

21.5. Library and Information Resources

21.5.1. Describe and comment on the adequacy of information retrieval and learning resources.

The Veterinary Medical Library (<http://www.lib.ncsu.edu/vetmed>) is one of four branch libraries of the NCSU Libraries. Administered by the NCSU Libraries, the library primarily supports students, faculty and staff in the College of Veterinary Medicine. The library also serves agricultural and biomedical scientists in other NCSU Colleges and professionals across North Carolina and the nation through document delivery and interlibrary loans. The library collection consists of over 63,000 print and electronic volumes and 400 current journal subscriptions in the areas of veterinary medicine, medicine, public health, toxicology, pathology, microbiology, anatomy, physiology, animal sciences, zoology, practice management and animal welfare and ethics.

The NCSU Libraries holds over 3.5 million volumes, has 57,000 current serials subscriptions and over 5.4 million microforms, therefore ranking as the 27th largest research library in North America. Through our membership in the Triangle Research Library Network (TRLN) and NCLive, faculty and students have expanded access to almost 330,000 electronic resources. Through Tripsaver, students and faculty also receive expedited interlibrary loan services of medical research materials, with books generally available for pick-up in three days. Articles are sent directly to their email in about one to two days. As a member of the Association of Research Libraries, the NCSU Libraries is able to get materials via interlibrary loan from libraries around the world.

The entire College has wireless connectivity to support individual laptops or handheld devices. The library has two Windows XP computers with DVD/CD-R drives, and six Sunray workstations that offer internet access, MS Office applications with printing on a cost-recovery basis or downloading via USB ports. A computer lab, located in the library, consists of twelve Windows XP based computers with Microsoft Office and campus productivity software, eight of which have CD-RW drives. Students use these computers to access course materials using both MS Office and campus courseware applications and laboratory images, e-mail, and do research. The lab also contains a scanner and large capacity printer (printing costs are subsidized). An adjacent media lab provides eight user stations for viewing media, four for VHS and four for DVD. All have multiple headphone hookups and accommodate more than one user per station so groups up to six can view together at one time. The library loans wireless cards, laptops and tablet computers, and MP3/IPOD players to NCSU users, bringing not only the information but also information technology to the user.

Six group study rooms are available with pull down screens and dry erase boards. A large conference room includes a digital projector system, large video monitor and player, slide projector, x-ray viewer, and a teleconferencing system. The Special Collections room contains travel materials used by The International Veterinary Student Association and a dedicated computer for using language self-instruction programs on Rosetta Stone.

21.5.2. Describe the academic credential(s) for the librarian in charge of the library.

Laura Osegueda is the Head of the Veterinary Medical Library and has led the development and growth of the library for the last eleven years. Ms. Osegueda has a Masters in Library and Information Studies from an ALA-accredited university. She also has a Bachelor of Science degree in Biological Sciences. She is an active member of the Special Libraries Association (SLA) and Medical Library Association. In 2006, she served as Chair of the Biomedical and Life Sciences Division of SLA. Ms. Osegueda also serves on the Taskforce on Electronic Publishing of the Veterinary Medical Libraries Section of the Medical Libraries Association. Her research interests include digital libraries and computer-assisted instruction.

21.5.3. Briefly describe the availability of learning resources support for faculty and students, including personnel.

The university library system provides on-line access to numerous database searches for students and faculty use (see <http://www.lib.ncsu.edu/searchcollection/databases/>). The library is open 103 hours per week during the academic semesters. Hours are reduced during breaks, holidays and summer sessions. Wireless internet access is available throughout the library and study carrels provide electricity for laptops. One color photocopy machine and four black and white photocopy machines are available. The library provides citation management software, EndNote and RefWorks, for faculty and students and offers training in its use several times throughout the semester.

CVM library employees include the full-time Head of the Library, two full time Library Technical Assistants, one full time Library Clerk, and 2.5 FTE students. The librarian works with the library administration and staff to identify, develop and implement goals and objectives for the library. The librarian is responsible for all aspects of daily operations of the branch library, such as circulation, reference, interlibrary loan and document delivery, collection management and evaluation, and preservation. The NCSU Libraries 2006-2007 budget for the CVM was \$69,790 for the purchase of books and media and approximately \$319,000 for the purchase of journals both in print and online.

Seventeen individuals support media needs and computing resources within the College. Their organization is summarized in Appendix 5-1. Biomedical Communications (BMC) serves as the central media and visual communications resource for the College. The BMC staff creates high quality educational media using instructional and educational computer technologies, biomedical photography, medical illustration and graphic design. The director of BMC designs and maintains the College's classrooms and provides a variety of media equipment for use by students and faculty. The Director of Web-Based Instruction is familiar with the wide variety of University, desktop, and LAN-based resources available for the development of course content. He consults with faculty regarding instructional design and web-based learning strategies. He is also in charge of the Mobile Computing program. The program has provided user training, technical support, repair services, and purchase advice to the nearly 500 PDA users over the past 4 years. Computing Resources maintains the College's computers, provides programming for major College initiatives, and maintains a 24-hour help-line for all College computer problems. Special projects performed by the IT department include enhancement of the electronic medical record system (UVIS) and the development of a Clinical Rotations Evaluation and Scheduling System (CRESS). The recently hired College Webmaster is in charge of developing and maintaining a uniform and creative Website for the College.

In addition to learning resources support, the university provides teaching resources support. The Faculty Center for Teaching and Learning (FCTL) (<http://www.ncsu.edu/fctl>) provides broad support for faculty instructional development. Current initiatives of the FCTL are Inquiry Guided Learning, Service Learning, The Scholarship of Teaching and Learning, and ePortfolios. With DELTA (Distance Education and Learning Technologies Applications), the FCTL provides numerous workshops for faculty to improve their instruction through the use of both technological and traditional methods. A listing of past and current workshops is available on-line at http://www.ncsu.edu/fctl/Events/Upcoming_Events/. In addition to workshops, the FCTL also offers instructional grants, informal consultations, and will gather student mid-semester feedback to share with instructors as well as videotape lectures for critique. DELTA provides IDEA (Innovations in Distance Education Applications) grants for faculty who wish to expand distance offerings. These need not be strictly distance education courses. One of our clinical pathology faculty received an IDEA grant to implement Virtual Microscopy as a method of improving student understanding of histopathology.

21.5.4. Describe current plans for improvement.

The lighting upgrade in the library recommended in the last accreditation report was completed and the reading room area is now well lit and heavily-used during all library hours. A \$97,000 library renovation was completed in late 2006. The renovation included new carpeting, reupholstered furniture, new shelving end panels, and fabric panels in the copier alcove. A recent million-dollar endowment was received to provide ongoing support for the library's collections and facility. On November 16, 2006, the library was dedicated in honor of the donor and was re-named the William Rand Kenan Jr. Library for Veterinary Medicine.

Plans to re-design the library computing center and adjacent rooms for more flexible use as a learning commons are underway. Architectural plans for this renovation will be tied to plans for the new Randall B. Terry Jr. Companion Animal Veterinary Medical Center to ensure a coordinated design strategy. The College and NCSU Libraries are working together to look at various models of use and service that would widely serve teaching and learning. The library is working on a project to convert VHS materials to DVD in order to eliminate the need for VHS devices in the College and provide materials in a format that is widely viewable both at home and on standard computer configurations.