

Introduction to "the analog electronic technology" teaching reform

Haiyan Wang

Changchun University of science and technology, Changchun 130000, China

13742883@qq.com

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Abstract: in the reform of analog electronic technology reflects the development of science and technology, the high efficiency of imparting knowledge, cultivating students' practical and innovative ability is the main purpose of the curriculum reform. In this paper, combined with the adjustment of the curriculum content, the reform of the teaching contents, practice content of the reform, the improvement of the appraisal system, the construction of teaching staff aspects of analog electronic technology is briefly analyzed the basic thoughts of teaching reform.

Analog electronic technology is a very important electronic professional foundation courses and learning it can make matting for subsequent courses, so it's in the electronic professional teaching system has a high status. But by previous analog electronic technology course of teaching practice, can be found that the traditional theory teaching and practice teaching its teaching effect is not very ideal. In order to improve the quality of teaching of analog electronic technology course and the teaching effect, based on the principle of cultivating applied talents to the nation, so the reform of the analog electronic technology.

1. the adjustment of the course content

Analog electronic technology course with theory, concept and circuit analysis method is more and more difficult to understand. And teacher often because of the lesson plans, will be cut and compression to the original course, plus independent college student foundation is relatively weak, so the students generally feel to the analog electronic technology to learn this course particularly hard, directly influenced the improvement of teaching quality.

First of all, the teaching content should be emphasize practicability, can take the practicality as the first sign of knowledge points, teaching content to choose engineering can be used more as a key teaching practice. Second, moderation is teaching content need to emphasize that the so-called suitability, is aimed at a specific teaching content, requirement principle can't be too cumbersome, cannot too much content, and the difficulty to moderate. Theory of secondary vocational school students is not good at learning, however, their ability is not bad, therefore, important concept and basic method to analyze the problem must be clear, the rest of the knowledge can improve by practice. Finally, the characteristic is an indispensable part of teaching content reform. With the continuous development of social science and technology and professional in the field of construction, the professional characteristics according to the reform and innovation with the purpose of teaching content, according to the students' ability to accept and specialty arrangement and teaching content, to achieve the best teaching effect.

2. Adjust the teaching method

In order to improve the teaching quality and cultivate creative talents, it is necessary to transform the previous teaching mode, with teachers as the main way to take the student as the main body.

In the process of teaching, not only to impart knowledge is the responsibility of the teacher, also bear the guidance and training students play to the subjective initiative and creativity is also the teacher's task, inspire students to think and analyze problems from several aspects, stimulate

students' imagination, so that the students in autonomous learning attitude and innovative spirit to explore unknown areas of knowledge.

The specific method is as follows:

(1)The knowledge from rational knowledge to the perceptual knowledge, so as to stimulate students' interest in learning, circuit has been widely used in daily life, in the classroom, can combine the electronic circuit of daily life and teaching, experiment teaching methods, increase students' interest in learning. The characteristics of the diode is unidirectional conductivity, for example, when it comes to this characteristic, the teacher can use a simple experiment to illustrate, diode is used to drive a light bulb, change the connection polarity power supply, the light bulb when light when go out, very straightforward.

(2)The use of multimedia courseware, abstract problem can express clearly very intuitive, amplifying circuit internal how current flows, for example, can undertake demonstration with the aid of multimedia courseware, image and vivid, the students' interest in learning was inspired to improve their knowledge of inquiry ability and innovation ability.

(3)adopts the open experiment teaching in the teaching method, causes the student to have ample time and opportunity to complete their own design, verify their idea, gradually train the students' ability to use knowledge to engineering practice.

3. Practice content adjustment

Therefore, we the reform of the experiment content, get the verification experiment, design experiments increases, the need for brain experiment content can be divided into basic experiment, expanded experiment and innovative experiment, etc, so as to improve students ability to integrate theory with practice and innovation design ability. Basic experiment mainly training students mastery of basic knowledge, basic components such as identification, the use of the multimeter and circuit of the basic operations such as welding. Expand the experiment main training students' professional skills, on the basis of the basic operation of circuit design, installation and debugging. Innovation experiment used to cultivate the students' innovation ability, the teacher can put forward the basic requirements, let the students to design, component selection experiments, experimental equipment, from design to the components purchase, from installation to the circuit debugging, from the choice of experimental apparatus for the use of experimental apparatus, are arranged by students themselves, to fully arouse the enthusiasm of the students and to explore the sex, train the students' innovation spirit and practical ability. In the process, fully embodies the teachers as the main body to take the student as the main body in the direction of the transformation. The students became the protagonist of the practice.

4. The construction of teaching staff

A team of excellent teachers, it is necessary for teaching reform, and strengthen quality education and innovation education. So, the school should create conditions to let teacher accept continuing education and business training, update knowledge, improve teachers Quality, improve the teachers' personality. Can use the way such as enterprise credentials the field exercise, on a regular basis to the production of the first line learning advanced practical technologies, accumulate teaching need professional skills, professional and technical and practical experience; Through an open project and other activities, improve teachers' scientific research ability, gradually build up a adapt to the combination of theory and practice of higher vocational college education of new teachers.

5. The improvement of the appraisal system

Examination is an important part in the process of teaching, and to detect teachers teach and students accept knowledge effect of a kind of effective means. Analog electronic technology course exam must pay attention to the theory with practice, because, analog electronic technology has been widely applied in daily life, so practice test link can't be ignored, to diversify examination mode, is

the first task of assessing system reform. The so-called diversified examination is to combine the written test and practice both, in order to test students' mastery of knowledge, and innovation ability and practice ability. Students' mastery of knowledge can be written to a visit; The students' innovation ability and practice ability through practice to examine. Write down both the results of the appraisal result, according to the actual situation of the school, each inspection proportion, calculate the total grade recorded in the transcript. Anyhow, diversification is the purpose of the exam in order to better detect students' mastery of knowledge and ability to apply the knowledge innovation, give students a comprehensive and objective evaluation, in order to achieve the purpose of quality education.

6. Conclusion

In the rapid development of information age, we should also keep pace with The Times of teaching synchronous development, in the process, new problems and new challenges will come, again and again as a line workers must be fully prepared to meet greater challenges.

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