

Investigation on Autonomous Learning Using Network Resources of Logistics Students

——Taking Qingdao Huanghai Universities As an Example

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Abstract : 21st century is the age of network, also is the era of big data. It puts forward higher requirements on logistics, so the use of network resources for autonomous learning has become a logistics professional students in one of the main form. This paper analyzes on the advantages of the use of network resources learning, then through the way of questionnaire survey, understand the current situation of the use of network resources learning logistics and finally puts forward a set of feasible solutions.

In the 21 century the global has enter into the information age, The development of information technology in various fields, such as economy, education, culture, produced a revolutionary, The logistics teaching method in Colleges and universities has a revolutionary change. Traditional teaching methods can not meet the requirements of modern logistics teaching. Civilian-run Colleges and Universities Logistics has extensive multimedia assisted teaching. Teaching methods to students' and teachers' guidance, interaction between teachers and students, text, sound, video, multimedia assisted teaching model. Students use the Internet to self-study logistics tide of history, modern logistics for students self-learning offers the possibility and necessity[1].

Autonomic learning

Dingfang Shu (2004) thought that the content of the study includes three aspects: The first, attitude; Learners voluntarily take a positive attitude towards their own learning. Be responsible for their own learning and actively participate in learning activities; the second ,ability; Learners should develop this learning ability and learning strategy. In order to complete their own learning tasks independently; the third ,environment; Learners should use a lot of opportunity to exercise the ability of autonomous learning[2].

The logistics professional students' autonomous learning based on the network platform

Information superiority. The Internet all over the world, can browse the large library, academic literature database, hundreds of millions of PC terminal and local area network (LAN), provide vast amounts of information. These not only have the information such as text, image,and there are more and more information such as sound, animation, video, rushes onto the Interne. Information can be transmitted to the Internet 24 hours a day. Information update speed, timeliness strong. Logistics major is a comprehensive, practical, strong professional, huge amounts of Internet information, various forms, strong timeliness, and the characteristics of resource sharing for the logistics professional learning to bring a lot of fresh and diverse information, while the characteristics of easy to logistics professional knowledge learning communication has brought great convenience[3].

Participatory. Logistics professional students to participate in the whole learning , that is, from the initial determination of learning objectives to the final evaluation of the results of learning process. Students according to their actual conditions, determine their own logistics, learning objectives,

learning content, learning methods, learning process, learning time and place, truly from the needs of personal and social logistics to participate in learning. At the beginning, we can carry out autonomous learning under the guidance of the logistics professional teachers. With the improvement of students' ability, can try to let the students full autonomy learning.

Openness. Study of autonomous logistics under the network environment, broke the traditional "TTT" teaching mode, overcome the limitations of time and space, Network resource sharing, information quantity, facilitate the creation of various logistics situation. Teachers and students can play controllers respectively according to need, organizers, participants and helper, evaluators, such as different logistics role, learning to project.

Collaborative. Autonomous Learning logistics is not an isolated study, but through the high-tech means with teachers, classmates, network mutual exchange and discussion. To achieve human-computer interaction, teacher-student interaction, student-student interaction. Interactive collaborative learning to form beyond time and space constraints, to complete construction of the meaning of logistics knowledge[4].

Investigation and Analysis on the present situation of the students using the network resources for the Logistics Majors

In order to further understand the Yellow Sea Institute of Qingdao the situation of autonomous learning of college students in the use of network courses, a questionnaire has been conducted, give priority to with freshman and sophomore, junior school student group. The total of 84 questionnaires were distributed, 84 valid questionnaires, 0 valid questionnaires, investigation method for random sampling of logistics professional classroom, and the students in the classroom random survey. The proportion of men and women in the survey was essentially flat, boys accounted for 49%, 51% of girls.

Time and course range for learner autonomy. In the 21st century is the world of the big data, rapid development of cloud Logistics. From the survey data, both freshman and sophomore junior students, Master for logistics network technology are more fully, most students surf the Internet for more than six hours a day, shows that most students have plenty of time to surf the Internet, network has become an indispensable tool for college students everyday. With the desire for the logistics professional knowledge more into the university, the proportion of using online learning logistics course will increase rapidly[5].

The way and time to access the network course. Research that, students learn through various means of logistics network courses, the main way is through the search engine at random landing, rather than a fixed landing site of several network curriculum, randomness is bigger, explain the network resources are fully, and search engines more content. To a certain extent, to meet the needs of students.

