

Study on the Training Mode of Applied Innovative Talents based on OBE Concept—Taking Civil Engineering Specialty as an Example

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Abstract: In order to realize the goal of training civil engineering talents with the OBE concept, the construction goal of the curriculum system of civil engineering based on the OBE concept is analyzed, the development path of the training mode of civil engineering talents under the OBE concept is put forward. We should guide the students with the new educational idea, use the flexible teaching mode, set up the training goal of civil engineering talents, and perfect the professional evaluation mechanism.

Keywords: Civil Engineering Specialty; OBE concept; curriculum system; personnel training; application innovation

1. The curriculum system of civil engineering specialty based on OBE is the construction target

The application of the OBE educational concept solves the main problems in the traditional teaching, improves the students'learning enthusiasm, guarantees the learning effect, and promotes the comprehensive development of the students majoring in civil engineering. The analysis of university computer, professional talent training system, innovative application of innovative undergraduate professional talent training system, can mobilize the enthusiasm of teachers and students to participate, highlight, students'independent innovation ability, provide important support for students'lifelong development. We can use the model of the reverse teaching system, change the current teaching plan, scientifically draw up the reasonable teaching design content, and strengthen the essence of teaching in colleges and universities with the OBE education concept, to provide students with effective learning guidance. OBE's idea of innovation, is to introduce a new, reverse teaching ideas, for learning to provide a new guidance. The application of the OBE concept has made great changes in the training mode of civil engineering talents, solved the practical difficulties that have puzzled the development of classroom teaching for a long time, and formed a brand-new mode with students'independent study as the main mode, this kind of reverse teaching system, the use of the department, can scientifically plan the related teaching content, promote the university computation, the computer specialized teaching comprehensive development, solves the outstanding question which in the teaching exists.

2. The development path of the training mode of civil engineering talents under the concept of OBE

2.1 Leading with a new educational philosophy

The teaching of civil engineering major under the OBE concept uses the brand-new teaching and learning method, which arouses the students'innovation enthusiasm, the new evaluation mechanism also improves the students'achievement. Traditional teaching methods pay too much attention to grades and marks, ignoring the assessment of comprehensive results. The teaching mode pays too much attention to theoretical teaching and assessment, which results in less assessment of practical skills, students mastering theories and having too much technical knowledge, while civil engi-

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neering majors in innovative undergraduate colleges are mainly, is to train the students to the computer comprehensive system application ability, realizes to each, the mobile terminal data technology development research. The idea of OBE is to introduce educational thoughts into the process of cultivating talents in the field of computer, so as to establish a mode of cultivating talents in line with the idea of OBE. Should form a kind of, correct"student, teacher main body relations, such ability creates good, two-way education pattern. To create a classroom environment with innovative knowledge points as the main point, so that students can master the correct learning evaluation model. In order to get rid of the influence of backward evaluation and methods on students, a more comprehensive and systematic evaluation program should be used to strengthen the investigation of students' comprehensive quality. We should speed up the teaching innovation, use the OBE idea to carry on, the appraisal, realizes the anticipated teaching effect.

2.2 Use a flexible teaching model

The application of OBE concept in civil engineering specialty can let teachers use flexible teaching mode, which can provide a new learning method for students, and make the teaching system design of civil engineering specialty courses more in line with teaching, requirements to improve the academic performance of college students. At the same time, we should cultivate the computer application ability of college students, combine the practical content with the theoretical knowledge, perfect the teaching content, and integrate the relevant theoretical knowledge with the flexible teaching mode. To organize professional skills exhibition activities to promote students' all-round development and constantly improve students' ability to apply knowledge. To strengthen students on the computer professional, professional knowledge of understanding and innovation, to obtain broad thinking ability. May benefit, uses the student's specialized specialty, displays the internet technology superiority, on-line and on-line, under synchronous teaching. We can use the advantages of network technology to achieve the desired teaching goals, teachers assign learning tasks, students, free choice of time to complete learning, tasks, so as to achieve the task of flexible teaching. Teachers should also actively make use of the correct learning mode, especially the group learning mode, so that each group can choose the appropriate teaching tasks according to the actual situation, and carry out teaching in stages, layers and levels, focus on explaining not easy to understand the knowledge points, improve the overall performance of students. Can combine the advantages of online teaching mode, let students take the initiative to participate in self-study, stimulate students'self-study initiative, enthusiasm. Using mobile network technology, students can reflect all the problems, the use of advanced audio-visual technology to solve the problem do not understand, to achieve a breakthrough in independent learning.

2.3 Setting up the training target of civil engineering professionals

The goal of cultivating undergraduate computer talents is to cultivate innovative talents with strong practical ability, and to provide impetus for the development of the industry. These, the talented person should have the super international vision, has the rich theory foundation and, the strong sense of social responsibility, has the solid mathematics knowledge and the high-tech application, uses the ability. The connotation of the concept is to attach importance to the comprehensive consideration of the actual learning situation, to formulate a scientific learning program, not blindly pursue speed and quality, should be carried out in earnest learning activities to meet the needs of computer teaching. In order to cultivate high-quality talents, special teaching plans should be made, for example, we can consider designing some inquiry-type activities to let students analyze and study problems independently, seek answers, and experience the process of acquiring knowledge, in this way, the awareness and method of self-regulated learning are formed to provide guidance for the development of students. Some universities do not pay enough attention to the major of civil engineering, neglect to create a good learning environment, and can not cultivate students'independent learning spirit. Colleges and universities should attach importance to the use of new network, network teaching equipment and brandnew teaching methods, attach importance to the cultivation of students' autonomous learning and learning ability, and actively guide students to study civil engineering specialty and courses in their spare time, log on to the learning website for self-directed learning. We should also attach importance to the teaching of extra-curricular knowledge. Teachers should combine the knowledge in the textbook with the extension, find out the key contents, combine the common difficult problems in study, explain, and add more contents in time, remove old knowledge points, to ensure that the learning

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effect of students, so as to ensure that the training of personnel with sufficient knowledge reserves and professional capacity.

2.4 Improve the professional evaluation mechanism

The use of OBE education concept can reform the teaching system of civil engineering specialty, improve students'learning enthusiasm, and make students participate in teaching and learning activities. A scientific evaluation mechanism should be established to evaluate students objectively and fairly. To change the traditional teaching evaluation mechanism, we should not only rely on a single paper to measure the students'learning status, but also establish a flexible and changeable teaching evaluation mechanism, listing every learning content of civil engineering specialty, in order to check the base number, the final combination of all the results of statistics, the establishment of the teaching structure to meet the evaluation mechanism. Focus on the students from the daily classroom, performance and academic results for a comprehensive assessment, to establish a realistic evaluation, structural design, and promote student learning, so as to achieve the learning goals, it can stimulate students'independent thinking consciousness in an all round way. Must combine closely, the actual teaching goal, creates each kind of hypothesis boldly. Can encourage students to set a goal before each semester, through their own efforts, the final exam, to achieve the goal, to give corresponding encouragement and marks, so that students can inspire, study the morale, improve your academic performance.

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