

Study of University Library and Adult Information Literacy Education

-- Taking Shandong Jianzhu University Adult Information Calibre Education as an Example

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Abstract. This paper describes the meaning of information calibre education and the necessity of the information calibre education in adult higher education. Meanwhile, this paper also analyses the advantages which the university library has in the area of information calibre education for adult students and the effective ways to implement adult education in university libraries.

Keywords: Calibre education; Study of University Library.

1. Introduction

In order to adapt to the development of the information age, lifelong learning has shown a trend of globalization. Chinese "Education Law" promulgated in 1995 stipulates that "a life-long education system must be established", which establishes the status of life-long education in law.

As a knowledge information center, university libraries not only shoulder the responsibility of information transmission, but also shoulder the important task of implementing information literacy education. In addition to emphasizing the information literacy education of college students, we should also attach importance to information literacy education in adult education, so that the library becomes an important base for adult continuing education.

2. The Meaning of Information Literacy and the Significance of Implementing Information Literacy Education

The concept of information literacy evolved from library retrieval skills. It was first proposed by Paul Zurkowski, chairman of the American Information Industry Association, in 1974, when he defined information literacy as use a large number of information tools (mainly referring to information sources) to use information technology and skills to answer questions [1]. Generally speaking, the composition of information literacy includes three meanings: information awareness, information skills, and information ethics. Simply put, information literacy refers to an individual's "ability to recognize when information is needed, and to effectively search, evaluate, and use the required information."

Information literacy education is an important part of quality education. Information literacy education is the core element of the development of lifelong education. The implementation of information literacy education for adult students is the need for highly informative social development and the need for knowledge economy and global competition. In today's society, whoever can to master information will have the initiative in social competition. Therefore, strengthening the information quality education of adult students has important practical significance for cultivating the lifelong learning ability of adult students and improving the social adaptability of adult students. Information literacy education is an important way to cultivate innovative talents. Therefore, in adult information literacy education, we must focus on cultivating individual keen information awareness,

innovative thinking ability, rich information knowledge, and better retrieval skills, so that it can become an informative Quality people can realize lifelong learning with it.

3. The Advantages of University Library's Development of Adult Information Literacy Education

The task of higher education is to cultivate talents with innovative spirit and ability. The foundation of innovative education is information literacy education, and adult education is an educational way that the society provides all members with lifelong learning opportunities. As an important part of higher education, adult education must keep up with the requirements of educational informatization. First, we should pay attention to the cultivation of students' information quality ability. One of the important functions of university library is the educational function, so we should give full play to its educational function and carry out information quality education. The advantages of the university library in cultivating adult students' information quality can be summarized in the following aspects: First, University Library has created a favorable information environment for the cultivation of adult students' information ability. There are "real collection" and "virtual collection", including rich network information resources such as printed literature, digital literature and characteristic database. These resources are full of attraction to adult students and imperceptibly cultivate their awareness and desire to obtain information. Second, the modern computer network environment and perfect service facilities owned by the library provide opportunities for adult students to use and practice, and provide technical guarantee for cultivating their information quality. Third, the staff of university library is a quality education team with professional knowledge of information retrieval, computer knowledge, foreign language ability and related knowledge. It can provide professional guidance for adult students' information retrieval, acquisition and utilization, and help them master the methods of acquiring knowledge and information. Therefore, the library should give full play to its educational function, implement quality education for adult students and improve their information quality.

4. Effective Ways to Carry out Information Literacy Education in Adult Education

4.1 Optimize the network environment and build a three-in-one collection system

University libraries should increase investment in network facilities so that the information service function of the Internet can be fully realized in the library network service. In selecting network equipment and system software, fully consider the needs of networked information transmission to establish a comprehensive and diversified information resource system.

In the current network environment, the collective resources of university libraries are mainly physical resources (mainly paper document resources), various academic databases (mainly including Chinese and foreign full-text journals, conferences, dissertations, e-books.), virtual resources on the Internet, etc. According to the development needs of various disciplines, the library adjusts the collection structure promptly manner, and at the same time takes into account the needs of adult education for document resources, and builds a three-in-one collection system of physical resources, academic databases, and virtual network resources to meet the needs of readers at any time and any place. Both can easily use the collection resources.

4.2 Improve library website functions, establish subject navigation, and realize resource sharing

Adult education is a form of education that is different from ordinary education. It is a form of education based on self-study and supplemented by face-to-face instruction. Online literature resources, such as the vast ocean, come in various forms, such as e-books, e-journals, online publications, online databases, various audio and image multimedia courseware, practical software, etc. They are rich in content, but they are updated quickly. The library should collect these things

promptly manner, classify them according to disciplines and majors, establish information discipline navigation on the library website, and make better use of information resources through discipline navigation.

