

The UC library is one of the best among Latin American University libraries.

## FACTS AND FIGURES

### 1. NINE LIBRARIES

**1.1. Physical Collection:** More than one and a half million items of bibliographic material (including 7,500 journal titles).

**1.2. Yearly Services within the Libraries:** Yearly attendance reaches 1,750,000 (7,300 users daily). The users receive some of the following on-site services:

- 920,000 loans of bibliographic material (4,000 loans daily).
- 35,000 responses to user inquiries (150 inquiries daily).
- 15,000 users instructed on the efficient use of information resources (60 daily).

### 2. WEBSITE: ONLINE SERVICES GATEWAY

#### 2.1 Virtual Collection:

- Nearly 7,000 journal titles with fulltext articles.
- Nearly 100 bibliographic databases.
- More than 100 e-books.

#### 2.2 Yearly Virtual Services through the Website:

- The library Website receives a total of 6,800,000 annual visits (28,000 visits daily). Users make use of various services:
- Online Catalog: 7,500,000 searches (31,000 searches daily).
- Self Renewals: 128,000 self-renewals (500 self-renewals daily).

- Self-Reservations: 75,000 self-reservations by university students (600 self-reservations daily).
- Electronic Journals: 555,000 fulltext articles and abstracts viewed (a daily total of 2,300 fulltext articles and abstracts viewed).
- Bibliographic Databases: 971,000 searches (4,000 searches daily).
- E-Books: 2,000 accesses to all the titles (8 accesses daily).

### 3. PHYSICAL FACILITIES

- 20,000 square meters (213,887 square feet)
- 37,000 lineal meters (121,520 lineal feet) of shelves
- 2,790 seats
- 500 computers, printers, scanners and audiovisual equipment.

## ACADEMIC COMPUTING SERVICES AND FACILITIES

UC's Information Services and Computing Department (DGI) provides computer hardware, networks, software development, support, and worldwide communication for all UC's members in their academic, administrative, and research activities.

Of special relevance is the development of multimedia educational software and interactive virtual learning environments for the improvement of UC's own teaching and learning processes, both on-site and in distance education.

## COMPUTER LABORATORIES

Thirteen computer laboratories across all four Santiago campuses and the regional Villarrica campus constitute a major institutional effort to provide students with computer facilities. Primarily PC-Windows labs, some Linux workstations, and some Macintosh desktops are available and open to all the members of the University (all students have free access to their own email and Web-Internet / Intranet resources).

The CRISOL Project provides the hardware, software, and lab personnel to help members of the University who use computers in their teaching, learning, and research. Each lab consists of a local network of personal computers connected to the Internet, with software available for general productivity use. Software has been developed by our University for specific academic areas, such as Architecture, Medicine, Journalism, History, Nursing, Music, Education, etc. The widespread use of computers for study needs has prompted the UC to install outlets for portables at various locations.

## WIFI

The UC provides wide range wireless network access on all campuses in Santiago and Villarrica. Currently, more than 80 access points are in use and by late 2008, these will increase to 120.

### ACADEMIC SOFTWARE DEVELOPMENT

The in-house development of a platform for Course Websites has constituted a major project for the UC. With the aid of an easy to use interface through the Web, professors or their teacher's aides can upload course materials, administrative information and communication procedures to a standard but flexible Course Website. More than 1,500 courses have information online available to students. Of this information, the three most widely used items are course material, information on grades, and course news bulletins. Some courses have more sophisticated sites with multimedia teaching material that has been specially developed.

For specific teaching material, a group of professionals is available to solve problems and offer technological and innovative teaching advice. Engineers, programmers, graphic and instructional designers, and experts in teaching innovation team up with professors to explore options for new teaching methods using technological tools. The search is open for new methods that can shorten the period students need to absorb knowledge and develop new skills.

### MIPORTAL UC

MiPORTAL UC is an intranet through which students, using a unique identification, access various services and personalized information on all aspects of their academic life.

### VIDEO-CONFERENCING

Video conferencing facilities are of frequently use, particularly in surgery Medicine. Multi polar conferences have been held under the leadership of Carnegie Mellon University, the Tecnológico de Monterrey and the UC, with attending sites in Colombia, Argentina, El Salvador and Ecuador.

### MAINFRAMES AND INTERNATIONAL NETWORKS

Mainframes that support both academic and administrative activities are organized into clusters that include equipment such as Alpha and SUN 64 bit machines acting as servers for the scientific, computing, and number-crunching fields. A development environment for in house administrative applications is also provided, including databases and a centralized identity directory system.

The University network (REDUC) connects these mainframes to each other and to all computer labs for students, as well as to microcomputers located in the various academic departments. The network provides remote printing capabilities, electronic mail, data transfer, and user support.

INTERNET is available through REDUC. Fiber optics is used for communication between the campuses, where traffic flow is unlimited.

A functional network throughout the University

connects the digital PBXs in the campuses and assures efficient telephone communication and data transmission.

### DECENTRALIZED COMPUTING CENTERS

Numerous computing centers are located in academic units and run internally, with the advantages of being connected to the University's main network, REDUC.

There are local networks in most of the academic departments, and specialized research work labs at the School of Architecture, the School of Design, the Faculty of Biological Sciences, the Astronomy Department of the Faculty of Physics, the Language Department, and the Faculty of Mathematics. Microcomputer rooms for students are also available at the Faculties of Economics and Management Sciences, Law, Agronomy and Forest Engineering, and Communications. In addition, the Mechanics Department and the School of Architecture have CAD labs with workstations. Finally, each department of the School of Engineering has its own computer facility. Of particular interest is the Computer Science Department, which in a joint venture with the Faculty of Education produces multimedia material for secondary education.

The computers located in professors' offices and in administrative areas are also significant, with an estimated 4,000 machines in use.

