

Discussion on teaching methods of electrical engineering and Automation Specialty in the information age

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Abstract: with the development of science and technology in China, information means are widely used in various fields of society, and have played an important value and role. Nowadays, it has become an inaccessible part of people's daily life and production. This has also brought good enlightenment to higher education. In this context, how to use information technology in the teaching of electrical engineering and Automation Specialty in Colleges and universities, reform professional teaching methods, improve the quality of professional teaching, and build smart classroom has become one of the urgent problems for college teachers. In view of this, this paper analyzes the teaching methods of electrical engineering and Automation Specialty under the background of information age, hoping to provide some valuable references for teachers and friends.

Key words: information age; Electrical engineering and automation; teaching method

Introduction

Nowadays, information technology has been developing rapidly and has been widely used in various fields of society, playing an important role. In the field of education, education informatization has become the current trend of reform. It has important practical significance to improve teaching effect and strengthen teaching quality. In this regard, it is necessary for professional teachers to face up to the significance and value of information means, actively optimize and upgrade the traditional professional teaching mode and methods, and create a new situation of electrical engineering and automation professional teaching by using new ideas and methods, so as to comprehensively promote the development of college students and lay the foundation for their future achievements.

1 The value of teaching reform of electrical engineering and Automation Specialty in education informatization Universities

1. Stimulate interest in learning

As the saying goes, interest is the students' inexhaustible motivation and mentor. Only when they have a strong interest can they devote all their energy to professional learning, so as to obtain greater learning benefits. This also applies to college students. However, in the past professional teaching in Colleges and universities, professional teachers often adopted backward teaching methods and modes to teach, which not only led to the boring and boring classroom teaching atmosphere, which seriously affected the improvement of teaching quality, but also made individual students have resistance or rebellious psychology, which had an adverse impact on the subsequent professional teaching. In this regard, it is necessary for professional teachers in Colleges and universities to actively create a new situation in the teaching of electrical engineering and Automation Specialty Based on the characteristics of the discipline and the law of students' growth, and follow the law of the development of the times, so as to promote students to develop good learning habits, maintain their long-term vitality in professional learning, and lay a solid foundation for their all-round development.

2. Cultivate comprehensive ability

In the information age, simply relying on and adhering to the traditional teaching methods and teaching ideas seriously affects the comprehensive development of students. Especially in the new era, the definition of electrical engineering and automation professionals in society and related enterprises is gradually changing, and the professionals trained by the traditional professional teaching mode can not meet the needs of enterprise development. In this context, the construction of new teaching mode is very important. Integrating information means into professional teaching, on the one hand, teachers can increase the interest of professional classroom teaching and improve the teaching effect according to information means. On the other hand, we can also use the advantages of information means to optimize all aspects of professional teaching, further promote the improvement of students' professional quality, expand students' professional learning path, so as to provide scientific and technological assistance for the development of students' comprehensive ability while ensuring the effectiveness of teaching.

3. Meet the needs of education reform

With the advancement of higher education reform, higher requirements and standards are also put forward for higher professional education. In the information age, the teaching of electrical engineering and Automation Specialty in Colleges and universities is optimized and upgraded, which not only meets the requirements of the education department for the reform of higher education, but also improves the quality of professional education in Colleges and universities, provides a solid foundation for the sustainable development of professional education in colleges and universities, and realizes the innovation road of the modernization reform of higher education, It has important influence and significance on higher education.

4. Expand professional teaching channels

The combination of information means and professional teaching in Colleges and universities makes the implementation methods

of electrical engineering and automation professional teaching more diverse, which can not only enable students to carry out professional learning without being limited by time and space, and obtain the maximum professional learning income, but also effectively broaden their professional vision and strengthen their professional cognition. College students can understand the latest development and technology in the field of electrical engineering and automation through network channels, which plays an important role in promoting their professional quality and their core competence.

2 Problems in the teaching of electrical engineering and Automation Specialty in Colleges and Universities

1. The teaching method is old and the teaching effect is not satisfactory

The teaching mode and teaching concept of many teachers of electrical engineering and Automation Specialty in Colleges and universities are still relatively old. Influenced by the traditional teaching mode and teaching concept, they still adopt the old and backward teaching mode for teaching, thus forming the situation that teachers tell above and students mechanically memorize below, which can not form an efficientThe positive classroom learning atmosphere seriously hinders the development of College Students' personality. This will not only not improve the quality of professional teaching, but also seriously affect their sense of classroom experience, reduce their learning interest and motivation, and make the professional learning effect unsatisfactory.

