

Analysis of the First Class's Importance in Course Teaching

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Abstract—The first class of the new term is known as "the opening class", which is the starting point of each course learning activities. The first class has great influence to adjust the students' learning state, stimulate study interest, promote the effect of the course study, etc. So how to teach it for the first time, build good teaching atmosphere, which is the problem that should be thought and researched to the front line of teaching teachers. For myself, in higher vocational curriculum as an example of the hydraulic and pneumatic transmission, around the course orientation and goal, position requirements, curriculum content, resources and the method of literature, learning and assessment methods, etc. In order to attract students attention, improve teaching quality and achieve the teaching goal of the course.

Keywords— *The first class, Course teaching, Learning interest, Importance*

I. WHY TO PAY ATTENTION TO THE FIRST CLASS

The first class is point to each course at the beginning of each semester of the first lesson. For the study of course in the university, especially the learning of the professional class, which should pay more attention to the teaching in the first class. On one hand, for the students, the first class helps to develop engineering students' engineering thinking, enhance the student to grasp the whole course, and the students' learning enthusiasm, and even helps to improve students' professional identity. On the other hand, for teachers, in the first class, which is relationship to the student to teacher's recognition, the students' emphasis on classroom teaching, even related to the students about the recognition of the school. The following combination for specialized courses taught in the hydraulic and pneumatic transmission, analyses the principles of the teaching, main content and meaning of the first class.

II. THE FIRST CLASS OF TEACHING PRINCIPLES

(1) The teacher should understand the course in the position and function of professional personnel training plan. The course of the hydraulic and pneumatic transmission is one of the engineering professional course. From the perspective of the industry, in the electrical and mechanical industry, to realize the automation of production process and control technology as the goal, and ultimately to the intelligent development. The main control modes are electricity, liquid, gas, organic light and so on. the theoretical basis of those control modes is the application of corresponding professional knowledge about the mechanical, electrical, hydraulic, pneumatic, optical, etc. The hydraulic and pneumatic are the main contents of this course which could be introduced. So why the students have to study this course[1].

(2) The establishment of the loose knowledge between organic architecture. Encouraging students to establish system of knowledge framework, improving the knowledge system.

(3) The inspiration of critical thinking. Cultivating students' ability of independent thinking, innovation consciousness and innovation spirit.

(4) The course assessment methods should be explained to the students, which is helpful for students to understand the emphasis and difficulty in learning and achieve the target. The time should be arranged fully for students to study .Classroom rules is the core content[2].

(5) As breed people is fundamental, moral first. The institute of technology should regarded to set up mora education as the basic task, to train socialist builder and successor qualified. In the process of teaching, the new thoughts, new ideas, new ideas of the country should be introduced to make every college students set up the correct values, outlook on life, world outlook. As the new youth in a new era, the youth should have youthful passion, chasing dreams.

III. THE MAIN CONTENT OF THE FIRST CLASS TEACHING

How to teach the first class and group class, its' core is that how to reasonably arrange the course content to make the students willing to learn, easy to learn, to learn well.[3]

(1) Introduce yourself. Including name, date of birth, education background, research field, research projects, contact way, office and so on. Through this link, the students can more comprehensive understand the teacher, which could facilitate students to communicate with the teacher after class about learning and life.

(2) the property, positioning, teaching materials of the course should be elaborated the relationship of professional study and career. Hope that through this link, let the students understand the importance of the course and its influence on the future work, fully mobilize students' learning enthusiasm[4].

(3) Main chapters content and inner link of the course should be combed. To solve the problems about teaching, how to teach, who taught[5]. According to the goal of talent cultivation, position requirements and objectives of the hydraulic and pneumatic transmission, as well as the specialized course requirements, giving priority to with hydraulic to ensure the key points and supplement by experimental training to complete the course teaching of hydraulic and pneumatic transmission. The teaching contents are divided into components, circuit module, system module. The module as a chapter, typical components and circuits as a section, the teaching carry out project teaching.

