Research on the Integration of Curriculum Ideological and Political Elements into the Teaching of "Principles of Communication "

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Abstract

The principle of communication course is a professional core course for telecommunications majors, It plays a very important role in the training of telecommunications majors, the reform of communication principles is also very important, the integration of ideological and political elements of the curriculum is the top priority of curriculum reform. Introduction to the course, study of Sentiment Analysis, realize the integration point of ideological and political education in the curriculum, through the introduction of ideological and political elements in the curriculum, enable students to acquire knowledge while,provide a better platform for ideological and political education.

Keywords

Ideological and Political Elements; Assimilate Into; Teamwork.

1. Introduction

Curriculum ideological and political education is one of the key researches and attempts in the current curriculum teaching reform in colleges and universities,it is also a new type of teaching reform measure that colleges and universities are paying special attention to.The "Communication Principles" course is a very important professional basic course for engineering telecommunications majors.Therefore, it is a very important attempt to integrate "course ideological and political" education into teaching reform,it is also necessary to constantly explore suitable methods and methods.Two very important aspects in "course ideology",one is a teacher, one is a student,teachers are the main body of ideological and political education,is the first person in charge of classroom teaching.Students are the objects of implementation,all educational activities,the final target is the students,the fundamental purpose is to cultivate high-quality students,the effectiveness of curriculum ideological and political construction lies in students,therefore, the reform of "course ideology and politics" is very important.How effective is the curriculum reform?Everything depends on how much students get[1].

2. Course Introduction and Learning Situation Analysis

Research is required before teaching the nature of the course, teaching tasks, teaching objectives, teaching conditions, and formulating practical teaching content,integrate ideological and political elements into the curriculum according to different curriculum content,to enable students to be able to study the course,ideological and political education is carried out at the same time.Everything is centered on student development.When formulating teaching content, pay attention to the academic research of the course. The communication principle course will conduct preclass, mid-class and end-of-semester study surveys.The ideological and political elements of the course are integrated through course research at different times.In-depth

understanding of student needs,in order to better design the course content,help students master the teaching content.

Nature of the course: This course is a professional and compulsory course for telecommunications majors. It is also a professional main course that studies and analyzes information transmission principles and transmission performance in digital communication systems. This course has an important place in the electronics industry, especially in modern communications.

Teaching tasks: By learning this course,Require students to master the composition of communication systems,main performance indicators,signal and channel,analog modulation system, analog signal digital transmission,digital baseband transmission system,digital Bandpass Transmission System, error control coding and other teaching content.

Teaching objectives: To enable students to systematically master the basic theory and analysis methods of communication principles,develop systems thinking,it lays the foundation for the study of subsequent courses and for engaging in technical design, transformation and innovation related to communication[2].

Teaching conditions: The course needs to be taught in a classroom or laboratory with an experimental environment for the principles of communication,it is recommended to be able to explain and demonstrate easily,multimedia classrooms or laboratories that teach and practice,an online learning platform that can provide corresponding electronic resources.

Academic research:The Communication Principles course sets up academic surveys at different time periods,to facilitate understanding of students' learning situation, students grasp the situation in teaching,adjust the teaching content of the course in a timely manner,timely integration into ideological and political education.

3. Ideological and Political Elements are Integrated into the Teaching Content of the Course

Lectures always first study the entry point of ideological and political content,find typical cases,and show it to students in different ways,so as to reflect the different ideological and political elements of the curriculum.

When introducing the basic concepts of communication,is a good entry point.Through the video broadcast of the princes of Fenghuo opera, students can deepen their understanding of the importance of communication,It is necessary to abide by social order, observe discipline, and understand industry standards and application occasions.so that students understand that,the importance of communication equipment,understand industry standards and abide by industry discipline,Have a sense of awe for important communication equipment and know how to use communication equipment.

An introduction to the development of communications,the development of communication is a development process from sound, motion communication to electrical communication, from low-end to high-end, taking the mobile communication industry as an example,China has experienced "2G follow, 3G breakthrough",it has achieved the historic leap of "4G synchronization" and "5G leading",the number of 5G standard essential patents ranks first in the world. The law of development of communication conforms to the law of development of materialism; The progress of science and technology promotes the progress of society,the needs of society also promote the progress of science and technology. Students learn to respect the law of development of things through learning,which extends to learning to do things,under certain circumstances,such as social needs, learning environment etc.,to go through step by step,continually seek breakthroughs and progress in order to succeed.

