Journal of Education and Educational Research
ISSN: 2957-9465 | Vol. 9, No. 3, 2024

Research on Reform and Innovation of Teaching Models of Public Safety Education Programs in Higher Education

Dongping Shi, Chengyu Xie *

College of Environment and Resources, Xiangtan University, Xiangtan 411105, China
*** Corresponding author:** Chengyu Xie

Abstract: This paper combines the characteristics of higher education and the characteristics of the discipline of safety engineering to reform and innovate the teaching mode of public safety education courses. In the form of a teaching team, we jointly discuss and develop a set of innovative teaching mode including teaching plan, lecture form, after-school activities arrangement and other detailed steps, and formulate a detailed implementation plan including teaching experiment design, teaching practice selection, and effect return visit analysis.

Keywords: Public Safety; Education; Reform; Innovation.

1. Introduction

At present, most of the theoretical research on safety education in colleges and universities stays in the theoretical stage, without combining the actual situation of colleges and universities themselves, and the operability is not strong. Campus public safety education is not a simple separate discipline, which involves the scope of different disciplines such as philosophy, pedagogy, psychology, jurisprudence, sociology and so on. Its content mainly includes helping students learn survival knowledge, strengthening the will to survive, mastering survival skills, grasping the laws of survival, and improving the adaptability, development and creativity of survival. Therefore, public safety education in colleges and universities can help college students establish a correct view of security, have a comprehensive understanding of the current security situation, master the basic safety knowledge and safety skills, which is conducive to the growth and success of college students. Safety education in colleges and universities creates an atmosphere of "safety is not a trivial matter" and promotes the creation of safe campuses. Security and stability are related to the overall work of universities, and effective security education is not only conducive to the healthy development of higher education and the construction of safe campuses, but also helps to promote the stability and development of society.

2. Content of the Study

By adopting the literature method, questionnaire survey method, observation method and other methods, this thesis aims to develop a targeted, operable and effective public safety teaching and training model with the goal of innovative teaching practice. In the process of students' active exploration and research problems, they experience and understand the process of scientific exploration, form the consciousness and habit of independent inquiry and innovation, cultivate innovation ability, grow knowledge, accumulate practical experience, change the learning mode of students' passive acceptance of knowledge, construct an open learning environment, provide multi-channel access to knowledge and application of knowledge, and promote the formation of students' positive attitudes and good learning strategies. Actively create a safe and harmonious campus cultural environment, form a good situation of full participation, comprehensive implementation and whole process education, and ensure the effectiveness of public safety education for college students. Highlight the relevance and practicability of public safety education, and provide a basis for improving students' safety awareness and emergency response ability.

Through the research of this project not only effectively play the function of higher education institutions to serve the community, but also play a vital role in comprehensively improving the overall quality of college students, creating a good teaching and educating environment, and ensuring the safety and stability of colleges and universities. Better and targeted to create a safe campus, while strongly ensuring campus harmony and stability.

The main studies are listed below:

(1) Investigate and analyze the current situation of public safety teaching mode and argue the feasibility and inevitability of public safety teaching mode in colleges and universities.

(2) Combined with the characteristics of the discipline of safety engineering and the background characteristics of the surrounding disciplines, we have explored the cross-disciplinary teaching content and teaching methods in line with the multidisciplinary background for the public safety curriculum system, and strengthened the practicability and practicability of the curriculum and the teaching process.

3. Research Process

(1) Survey and analysis of the current teaching situation of the public safety curriculum system

Through the literature search method, questionnaire survey method, interview record method and other forms of investigation and analysis of the teaching status of schools that have opened public safety courses, assess the advantages and disadvantages of the teaching mode, analyze the problems in the process of teaching activities, focus on the investigation of the students' perception, acceptance, mastery

and application of the professional curriculum, and the content and methods of teaching to carry out targeted checking and making up for the deficiencies in a timely manner to find out the Problems in teaching and analyzing their causes.

(2) Design of content for public safety courses

According to the characteristics of public safety courses and teaching characteristics of Xiangtan University, combined with teaching cases and the results of the analysis of the teaching status quo, the teaching content is rationally designed in an organized and planned manner, the existing teaching content of the College of Environment and Resources is optimized and designed and the resources are integrated, the teaching method of theory plus practice is used, the introduction of engineering cases is sublimated, and the abstract, cumbersome, obscure and difficult-to-understand theoretical knowledge is transformed into simple and clear, Concrete and visible tangible things, refining the teaching content and updating the teaching mode.