(4) Each section of the teaching goal should be clear. The students should master the difficult of learning in knowledge, ability and quality aspects. In hydraulic and pneumatic teaching demonstration, the teaching software and physical disassembling methods should be used to strengthen the students' intuitive understanding of hydraulic components and circuits and strengthening practice and combine with engineering case to learn while doing.

(5) Introduce the class hour, teaching progress about the course. Let the students understand the course weeks of beginning and ending, arrange study time reasonably.

(6) Indicate the former courses, introduce the subsequent courses that links with the course. Hydraulic and pneumatic transmission course is a compulsory course for electrical and mechanical engineering, which involves the former courses are professional basic course commonly, such as mechanical drawing, mechanical design basis, engineering mechanics, electrical and electronic engineering, PLC, etc. And its involved in subsequent courses with mechanical equipment fault diagnosis and maintenance, fault diagnosis and maintenance of nc machine and graduation design, etc.

IV. THE TEACHING SIGNIFICANCE OF THE FIRST CLASS

A. Helps to develop engineering thinking

The engineering thinking is the important part in the engineering consciousness, which is one of the most important, the most basic of quality for the engineer. The engineering thinking is the methodology to solve the problem. Therefore, the engineering thinking is one of the training objectives of teaching in colleges and universities. Always in line with the guidance in the professional course teaching, guiding the students to gradually perfect the engineering way of thinking. And this process is usually a subtle. The students in learning foundation class, who have become accustomed to the teacher give conditions, the students' mode is to solve problem; Starting from the professional course, the students must think through their own to solve the problem of openness. However, they often feel confused about what to do. So in the first class, guiding the student to complete the transformation of thinking, to understand the thinking mode of the engineering at least, which is the foundation of cultivating engineering thinking, engineering consciousness.

B. Helps to grasp the whole course

The first class generally introduce the main content of this course, knowledge structure, the relationship with the courses, the teaching purpose of this course, important, difficult, etc. After understanding these contents, the students can have a overall impression of the course, learn up the course that will not lost. I will be in the first class, telling students directory about the course, striving to establish a knowledge network at first, later the learning of the course is to fill contents in the knowledge network, and for each phase, the simple review to consolidate and strengthen the knowledge structure. The first class will introduce method of study for the students, to help the students to understand the course. The different course have different emphasis and method about studying, so the corret method can make the students' learning process get twice the result with half the effort.

C. Helps to enhance learning enthusiasm and professional identity

The first class also introduces the application domain of knowledge in this course, and let the students to be sure that the knowledges in professional class are useful. Whether to finding a job after graduation or continue their education after graduation for further study, the knowledge of this course is very important. I will explain by some engineering examples, to guiding the students to review the previous knowledges. When the students find that the previous knowledge is not enough to solve the problem, leading the students to realize the course. Which could enhance everyone's enthusiasm for studying. In addition, the first class should introduce the present situation of the associated with this professional, enhance the students' professional identity. Specialty itself is not of men and women, not only do well or do not well, efforts to learn professional knowledge, where the gold will shine[6]. Generally in the first part of the textbook has discipline development history, this part because of the limited class hours, often by the students self-study. But, I think in the first class to relating the development story of discipline is necessary. The fascinating history of development, not only can attract students' interests, also can show the teacher's understanding of this course, set up the recognition between the students and the teacher, improve the students' professional identity. As the saying goes, "when the students admire pleasantly surprised to teachers, that make clear the studengts love death to the course." This is the student to learn the subject, even study the basis of the profession.

V. CONCLUSION

In conclusion, a good beginning is the basis of good learning for professional course. This requires the teachers that should prepare a lesson earnestly, organization of teaching content, so speaking well the first class is a challenge for the teachers.

Education is a sacred and difficult mission, as an education workers, we will use the compassion and wisdom to education teaching is not only to the survival of our work, should be our unremitting pursuit of the life more [7]. Combining with the practice and experience of the author, in view of the teachers in the process of the first class's teaching should follow in this article, the author describes the principle and main content which should be intended to provide reference, to improve the teaching level together. If there is wrong in this article, please comment and tell me to correct.

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