In the number of visits and time, students visit the number of times per week in the 1~5, the number is not much. Most of the logistics professional students about in more than six hours a week online, through the network course platform to study the proportion of 1~2 hours, as high as 42%, 38% less than an hour, that means most of the students is playing games on the Internet, through the network channel for independent learning, logistics knowledge learning accounts for a short time. In such a developed day of network resources, students should change the way of thinking and learning styles, increase the using of network time to self improvement[6].

The purpose of students access to the network. As can be seen from the survey data, for network resources of profound content, 23% of college students collect read online news, Concerned about current politics, the national event is worthy of recognition and praise. There are 20% students in logistics professional learning, also have 27% students through the network to increase their mutual affection. However, there are still 30% of the students waste time on the games, this kind of practice is not encouraging, but appropriate to play, cultivate sentiment is allowed, should not indulge in online games.

20% of logistics professional students in learning, 77% of the students through the network of professional knowledge, broaden their logistics, carry out supplementary learning, the other students are browsing, to see the related content.

Participate in the learning activities in the network platform. 35% of the students will download logistics class course ware and video records, 23% of the students practice through the network of logistics professional after class, 17% of the students are in online learning. Visual network in the logistics professional students after the study of the supplementary and preview plays an important role.

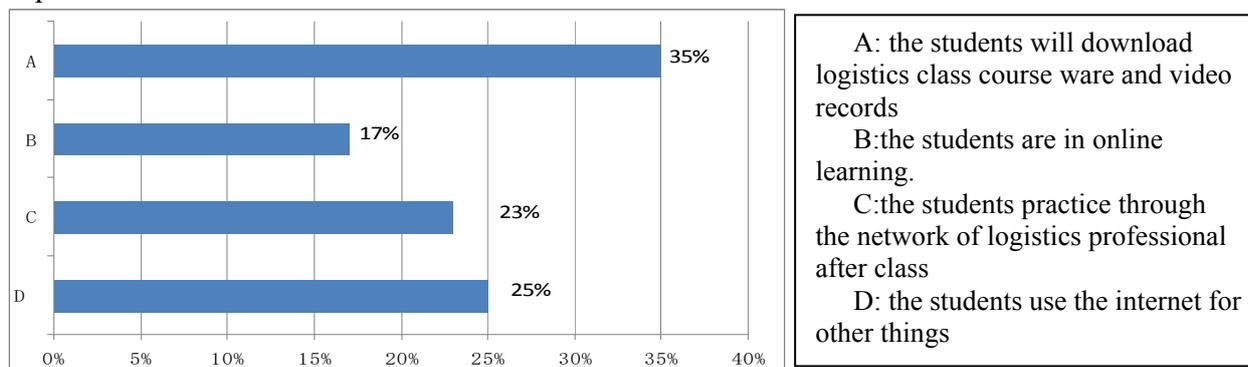


Figure 1: Participate in the learning activities in the network platform

Reasons for using the Internet to learn. Logistics professional students in network learning, mainly their own needs, rather than the teachers of the traditional rigid requirements. The autonomy of network learning and the college students' desire for knowledge; at the same time, it also reflects the lack of teachers' guidance and requirements for the use of the network to carry out autonomous learning!

Network Learning Performance. Network resources are rich, but its resources are too scattered, not concentrated, the autonomy of students. The numbers suggest that, 51% of the students to take the effect of network learning, will be through the music or watching the news or other entertainment software at the same time to learn the network, can not reach the desired results; only have 36% of the students feel satisfied.

During the period of school, these are the reasons that restrict the students' independent learning through the network platform. From the picture, we can see that 38% of the students believe that the disadvantage is not rich in software and hardware resources, the network quality course is not understood, 10% of the students think that the effect of network learning is not good, 35% of people lack the help of teachers and students, 11% of people study the way of not accustomed to. From the results of the survey can be seen, students in learning network is the need the help of the teacher's guidance and classmates.