Introduced into the development of communications,changes in communications in China,For example, the application of coaxial cable in antenna,the development of domestic and foreign antenna companies,this makes students realize that China is now in a leading position in many fields.In order to cultivate students' practical spirit, patriotic education and scientific literacy.

It is introduced that there will be different code type transformations in the process of digital baseband transmission.It is introduced that there are different modulation methods in the digital bandpass transmission system.By learning the principles and applications of different code conversion principles, modulation methods, so as to reflect the two sides of things,treat the development of things correctly,when encountering a problem, you should think more and think of ways to solve the problem,continuously improve innovation capabilities,and have dialectical thinking,from the movement change of the inner contradiction of the object,examine from the interconnectedness of its various aspects,In order to understand the object as a whole and in essence.From the point of view of dialectical thinking,to rationally use the advantages of communication technology,avoid the negative effects of technology.The integration of ideological and political elements includes technological innovation, collective ideas and professional ethics.

The principle of communication course needs to cultivate communication talents with craftsmanship, so the craftsmanship needs to be integrated into the course content.The Huawei event and Kirin chips embody the spirit of craftsmanship. The Kirin chip was developed. Although it seems that the Kirin mobile phone chip is still in the mid-range, domestic communication personnel have made hard efforts for this.In the teaching of communication principle content, this knowledge can be integrated to improve the teaching effect.

The digital communication system is the most widely used communication system at present. The reason why it is more popular than the analog communication system is that the digital communication system has many advantages compared with the analog communication system, such as strong anti-interference ability and no noise accumulation.Through the comparison of the two systems in the teaching, students can understand that they must use dialectical thinking to analyze the problem, and grasp the main contradiction in order to better solve the problem.

In the digital baseband transmission system, it is very important to eliminate inter-symbol crosstalk. At the same time, new problems will arise. Therefore, it is necessary to find problems, find methods, solve problems, and continuously improve until the optimal method is found, and ideological and political elements are integrated into It can let students know that when they encounter difficulties, they should not be afraid or panic. As long as they follow the scientific method and analyze it patiently and carefully step by step, they will find a solution[3,4].

The principle of communication course is a course integrating theory and practice, theoretical knowledge can not only stay on the surface of the principle content, to achieve the unity of knowledge and action, there must be practice.Give full play to the role of individuals in the innovation team in group experiments,achieve personal creativity and core strength while improving team cohesion and comprehensive innovation capabilities.For engineering majors, more attention should be paid to the cultivation of their engineering practice ability and labor education,students are required to have engineering ability and labor awareness,for example, students must master the use of frequency sweeper, spectrum analyzer, digital oscilloscope and other instruments and equipment,this will lay the foundation for future engineering practice.During this teaching process,there are many ideological and political elements into the teaching,for example, teamwork, collective concept, professional ethics, sense of responsibility and honor, social ethics education, etc.

The ideological and political content of the course can change with the development of the times, mainly highlighting the role of socialist core values and ideological leadership, and can adopt various forms, and timely supplement and adjust ideological and political cases.

4. Summary

"Course ideological and political" should be effectively integrated into professional courses, so that professional courses become an effective carrier of ideological and political education.Professional courses are not only the imparting of knowledge, but also the position for the dissemination of ideas. To fully study the teaching content of the course,according to the situation of students, establish different levels of curriculum integration points,appropriately integrate the ideological and political content of the curriculum into teaching,In this way, while imparting knowledge to students, it can use the ideological and political elements in classroom teaching to achieve the purpose of educating people.In order to achieve the penetration of ideological and political education for students, this can improve the effect of educating people and realize all-round education.

References

[1] Fengxiao Wang . Research on the cultivation of craftsman spirit in colleges and universities under the ideological and political concept of curriculum [J]. Journal of Higher Education, 2019 (09):22-24.

[2] Yunshan Sun , Liyi Zhang ,Yanxiang Geng, et al. A Brief Talk on All-round and Whole-process Education in the Teaching of "Principles of Communication" [J]. Education and Teaching Forum, 2017 (51):209-211.

[3] Guoqin Zhang . Teaching practice and exploration of electronic technology "course ideology and politics" [J]. Curriculum Education Research, 2018(46): 238-239.

[4] Guojuan Li . Course ideological and political construction must firmly grasp five key links [J]. China Higher Education, 2017 (03):161-163.