2. Teachers are weak and there is no systematic teacher training system

With the reform of higher education in full swing in China, the teaching scale of electrical engineering and Automation Specialty in Higher Education in China has been comprehensively improved, and the enrollment area has been greatly expanded. With the influx of a large number of college students, the number of professional teachers is particularly stretched. As a result, colleges and universities turn professional teaching into "big classroom" teaching, and a large number of students study professional courses together. The increase in the number of students seriously affects the improvement of professional teaching effect. At the same time, some colleges and universities have not constructed and improved the professional teacher training system, resulting in the professional quality and teaching level of professional teachers can not be effectively improved and enhanced, It seriously affects the improvement of professional teaching effect.

3. The evaluation system is old and unable to improve the effectiveness of teaching

Nowadays, under the background of the information age, the evaluation system of electrical engineering and Automation Specialty in Colleges and universities is still not perfect. Some colleges and universities still use the old evaluation system. The content of the evaluation only stays on the evaluation of basic concepts and skills operation. The main way of evaluation is test paper examination. This evaluation mode has some disadvantages, and the scope of evaluation is too small, Ignoring the cultivation of students' innovative thinking and flexible application ability, it is unable to improve the effectiveness of professional teaching. In order to cope with the final exam, most students can only do a lot of mechanical memory, which can not help them apply their professional knowledge to practical problems, and can not achieve the purpose of improving students' professional quality and innovation ability.

3 Optimization path of teaching methods for electrical engineering and Automation Specialty in the information age

1. Keeping pace with the times and optimizing teaching philosophy

Under the background of the information age, the traditional mode and speed of information dissemination have been subverted. Nowadays, the mode, channel, path and speed of information dissemination have all changed significantly. These changes provide certain opportunities and Enlightenment for the optimization and upgrading of higher education teachers. In the traditional teaching process of electrical engineering and Automation Specialty in Colleges and universities, professional teachers often lead the classroom teaching, and students can only passively accept the infusion of professional knowledge, which has a serious impact on the development of their personality and the improvement of their professional quality. This will not only seriously affect the effect of professional teaching, lead to boring and boring classroom teaching atmosphere, reduce students' interest in learning, but also affect the development of their personality, seriously affect the development of their innovation ability and professional thinking. Therefore, it is necessary for professional teachers in Colleges and universities to infiltrate information means into professional teaching based on the law of the development of the times, the law of students' growth and the characteristics of disciplines, change their teaching concepts in time, adhere to the teaching philosophy of promoting students' all-round development and student-centered, pay attention to the development and utilization of their subjective initiative and enthusiasm, and enrich professional teaching content, Stimulate their interest and enthusiasm for professional learning, actively build a new situation in the teaching of electrical engineering and automation, and comprehensively promote the development and progress of college students.

2. Innovative mode to stimulate learning interest

With the advent of the information age, it has brought opportunities for the development of higher education. The traditional professional teaching mode has been unable to meet the requirements of society and related enterprises for professional talents in the new era. Therefore, it is necessary to optimize and upgrade the teaching mode and method of higher education specialty. By infiltrating information means into the teaching of electrical engineering and automation specialty, according to the teaching content and subject characteristics, we should create a new teaching mode that conforms to the development of the times and improves the teaching efficiency, so as to better improve the professional teaching effect, Lay a solid foundation for the improvement of College Students' professional

quality. For example, among teachers majoring in electrical engineering and automation in Colleges and universities, teachers can combine relevant professional knowledge and teaching content with multimedia equipment, and use such innovative teaching mode to stimulate their interest in learning and arouse their enthusiasm for learning. Teachers show the relevant videos, pictures and voice to the students through multimedia equipment, and create a visual and auditory event for them through audio-visual integration, which can greatly improve their learning efficiency and promote the construction of efficient classroom.