(3) Implementation of the Public Safety Program Teaching Training Model

On the basis of the design of the teaching curriculum, the teaching program and teaching steps are refined according to the characteristics of the discipline, and a multidisciplinary cross-model is adopted to cultivate students in a targeted manner according to their learning interests. To work out a set of teaching methods (or models) that are highly operable and effective in teaching, so as to enhance students' interest in learning and help guide them to explore their own self-learning ability and creativity. To formulate a detailed teaching experiment plan and implement it to verify the effectiveness of the teaching method (model) and make improvements to it.

(4) Public safety education undergraduate teaching effectiveness return visit

Teaching effect assessment is an effective evaluation and professional judgment of teaching activities, after the implementation of teaching work, using the observation and listening method, questionnaire survey method and other measures to carry out a systematic investigation and comprehensive evaluation of the effectiveness of teaching activities, test the implementation of the teaching model, to demonstrate the advanced nature of the innovative teaching model, to further improve the content of the teaching and updating of teaching concepts, and to open a new chapter of the reform of the teaching mode of specialization. The new chapter of the reform of specialized teaching mode will be opened.

4. Research Results

Public safety education courses for college students not only class effectively play the function of higher education institutions to serve the community, but also to comprehensively improve the overall quality of college students, create a good teaching and educating environment, to ensure the safety and stability of colleges and universities, plays a vital role. Better and targeted to create a safe campus, and at the same time strongly ensure campus harmony and stability.

To build a new type of teaching system with strong relevance, high manipulation and good implementation effect, to guide students to take the initiative to learn, actively explore and pursue innovation, to cultivate students' ability to learn independently and their level of independent thinking and research and innovation, to change the traditional passive way of students' knowledge acceptance, to broaden students' knowledge horizons, and to provide multi-channel access to knowledge and opportunities for knowledge application, so as to realize the professional high-quality talent cultivation goal of "thick foundation, wide caliber, engineering application and compound innovation". Foundation, wide-caliber, engineering application type, complex and innovative" professional high-quality personnel training goals. Through the course learning, students are helped and guided to form efficient and practical learning methods and innovative thinking, set up correct engineering safety thinking and disaster prevention and mitigation concepts, and meet the social demand for the development of high-quality talents.

Acknowledgments

This research was funded by Xiangtan University degree and postgraduate teaching reform research project (Research on individualized teaching model of graduate students based on learner portrait YJGYB202366), Hunan Province ordinary colleges and universities teaching reform research project (Research on individualized teaching mode of safety engineering major driven by educational big data HNJG-2022-0080), Degree and Postgraduate Teaching Reform Research Project of Hunan Province (2023J GYB134).

References

[1] Liu J L, Zhao W H.Current Situation and Educational Response of College Students' Public Safety Education: An Analysis on the Survey of Public Safety Literacy of College Students in 9 Provinces[J].Journal of Fujian Normal University (Philosophy and Social Sciences Edition),2024,(03):154-1672.

[2] Wei X L,Zhang F.Management of College Publish Security Emergencies based on Intelligent Education[J].Journal of Huainan Vocational Technical College,2023,23(03):107-109.

[3] Li D,Cheng Y.Online teaching exploration of safety education for university students during public security events—A case study of X University[J].Journal of Innovation and Entrepreneurship Education,2023,14(02):157-164.

[4] Gan L J.Exploration and Research on the Construction of Experiential Public Safety Education Programmes[J]. technological trend,2022,(13):38-40.

[5] Ma T.Research on Multidimensional Integration of Ideological and Political Education in Colleges and Universities[J].PR World,2022,(03):124-127.

[6] Li Q Y.Research on Problems and Countermeasures of Public Safety Education and Management in Colleges and Universities--Review of Research on Public Safety Education and Management in Colleges and Universities[J].China Safety Science Journal,2021,31(05): 191-192.

[7] Wang G B,Yan T M.Comparison and Inspiration of Safety Education in Chinese and Foreign Universities[J].China Economist, 2021,(05):208-210.

[8] Li J P.Exploring the Dilemmas and Countermeasures of Safety Education and Management in Colleges and Universities in the New Era--A Review of Research on Public Safety Education and Management in Colleges and Universities[J].Journal of Safety Science and Technology,2021,17(01):190-191.

[9] Yuan L. Effective Measures to Enhance Public Safety Education on University Campuses[J]. China Educational Technology & Equipment,2020,(17):140-141.

[10] Sun Q. Exploring the Dilemma and Solution Path of Public Safety Education in Colleges and Universities in the New Era [J]. popular literature, 2020, (08):218-219.