

Practical study of ideological politics in the course of medical image processing

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Keywords: Ideological and political courses, Medical image, Humanistic quality, Professional quality.

Abstract. At present, medical education is generally strict in technology, but there are different kinds of problems in humanistic quality education, and the lack of humanistic and professional quality in students. Therefore, integrating ideological and political courses into the course of "Medical Image Processing" can help students establish correct values and professional views, improve their humanistic and professional qualities, and provide a strong talent guarantee for the future development of medical career. This paper takes the medical image processing undergraduate course as an example.

1 Introduction

In the medical field, TCM image processing technology has shown obvious advantages in the practical application of medical diagnosis, diagnosis and scientific research. With the rapid development of information technology, medical technology is constantly updated and improved. Therefore, it is of great significance to integrate medical image processing technology into medical education to improve the quality of medical education and cultivate high-quality medical talents.

At present, the domestic and foreign practical research on ideological and political courses in the course of "Medical Image Processing" is still in the initial stage. Although some scholars have carried out relevant research, the research content is relatively scattered and lack of systematization and depth.

At the same time, the existing research mainly focuses on the theoretical research of ideological and political courses, with less research on practice. Therefore, this study aims to fill this research gap and provide a useful reference for the practice of curriculum politics in the course of Medical Image Processing.

This paper with medical image processing undergraduate course, for example, combined with the present situation of the development of interdisciplinary field, carry out the ideological construction research, according to the actual college students, try from the curriculum standard, the key difficulty, the main goal, thinking method, case analysis, design practice discusses the aspects of the integration of teaching practice and ideological

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and political education, and realize the ideological education, medicine, mathematics, computer science and technology, personal quality, professional quality, the combination of teaching method, cultivate the undergraduate academic innovation ability, strengthen the academic ethics and code of conduct, to achieve the goal of ideological education khalid ents.

2 Current existing problems

The key to a good ideological and political course lies in the teachers. The current vocational education teachers have the advantages: high educational level, keeping pace with The Times, positive mental state, strong dedication, responsibility and action, and strong ability to accept new things. However, there are still many problems in the teaching business, such as no systematic pedagogy, psychological theoretical basis and learning background; before the students 'thinking and physical and mental development characteristics, unable to develop students' moral cultivation and personality, the teaching task for the teaching of the classroom control of students' discipline and order, the students play mobile phones, eating, loud noise, or ignore the negative attitude, lack of genuine communication and listening between teachers and students. For a long time, teachers' mechanical teaching, chaotic classroom will further aggravate the weariness of vocational school students, teachers will gradually lose the control of the main position of teaching, and the sense of job burnout is increasing. Therefore, improve teachers' teaching ability, so that young teachers develop for the new era of moral education teaching expert is urgent, a long way to go.

3 The overall framework

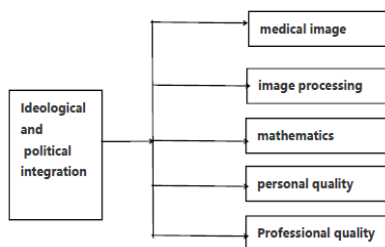


Fig. 1. The overall framework.

4 The basic idea of integrating ideological and political teaching and business ability

4.1 Clear the ideological and political goals of the course

It is necessary to determine the ideological and political goals of the course, through which to integrate ideological and political thoughts into the course, to cultivate students' humanistic quality and professional quality in medical and computer technology.

4.2 Mining the ideological and political elements of the course

In the course of Medical Image Processing, many elements related to ideological and

political education can be excavated. For example, the use of medical image processing technology in medical diagnosis and treatment improves the accuracy of images to help doctors diagnose and conduct treatment behaviors, which reflects the values of technology serving the people; at the same time, medical image processing technology also needs to comply with ethical norms and regulations, which reflects professional ethics and social responsibility.

4.3 Integrate into the classroom teaching link

Integrate the ideological and political elements of the course into the classroom teaching link of the Medical Image Processing course. For example, when explaining medical image processing technology, relevant medical ethics, laws and regulations and humanistic care can be introduced. In practice, students can be guided to pay attention to the ethical and humanistic issues of medical image processing and cultivate their professional ethics and social responsibility.

4.4 Innovate teaching methods and means

Adopt innovative teaching methods to do curriculum ideological and political education. For example, the case teaching method, group discussion method and other teaching methods are adopted to guide students to think deeply about the ethical, legal and humanistic issues of medical image processing technology in practical application; at the same time, multimedia technology and network platform can be used to enrich the teaching content and form and improve students' interest and participation in learning.