Each university library has its characteristic collections and key collection directions, and each library should give full play to its advantages and establish an information navigation platform. On this basis, each library should establish inter-library relations by the principles of resource sharing, complementary advantages, and mutual benefit, so that readers can enjoy several times the literature resources of their library. At present, our library realizes interlibrary loan and original text delivery through CALIS and CASHL. As Table1 shows, CALIS's service system includes four national centers, seven regional centers and northeast defense literature and information center [2]. The resource and service system of CASHL consists of two national centers, five regional centers and ten discipline centers [3].

Table.1 CALIS and CASHL centers [4]

CALIS	National Document Information Service Center	Arts and Science Center: Peking University Engineering Center: Tsinghua University Medical Center: Peking University Agriculture and Forestry Center: China Agricultural University
	Regional Documentation Information Service Center	Southeast China: Shanghai Jiaotong University Northeast China: Nanjing University Central China: Wuhan University South China: Sun Yat-sen University Northwest: Xi'an Jiaotong University Southwest China: Sichuan University Northeast China: Jilin University
	Northeast China National Defense Document Information Center	Harbin Institute of Technology
CASHL	National Center	Peking University, Fudan University
	Area center	Wuhan University, Jilin University, Nanjing University, Sun Yat-sen University, Sichuan University
	Subject Center	Beijing Normal University, Northeast Normal University, East China Normal University, Lanzhou University, Nankai University, Shandong University, Tsinghua University, Xiamen University, Zhejiang University, Renmin University of China

4.3 Open information retrieval courses to cultivate the information literacy and information acquisition ability of adult students

By the characteristics of adult education, formulate teaching plans for information literacy education, offer courses related to information literacy, and establish a reasonable model of information literacy education.

The "Information Retrieval" course offered by the library is a very practical and practical course. Therefore, an information retrieval course is added to the adult education and teaching of our school. In terms of teaching arrangement, according to the characteristics of adult students, formulate teaching syllabus and arrange teaching content reasonably; in terms of teaching content, adapt to the development speed of network resources. The information introduction part mainly teaches related basic concepts such as information, information retrieval language, retrieval methods and Ways and other content; the database utilization part mainly revolves around the latest network academic database introduced by the library of our school, the full text of academic journals, the full text of academic dissertations, the full text of scientific and technological conference papers, patents, standards and other information resources to obtain access and retrieval techniques; on the Internet The information retrieval part mainly focuses on the method of retrieving academic information from major Chinese and foreign search engines. In terms of teaching methods and means, it is necessary to break the traditional teacher-centered indoctrination teaching methods, and realize a new active teaching method that combines teacher guidance and student independent learning. It is necessary to practice on the computer and be familiar with and master the acquisition methods of various information resources. This not only improves the self-study ability and independent operation ability of adult students, but also helps to cultivate the independent thinking and judgment ability of adult

students. So that adult students no longer passively accept knowledge, but become masters of learning. Teachers play a leading role in the learning process of students, encourage the individualization of adult students' learning, and make the teaching of retrieval courses become students under the guidance of teachers. The exploration process of self-analyzing and solving problems has cultivated students' thinking ability, scientific research ability and innovative ability.

Through learning, adult students can not only understand and master specific database usage methods, but also grasp the ways to fully obtain subject information under the network environment from a macro perspective, thereby effectively guaranteeing all kinds of information requests.

4.4 Innovative service model, various forms and channels to carry out information literacy education

The improvement of adult students' information quality requires multi-level, multi-channel, and comprehensive training and cultivation. The first is to provide guidance to adult students on one or some common issues in the form of special lectures, such as how to write a review document, how to conduct a topic-opening search, how to write a scientific paper, and how to conduct a novelty search before patent application. , How to search for various online literature information, how to use various databases, how to search for a certain topic of literature information, how to choose scientific research methods, etc. The second is to establish a user consultation database based on the subject specialty through the network subject navigation system established by the library website. In the form of bibliography, bibliography, abstracts or topic reviews, timely provide navigation services of online literature information resources for adult students of various majors, and establish an online consultation and interactive platform between the library and adult students, such as QQ, readers Messages, E-Mail and other forms to answer various consultation questions of adult students in a timely manner.

Only by following the law of adult education and teaching, changing the traditional service thinking, innovating service models, and improving service methods, can the library make a difference in cultivating the information quality of teachers. Allow adult students to enjoy the "One Card Pass Service" of the library. The so-called "one-pass service" in the library means that after entering the library with a book card, readers can freely enter the library, reading room, and self-study area to borrow books, periodicals, browse newspapers, study by themselves, and enjoy multimedia in the multimedia reading room. Courseware, consultation, query, online search database, download all kinds of documents, pictures, copy and print required materials, etc. Here, adult students can share the library's rich literature resources, a good learning environment and academic atmosphere, just like full-time students in school.

The purpose of implementing information literacy education for adult students in college libraries is to improve the information awareness of adult students and cultivate their information retrieval, evaluation and utilization capabilities. It is not only necessary to teach adult students the methods and skills to obtain information, and to obtain the required information quickly, but also to use teaching methods to improve adult students' information awareness, enhance information sensitivity, and be able to accurately express their information needs. The value and function of the system have a deeper understanding. Make college libraries truly become the base of information quality education for adult students.

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