

Exploration and Practice of Ideological and Political Education Reform in the Course of Veterinary Surgery at Local Universities

Qiang Fu¹, Xinran Li^{1,2}, Qiulin Zhang¹, Yunfei Huang¹, Jiedan Liao¹

¹School of Animal Science and Technology, Foshan University, Foshan 528225, Guangdong, China

²Foshan University Veterinary Teaching Hospital, Foshan 528225, Guangdong, China

Copyright: © 2026 Author(s). This is an open-access article distributed under the terms of the Creative Commons Attribution License (CC BY 4.0), permitting distribution and reproduction in any medium, provided the original work is cited.

Abstract: Against the backdrop of the comprehensive advancement of the “New Rural Science” initiative and the deepening implementation of the fundamental task of moral education in higher education, the cultivation of veterinary medicine professionals faces new developmental opportunities and contemporary challenges. As a core course with strong practicality and stringent technical requirements in veterinary medicine, “Veterinary Surgery” serves not only as the primary platform for imparting surgical techniques but also as a crucial vehicle for shaping students’ professional ethics, humanistic literacy, and patriotic sentiments. Based on teaching practices at local institutions, this paper conducts an in-depth analysis of the ideological and political elements embedded in “Veterinary Surgery,” systematically elaborating on the implementation pathways of curriculum-based ideological and political education from dimensions such as value guidance, element exploration, integration approaches, and innovative teaching methods. The practical outcomes demonstrate that this teaching reform has effectively enhanced students’ professional competencies and comprehensively strengthened teachers’ educational capabilities, providing a replicable practical paradigm for cultivating high-quality veterinary professionals with well-rounded development in moral, intellectual, physical, aesthetic, and labor education.

Keywords: Local universities; Veterinary surgery; Ideological and political education in curriculum; Teaching reform; Talent cultivation

Online publication: April 17, 2026

1. Introduction

“Veterinary Surgery” serves as a pivotal clinical course in undergraduate animal medicine education, bridging foundational knowledge with advanced practice. It covers essential topics, including aseptic techniques, anesthesia management, surgical procedures, and diagnosis of common surgical conditions, which directly determine students’ future clinical competence in veterinary practice. With socio-economic development and improved living standards, pets have become integral members of households, and the concept of animal welfare has gained widespread acceptance. Consequently, the role of veterinarians has evolved from traditional disease treatment providers to guardians of animal health, defenders of public health security, and facilitators of

transforming pedagogical methods. This initiative has infused the “salt” of ideological education into the “soup” of veterinary surgery training, ensuring the curriculum not only possesses academic depth and technical rigor but also political relevance and humanistic warmth. Looking ahead, the study will align with the era’s demands for “New Agricultural Sciences” development, closely monitoring emerging technologies, ethical challenges, and innovations in veterinary surgery. It will continuously update the ideological education case library, explore the “Internet + Ideological Education” model to deepen industry-education collaboration, and integrate cutting-edge industry trends with ideological education^[20]. The evaluation system will be optimized to solidify ideological education implementation. These efforts aim to cultivate outstanding veterinary professionals who excel in moral, intellectual, physical, aesthetic, and labor development, empowering them to shoulder the mission of national rejuvenation. This initiative contributes to China’s veterinary sector advancement and safeguards national biosecurity and public health through local higher education institutions.

Funding

Project of Postgraduate Demonstration Course Construction of Guangdong Province (Project No.: 2025KCJS_093); Project of Undergraduate Ideological and Political Education Reform Demonstration of Guangdong Province (2024); Project of Undergraduate Teaching Quality and Teaching Reform Engineering Construction of Guangdong Province (2025); Project of Department of Education of Guangdong Province (Project No.: 2025KCXTD045); Project of Quality Engineering of Foshan University (2025); Project of Quality Engineering of Foshan University (2023)

Disclosure statement

The authors declare no conflict of interest.

References

- [1] Dong W, Liu X, Wang Y, 2019, The Logic and Path of New Agricultural Science Construction. *China Higher Education Research*, 2019(09): 1–5.
- [2] Ondokuz Mayıs University, 2024, A Study on Veterinary Faculty Students’ Opinions on Ethics Education and Career Choices: A Case of Ondokuz Mayıs University. *Veterinary Medicine and Science*, 10(6): e70086.
- [3] Gao D, Zong A, 2017, From Ideological and Political Courses to Course-based Ideological and Political Education: Constructing a Course System for Ideological and Political Education in Higher Education Institutions from a Strategic Perspective. *China Higher Education*, 2017(01): 43–45.
- [4] Qiu W, 2017, The Value Implications and Development Path of Ideological and Political Education in Courses. *Ideological and Theoretical Education*, 2017(07): 10–14.
- [5] Liu L, Zhang Y, Jiang S, et al., 2022, Reform and Practice of Ideological and Political Education in Veterinary Surgery Curriculum under the Background of New Agricultural Science. *Animal Husbandry and Veterinary Science and Technology Information*, 2022(01): 1–4.
- [6] Lin B, 2020, The Value and Pathways of Integrating Craftsmanship Spirit into Medical Student Education. *Journal of Yan’an University (Medical Science Edition)*, 18(03): 107–110.
- [7] Amuguni H J, Mazan M, Kibuuka R, 2017, Producing Interdisciplinary Competent Professionals: Integrating One