4.5 Strengthen practice

Practice is the sole criterion for testing truth. In the course of Medical Image Processing, the ideological and political effects of the course can be strengthened through practical links. For example, students can be organized to participate in medical image processing practice projects, so that they can experience the importance of medical humanistic quality, professional ethics and responsibility in practice; At the same time, medical experts and scholars can be invited to give lectures or exchanges, so as to let students understand the latest developments and cutting-edge technologies in the medical field, and broaden their vision and cognition. Course education in the medical image processing course the basic train of thought is the ideological and political education and professional knowledge education organic integration, through mining course education elements, into the classroom teaching, innovative teaching methods and means and strengthen the practice, cultivate students' medical humanities quality, professional ethics and sense of responsibility, achieve khalid ents education goal

5 Specific research plan

5.1 Planning process

5.1.1 Determine ideological and political elements

According to the characteristics of medical image processing technology, combined with the content of ideological and political education, to determine the ideological and political

elements to be integrated in the course. These elements can include professional ethics, medical ethics, medical humanities, medical social issues and so on

5.1.2 *Revise the syllabus*

On the basis of the original syllabus of the course "Medical Image Processing", ideological and political elements are added to integrate ideological and political education into interdisciplinary education and achieve organic integration. Implementation of classroom explanation: In the classroom teaching of "Medical Image Processing" course, combined with the explanation of specific medical image processing technology, the corresponding ideological and political elements are introduced. For example, when explaining the quality assessment of medical images, questions of medical ethics and professional ethics can be introduced, so that students can understand the responsibilities and obligations of doctors in diagnosis and treatment.

5.1.3 *Discussion of a case*

Representative medical image processing cases were selected and discussed for discussed.

In the process of discussion, guide students to think about medical ethics, medical humanities and other aspects, and cultivate their ability to analyze and solve problems.

5.1.4 *Case for extracurricular expansion*

By organizing academic lectures, seminars, social practices and other forms, students can have an in-depth understanding and thinking about social problems related to medical image processing in extracurricular expansion. For example, students can be organized to visit medical institutions to understand the application and existing problems of medical image processing technology in clinical practice, and to guide students to think about issues such as medical ethics and medical fairness.

5.1.5 *Teaching evaluation*

In the teaching evaluation of Medical Image Processing, in addition to the assessment of professional knowledge, it should also include students' mastery of ideological and political elements. Through the analysis and feedback of the evaluation results, constantly improve and perfect the teaching implementation methods of ideological and political education and education effect of the curriculum.

5.1.6 *Flow chart of ideological and political courses*

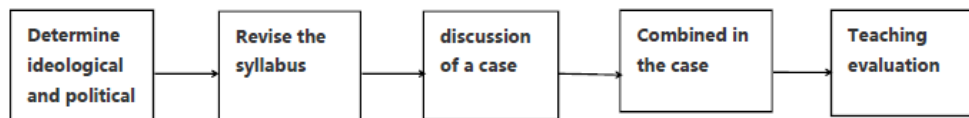


Fig. 2. Flow chart of ideological and political courses.

5.1.7 Ideological and political application process

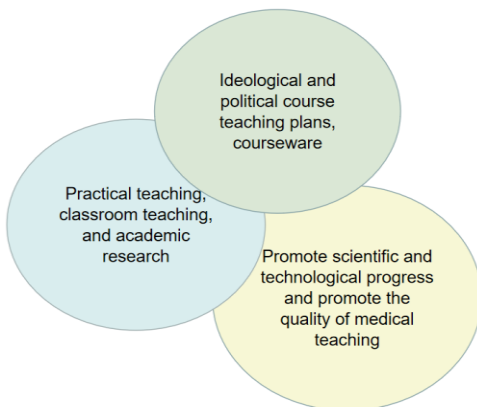


Fig. 3. Ideological and political application process.

6 Conclusion

Teachers of ideological and political classroom should make full use of the combination of online and offline, enrich the content of ideological and political classroom, activate the way of ideological and political classroom teachers, and adopt appropriate teaching strategies, so that students can establish the correct world outlook, outlook on life and values.

Time flies, leaving a lot of not to give up and miss. Just four years of learning career is coming to an end, recall the time before, had to sigh "good time is always so short", four years of college students give me a lot of help and guidance, I also gained a lot of knowledge, these knowledge is not only in learning but also in life, or want to help my humanitarian voice "thank you". First of all, I would like to thank my teacher for their priceless guidance in their study; thank the teacher for their enthusiastic guidance after class; thank the lovely students for their help in life. Thanks to the family, they as always support, education, encouragement, in their meticulous care and love I feel very great courage, but also full of power, thank love and accompany.

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