With the development of the times, colleges and universities can also use information means to integrate professional teaching content and information means, actively build “cloud classroom” and carry out “online” cloud teaching, so as to improve the teaching effect and cultivate their professional quality and innovation ability. For example, in the teaching process, teachers can combine information means with the teaching of electrical engineering and automation specialty, create a “cloud classroom” mode for teaching, and combine teachers and students by using WeChat, Tencent conference, webcast platform, etc. Actively use the existing online teaching platforms and teaching resources such as smart tree and learning link, break the shackles of traditional teaching mode and the restrictions of teaching places, and realize learning at any time and anywhere. As long as they are connected with the Internet, they can normally accept the teaching of professional courses.

Professional teachers can also rely on the new product of the integration of information means and education: Micro class to carry out high-quality mixed teaching. Before professional teaching, teachers use the advantages of network resources to collect a large number of data and materials on the network, make them into micro lessons, and share them with students through network channels, requiring them to preview. After they preview, they feed back the preview information through network channels, and then, Teachers should upgrade and optimize the teaching content and teaching plan according to their feedback information. In class, professional teachers present teaching courseware to students to improve professional teaching effect. After class, students can also use the advantages of micro class to carry out repeated learning for many times and consolidate professional knowledge. Through the use of such innovative teaching mode, it not only meets the needs of the development of the times, but also meets the strict requirements of modern education for professional education in Colleges and universities, which can be said to achieve more with one stone.

3. Optimize the content and improve the effectiveness of professional teaching

In the information age, science and technology have been greatly developed. In the professional field, a variety of new technologies and concepts emerge in endlessly and change with each passing day, which brings unprecedented challenges and pressures to the teaching of electrical engineering and automation in Colleges and universities. This requires colleges and universities and professional teachers to optimize and upgrade the teaching content in time, delete the relevant old and abandoned teaching content, and add the current popular and commonly used teaching content, so as to meet the needs of students' development and promote them to gain a firm foothold in their current jobs. For example, in the teaching process of colleges and universities, teachers can actively communicate and exchange with relevant enterprises, understand the actual situation of enterprise jobs, and optimize the teaching content according to the actual needs of enterprises; Teachers can also actively invite experts and tutors to the school for discussion on the upgrading of teaching content and the optimization of the deletion of professional content. In this way, they can help college students strengthen their professional quality and provide powerful help for their all-round development.

epilogue

In short, in the information age, it is necessary for colleges and universities and professional teachers to face up to the significance and value of information means, actively use new ideas and methods to create a new situation in the teaching of electrical engineering and automation in Colleges and universities, comprehensively promote the development of College Students' professional quality and innovation ability, and lay a solid foundation for their future achievements.

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Analysis on the effectiveness of international economic and trade talents training in Colleges and Universities under the new business

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Abstract: with the advent of the digital economy era, China has also started to carry out reform and innovation in the business field to cope with the development of the times and promote the progress of China's economy. Therefore, under the background of the new business, cultivating talents of the new era has become the key to college teaching. Among them, the cultivation of international economic and trade talents is the most important. Therefore, the advent of the digital economy era has made international ties closer and trade more frequent, so China urgently needs more international economic and trade talents with a global vision and comprehensive cultural quality to lead the development of China's foreign trade. Therefore, the international economic and trade teachers in Colleges and universities need to formulate reasonable talent training strategies according to the background of the new business era, so as to meet the development of China's trade economy in the new era.

Key words: new business; International Economic and trade talents in Colleges and universities; Personnel training; Digital economy era

Preface

At present, most colleges and universities in China still have some problems in the process of cultivating international economic and trade talents. Students' professional quality grows slowly and does not meet the market demand, which not only affects the development of China's foreign trade economy, but also has a negative impact on the future career development of these students. The existing problems include that many teachers fail to combine the market demand trend in time when carrying out professional teaching, which leads to the students' inability to effectively apply the knowledge they have learned in practice, thus affecting the students' professional development. In addition, some teachers majoring in international trade and economics ignore the cooperation with relevant enterprises when carrying out professional teaching, which reduces the students' practice opportunities, thus affecting the students' comprehensive development and is not conducive to the students' future career growth. Finally, most colleges and universities in China lack double qualified teachers. Most of the teachers majoring in international economy and trade have rich theoretical knowledge, but they lack relevant practical experience and can not bring good practical teaching to students. Therefore, the existence of many problems has seriously restricted the cultivation of international economic and trade talents in China's new business. Teachers of international economy and trade major in Colleges and universities in China should formulate strategies according to the problems, and truly cultivate talents of international economy and trade major that meet the market demand, so as to promote China's economic development.

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