Research on Individualized Teaching in New Building Colleges

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Abstract: With the rapid development of the network, more and more class-teaching is changing toward network teaching. The low intelligence and singularity of network teaching has prominent contradictions to personality development of students. The paper research theoretical model of individual network teaching and function of new model, which can be adapted to network teaching and provide basic ideas for network teaching of new building colleges.

Keywords: Individual network teaching; Network model

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1. Introduction

At present, the new building colleges is lack of teachers and teaching resources. Many schools begin to introduce network teaching according to the nature of the course, such as college students vocational education, military education, etc. The intelligent teaching has greatly solved the shortage of teachers. But the network teaching is a simple form to different students with personalities which shows a monotonous form of learning. In order to make the network teaching suitable for the development of most students, the paper introduces the concept and function of personalized network teaching, which puts forward the realization mode of personalized network teaching, and introduces the theoretical model of personalized network teaching object that uses simple C language to complete the construction.

2. The Meaning of Personalized Network Teaching

The personalized network teaching is the main network resource in class, supplemented by teachers' guidance which leads to the development of students. The original classroom teaching method is opposite to this personalized network teaching which is teacher –oriened , student learning supplemented contributes to the decline of student's learning initiative and initiative decline. The students' lack of active self-thinking is caused by teacher's knowledge. The network teaching is based on the students, whereas teacher guidance serves as a supplement, with the help of network teaching resources, students can develop their own personality with the network resources to fill the gaps, and actively expand the knowledge to achieve the ideal learning state.

3. The Construction of Personalized Theoretical Model of Network Teaching

The personalized network teaching mode is the process which gives the corresponding teaching strategies, teaching content teaching mode according to the students' teaching progress and knowledge points grasped. Students can get different individual developments through personalized network teaching, mainly in the following models:

3.1 Online Course Teaching Mode

This model refers to the full network of teaching resources and students are free to carry out online learning. It can be divided into instructive teaching and completely independent teaching. The former is that the teacher can understand the students' learning status and learning progress at any time through the background of the network teaching, and release operations or teaching information and related discussion areas which promotes students to teach and learn with interaction at any time in the network teaching platform. You can at any time give feedback to teachers, If teaching resources do not meet the individual development of students, thus teachers' adjustment of network teaching resources timely accord to these relevant information. So the network learning can quickly improve learning efficiency. The completely independent study means that students can freely study anytime and anywhere as long as the network is fine.

The personalized network teaching should follow the individual developments of students, the site of reasonable and purposive changes steadily improve students' satisfaction. The information students want is shown by a faster and more effective way according to the student visiting mode to modify the link between the pages.

3.2 Online Examination Mode

In order to assess the student's learning situation, the personalized network teaching mode set up online examination mode, used to assess the students to learn the knowledge of the situation. The mode can extract papers on the network and modify homework automatically, and has the function of the question bank management in the meantime. Also, the mode can evaluate the teacher's teaching effect, and according to the student's test situation, it bestows an urgent need upon students to consolidate the knowledge points to achieve personalized teaching.

For each student, the personalized network teaching mode of examination provides the different question bank, each course has its own fixed question bank. The teacher can also modify and edit the question bank. The system will abstract randomly on the network based on student number. There are two ways to generate questions including randomly generate patterns and teacher sample questions. The Students will be able to automatically score their marks when they submit their papers, and will give students grades, and students will be able to view their test scores at any time.

3.3 Online Q & A Mode

The students in the process of personalized network teaching will have questions, because the whole process of teaching teachers is not directly involved. The network management system is asked to answer students in time to solve difficult problems, to eliminate the teaching obstacles. Therefore, the personalized network Q & A system is an indispensable part of the whole system and it has an indispensable role in helping students identify the problem and get the answers they need.

3.4 Online Operation Mode

After the students have finished their own courses, the system will automatically publish and arrange the job. Online assignments is a shortcut which enables students and teachers to deliver job information and provide instructional guidance. Teachers can also arrange the Internet homework, and assignments to students, then students submit homework, meanwhile, network operating system can be timely feedback, so as to better encourage students to learn. At the same time, based on the students, teachers can layout homework purpose of study. The teachers can grasp the students of the network learning situation according to the students to complete the work of the situation at any time and give students feedback in terms of evaluation.

3.5 Curriculum Resources Download Mode

When the students want to self-learning without the network, you can download through the network curriculum resource download mode. The network teaching system can package the curriculum, teaching resources and make compression, which includes teaching run calendar, lesson plans, courseware, teaching ppt and some other documents. Students can download and store these network teaching resources in their computers, anytime, anywhere from online learning.

4. Personalized Network Teaching Model

4.1 Definition of Teaching Model

Our school has developed a network teaching model according to the individuality development of undergraduates. The so-called teaching model refers to the development of students 'personality as a reference, concisely summarizes the characteristics of students' personality development, elaborates the teaching process of teachers and students, records the students 'personalized learning sites, and further understands the students' individualized learning rules. The feedback module will be based on the individual development of students, and continue to give feedback and the teaching model will continue to improve feedback to satisfy the student's personalized learning. The teaching model prepare basic information for the

development of teaching strategies and the selection of teaching resources.

4.2 The Use of Personalized Network Teaching Model

The individualized network teaching network model is a subset of the individual characteristics of the teacher, and the individual characteristics of the learners in the model must match the characteristics of the new undergraduate colleges. The personalized network teaching model includes the characteristics of the students' personalization, teaching resources and teaching facilities, which should be taken into account in the new undergraduate colleges. The more the thinking elements are, the more the network teaching model can be designed to meet the individual development of students, the more advanced and the higher the artificial intelligence will be. The design of the model includes the teaching attitude of the school teachers, the attitudes of teaching, the fullness of the knowledge points, the enthusiasm of the students, the interaction between teachers and students.

The application of the network teaching model should be combined with the current advanced teaching ideas and teaching methods, instead of abandoning the traditional teaching theory and teaching methods. The model design should combine the characteristics of the course and the individual characteristics of the students to simulate the classroom teaching of the teachers, track the students' individualized learning rules and adjust the teaching process and teaching strategies at any time. According to the students' learning bias to develop a student in line with the development of personalized teaching methods and teaching methods.

4.3 The Type of Network Teaching Model

The network teaching model is divided into the following categories.

4.3.1 Coverage Model

The model is a theory model which only reflects the state of teachers and students' learning. Through the platform website click-through rate reflects the student's learning status, does not include the teacher's teaching gesture and teaching style.

4.3.2 Deviation Model

Through the students of the individual development of the design by the questionnaire, the initial design of the network teaching model explores in-depth interviews and other means. When the model is designed to be used in teaching, the individualized learning of the student is represented by the network model. But there is a large deviation between most of the preliminary design model and

the students of the individual learning. Through the follow-up feedback module, it makes corrections to correct until meeting the personalized features of the majority of students.

4.3.3 Cognitive Model

The first two models are based on the purely theoretical model of teachers teaching and students learning. The cognitive model focuses on the teacher's guiding style and teaching experience in the network system model.

5. Concluding Remarks

Based on the actual situation of our school network teaching, it puts forward the personalized network teaching platform taking in 12 universities of Changqing University City as the research object, combining with the individualized developments of students and the using of teachers' resources in the paper. Now most universities are using online courses to assist in the completion of classroom teaching, but are lack of technical development support. It uses the basic idea of personalized teaching in the paper, and uses the relevant hardware to build the platform. It can share resources in around universities, slow down the problem of insufficient teaching resources, and improve the allocation of teaching resources as a whole.

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