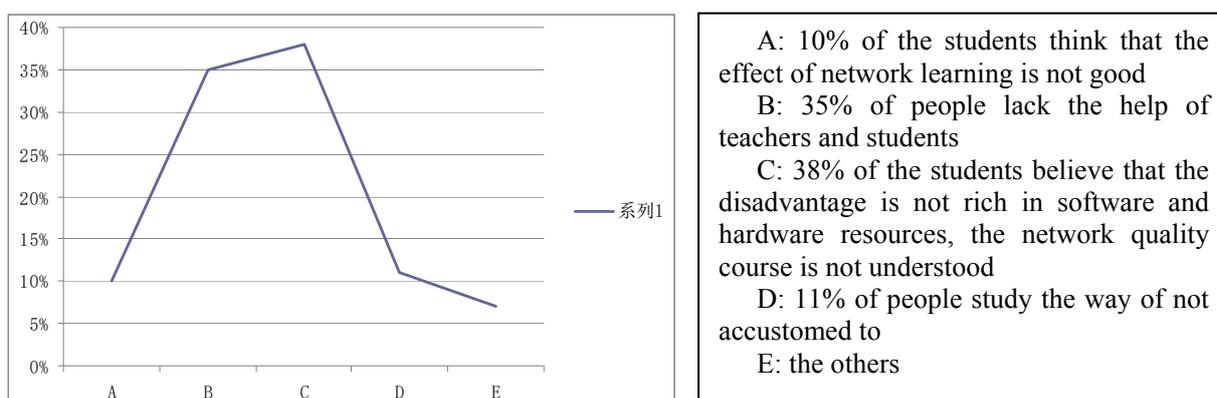


Figure 2: the reasons that restrict the students' independent learning through the network platform

Network forecast. Network development is the mainstream of development in the 21st century, more than half of the logistics professional students think network teaching will become the development trend of future education, through the network platform for autonomous learning is unstoppable.

Some Suggestions about using network autonomous learning logistics

The resources of the network resources as a new auxiliary needed for college students' autonomous learning has become a trend, using network autonomous learning is beneficial to the development of the college students' divergent thinking, the development of innovation ability and comprehensive ability enhancement. Through this survey, we targeted put forward the following solutions:

Teachers' guidance. First make sure that students use the Internet platform, in the network operating skills, information retrieval courses at the same time, let the students to be able to retrieve their needs of knowledge; Second, teachers can according to the different situation of each student, to give more specific guidance, such as direct students to make plan for the use of network autonomous learning, to give guidance on learning methods and so on. Again, the school should set up special lectures, or have a special teacher is responsible, organizational learning resources reasonably, to strengthen students understanding of the logistics network learning resources, and effective use of these resources. Many students have no attaches great importance to the use of logistics network learning, one reason is that they don't know what will be the resources they need.

In addition, guide students to correctly treat and make full use of network resources. To strengthen students' network moral education and guidance, to enhance the students' ability of self-discipline. Of moral education in university should put into the content of moral education, to cultivate students' self-discipline, self education, self management awareness and capacity as a student one of the important goals of ideological and political work and fostering students' ability to distinguish between right and wrong and the choice of online information ability, ability to identify and analyze the ability to grasp in the important position.

All in all, the guidance of teachers, including increased participation in online learning, teachers' role requires teachers from the target, the choice of path to reduce the confusion, how to obtain the corresponding learning resources, the choice of search engine, cultivate and stimulate learners' autonomous learning motivation, etc, to provide help, and equipped with site teachers, provide adequate online real-time communication and asynchronous interaction, make the learners to implement good self-monitoring, gradually adapt to the network learning. Eventually autonomous learning habit to guide students through the network to increase the access time, better use of resources.

Carefully designed network learning resources. Learning resources in the design of logistics, can choose according to the rule of psychology to design the interface, content of the presentation, from easy to difficult way of gradual choreography logistics course, to appropriately increase the content of some scalability, attaches great importance to the study of migration, active students thinking[7].

Teachers should evaluate students' Network Autonomous Learning. In the network environment, the university logistics teaching activities, teachers should give full play to guide, the role of the management, scientific, objective and comprehensive evaluation of the students, in order to further stimulate the students to explore and study the initiative. Teachers should pay more attention to the development and change of students in the course of study and logistics, which should pay more attention to the development and change of the logistics process. From the information ability, learning ability, cooperation ability, knowledge construction, and so on, it is emphasized that the process evaluation should pay attention to students' learning process, and use appropriate, timely and appropriate evaluation to guide, regulate and promote students' effective autonomous learning. Also let the students learn to self evaluation and reflection, to cultivate self evaluation.

Strengthen and improve the construction of network management and monitoring system. School network management departments should strengthen the management of the network. On the

one hand, through the technology, administrative and legal means, to establish the advanced information detection mechanism, "filter" the network information, to prevent the invasion of information garbage and criminal activities; on the other hand, the students have the bad influence, to study and formulate the relevant rules and regulations, the online behavior of college students to conduct a comprehensive and effective management and monitoring [8].

Summary.

University logistics computer network platform for autonomous learning teaching and learning of college logistics plays a crucial role on the cultivation of students' autonomous learning ability, improve students' logistics application ability, so that they become talents, this is the university logistics teaching goal. It is feasible and necessary to develop students' autonomous learning ability in the teaching mode of computer network. However, we must also recognize that the new model of autonomous logistics learning ability of the training or emerging things, it can not be plain sailing, will face many difficulties and problems, but we believe that this will be the future of university logistics and the mainstream of learning, should be our long-term study of the subject.

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