

Research on Teaching Reform of “Land Resources Science” under OBE Concept

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Abstract: With the rapid development of my country’s economy, the society’s demand for talents has changed from traditional research-oriented talents to innovative and practical talents. Therefore, the teaching methods of colleges and universities need to be adjusted accordingly. Based on the OBE educational philosophy, this paper conducts a research on the teaching reform measures of the course “Land Resources” in colleges and universities, aiming to better improve the teaching quality of land resources, enhance students’ interest in learning, and cultivate more innovative talents.

Keywords: OBE; Land Resources Science; Curriculum Teaching Reform; Strategic Research

OBE education is the abbreviation of Outcomes-based Education in English, literally translated as an education model based on learning output, also called outcome-oriented education. It first appeared in the basic education reforms in the United States and Australia. With the development of higher education in my country, this kind of education The new model can play a very important role in the reform of college courses. “Land Resources” is an important course for the major of land resources management. The main teaching content includes the composition, formation, evolution, and distribution of land resources. Because the content is relatively boring and the data-based abstract content is too much, it is not attractive to students, which greatly affects the teaching effectiveness of the course. In response to the above problems, guided by the OBE teaching philosophy, through a series of effective teaching reform methods, students’ interest in learning can be enhanced, students’ practical application ability of theoretical knowledge can be cultivated, and students’ comprehensive quality can be comprehensively improved.

1. Change the traditional teaching concept and attach importance to cultivating students’ comprehensive ability

In the traditional teaching process of “Land Resources Science”, teachers will put more emphasis on the explanation of students’ basic knowledge. The overall curriculum basically revolves around the teacher, and does not highlight the subjectivity of students in the classroom. The growth caused a certain degree of hindrance. In the OBE education model, what students learn and whether they succeed is far more important than how to learn and when to learn. Therefore, the school should guide and educate teachers on the teaching theory, according to the recommendations of relevant experts, combined with the goals of the professional course teaching, perfect the course teaching system, pay attention to cultivating students’ practical skills, and allow students to accumulate operational experience in practical activities. Develop students’ thinking mode and cultivate students’ ability to solve problems independently.

2. Improve professional teaching system and integrate teaching content

Judging from previous teaching experience, due to the complexity of the content of “Land Resources Science”, the strong theoretical knowledge, and the closer connection with practice, it has caused considerable difficulties for students to understand and master. Therefore, based on the OBE teaching philosophy, teachers should improve the teaching system of their profession, clarify the main content of knowledge, and advance all knowledge hierarchically, so as to lead students to complete professional learning and improve their comprehensive ability.

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First, take the “Land Resource Utilization Process” as the main line of teaching, and refine and integrate the content of the entire textbook to form a teaching system that combines main line content and module teaching, so that students can clearly understand the entire learning process and deepen their understanding of land resources. The knowledge and understanding of the courses facilitates the in-depth study of later students. Secondly, implement a grouped and hierarchical personalized teaching mode in teaching. According to the differences of students’ own abilities and interests, students are scientifically grouped, and practical learning projects are set up in a targeted manner. Students in the group are promoted through joint discussions. The practical ability to strengthen students’ enthusiasm for learning. Finally, multi-disciplinary cross-learning is carried out in teaching to enhance students’ innovative ability. The subject content involved in “Land Resources Science” is very rich. In order to better explain the content, teachers should flexibly introduce other subject content to stimulate students’ desire to explore unknown issues and broaden their cognitive horizons. Improve students’ innovative ability in subtle ways.

3. Pay attention to cultivating students’ autonomous learning ability

First of all, in actual teaching, teachers should establish a student-centered thinking. It is necessary to guide students to actively participate in the entire teaching process. From pre-class preview, collection and arrangement of practical materials, classroom content discussion, after-class analysis and summary, etc., students should be involved. In this way, students should learn from traditional teaching. From passive learning to active learning, students are trained to discover, analyze, and solve problems. Secondly, more practical cases are cited to stimulate students’ enthusiasm for learning. The theoretical knowledge in “Land Resources Science” is relatively abstract. In order to better improve the teaching effect, teachers should pay attention to the application of the case study mode. Through various interesting practical cases, students can more intuitively understand the core of the course explanation and enhance Students’ interest in learning will improve their understanding of the major courses. Finally, it is necessary to strengthen the students’ practical ability in order to enhance their innovative ability. Knowledge and practice in this professional curriculum are closely linked. In order to better improve students’ adaptability to future work and learning, teachers should train students in practical activities from a professional perspective, and allow students to independently complete the settings through project teaching methods The teaching project to enhance students’ practical ability and innovation ability.

4. Improve the teaching evaluation system and improve the teaching effect of OBE mode

Effective teaching evaluation is the best test for course practice and learning. Therefore, based on the OBE teaching concept, it is very necessary to construct a complete teaching evaluation system in the course of “Land Resources”. First of all, traditional knowledge-based teaching tests are still very necessary. After all, teaching innovation and ability improvement can only be achieved on the basis of solid theoretical knowledge. If the basic knowledge is not solid, all teaching concepts and results are “aircraft platforms”. Secondly, pay attention to the teaching evaluation within the student group. After students complete the course project, they can conduct discussion and evaluation within the group, analyze the problems encountered during the completion process and the final project results, so as to deepen the students’ understanding and knowledge understanding. Finally, attach importance to students’ daily learning and performance, the main purpose is to guide students to correct their daily learning attitudes, develop good learning habits, and then build a good learning atmosphere in the class and school, and improve student learning efficiency.

5. Conclusion

Combining the relevant requirements of the new curriculum reform, applying the OBE teaching concept to the teaching of “Land Resources Science” can effectively improve the teaching effectiveness of the major courses. Teachers should update their own teaching concepts, reform teaching methods, adhere to student-centered, and strengthen students The interest in learning is guided by teaching results, paying attention to the diversification of the learning process, and improving the entire teaching evaluation system, so as to cultivate more talents with professional qualities.

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