20 GPS with backpack receiver: \$40/day or \$150/week
 - ii) Laser Locating Binoculars: \$40/day or \$150/week
- f.) Spectroradiometer (ASD Field Spec Pro Jr.) \$200/day or \$800/week
- g.) Tablet PCs (GPS enabled running ArcPad 7.x): \$40/day or \$150/week
- h.) Pocket PCs (GPS enabled running ArcPad 7.x): \$5/day or \$20/week
- i.) Slide or Hardcopy Scanners (no charge)
- j.) DVD burner (no charge)

EXCEPTIONS to the Equipment Rental Fee schedule:

Users who lack experience with a particular piece of equipment are entitled to two free days of use plus two hours of free training. Experienced users are entitled to one free day per year for any given piece of equipment. Instructors that wish to use equipment in their courses are entitled to two free days per semester plus demonstrations/training by the lab manager.

2007-2008 SDAL Fee Schedule for Educational Use

1. GIS and Remote Sensing Software and SDAL Computers

- Each student account is \$25/student per academic term. This applies to course-related instruction, and individual instruction such as 399 projects, non-funded thesis projects, and projects being administered through internship programs. Other uses fall under the "research" guidelines/fee schedule.
- Each instructor account is \$25 per academic term.
- When the entire lab is booked for a one-time use the fee is \$25/class period; \$250/half day; \$500/full day. Fees may be waived if two seats in a training workshop are filled by UH faculty, staff, or researchers.
- Student and Instructor accounts include 1GB of space on the Z drive. Instructor accounts also include 2 GB of space on the I drive; Additional space is \$15/GB/year.
- The fees cover software licenses, computers/printers/scanners, overhead projector, personnel time for software/hardware installation/maintenance and limited amounts of black and white printing.
- Departments and programs--not students--are responsible for fees. Departments are responsible for all students in their courses (regardless of the student's major). Internship programs are responsible for their students.

2. **Technical Assistance or Training** in the use of software or operation of equipment. The first six hours (per instructor per academic year) are free, with additional training at \$30/hr.

3. **Use of equipment:** The educational fee schedule is identical to the research fee schedule. Please note that instructors that wish to use equipment in their courses are entitled to two free days per semester plus demonstrations/training by the lab manager.

4. **Large format printing** (\$5/sf) or **extensive small format color printing** (\$.50/ 8.5x11in page).

In addition to the material costs of printing, we will assess a \$20.00 per hour surcharge for any editing/processing of documents. The first hour charge is waived.

Notes about fee schedule:

1. For computer facilities, the annual cost per seat (including installation and maintenance) is on the order of
 - \$275 GIS
 - \$275 Imagine
 - \$600 one computer
2. Using the above figures, the cost of providing facilities for a 10-student GIS course in the fall and a 10-student remote sensing course in the spring is about \$12,000. This should be compared to \$600 in fees using the 07-08 fee schedule. If research users bear ½ of the costs, and six courses a year are taught in the lab (we have been averaging about 4), then the price per student per semester works out to \$100 versus the \$25 being charged.
3. A rough estimate (probably low) of cost of personnel for installation and maintenance of software is 33% of the cost of the software.
4. The personnel cost for technical assistance and training is estimated at \$60,000/yr (incl. fringe), divided by 2,000 hours/year = \$30/hour.
5. Fee schedules for equipment reflect both the cost of the equipment and what the market will bear. Very approximate purchase costs of equipment are as follows:
 - a. Handheld recreational GPS cost about \$250 and can be expected to last for three years.
 - b. The PocketPCs (with upgrade) cost about twice the recreational GPS units.
 - c. The Trimble backpack differential GPS costs \$15,000. It may last for five or more years before breaking or becoming obsolete.
 - d. If the GeoXT differential GPS costs \$5,000. It may last for five or more years before breaking or becoming obsolete.
 - e. The TabletPC also costs about \$5,000, plus more for the peripherals.
 - f. The Spectroradiometer costs about \$60,000 but is less likely to become obsolete. It will be difficult to replace such an expensive piece of equipment.
 - g. The Leica GS20 Laser Locating GPS system can be used as a system or with the separate components: GS20 GPS or the Laser Locator Binoculars. The pricing strategy reflects this option.
6. Printing charges reflect UH-Hilo Graphics pricelist
