

# Thinking in Systems: How to Accelerate the Construction of High-quality Graduate Education System

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## Abstract

**Speeding up the construction of a high-quality graduate education system has become the vane of the reform and development of graduate education. To do a good job in the era of "Chinese-style graduate education", we need to make use of the system concept, coordinate the promotion, seize the initiative, and be firm and confident. Promote the cultivation of top-notch innovative high-level talents to become a continuous stream of new momentum and new advantages to realize the strategy of rejuvenating the country through science and education strengthening the country through talents, and building a scientific, comprehensive, and systematic high-quality graduate education system.**

## Keywords

**Systematic thinking, High-quality, Graduate education system, Chinese-style graduate education.**

## 1. Introduction

Graduate education plays an important role in cultivating innovative talents, improving innovation capabilities, serving economic and social development, and promoting the modernization of the national governance system and governance capabilities. The state proposes to comprehensively promote the rejuvenation of the Chinese nation with a Chinese path to modernization, which points out our central task for us. Chinese path to modernization is a modernization that integrates education, science and technology, and talent. Chinese path to modernization is a modernization that reflects the people's urgent needs and good expectations for education. Chinese path to modernization is a modernization that calls for high-quality development of education. Graduate education, as a highland for cultivating top-notch innovative talents, has precisely become an important support for educational modernization. The new era has given graduate education the pressure, vitality, and motivation to develop towards high-quality development. We must adhere to and apply systematic concepts, continuously take the initiative to improve the quality of independent graduate training, accelerate the construction of a high-quality graduate education system, and do a good job in our "Chinese-style graduate education".

## 2. The Proposal of "Chinese-style Graduate Education"

Chinese path to modernization is the embodiment of our important mission and task in the new era and new journey, the unique direction and way of our modernization development, the urgent need for our modernization, and more importantly, our initiative and self-confidence. High-quality development, as one of the essential requirements of the Chinese path to modernization, is to work towards the overall goal of strengthening education and talents. As an important aspect of achieving this overall goal, graduate education is embedded in the connotation and requirements of the Chinese path to modernization. Therefore, building a high-quality graduate education system is to develop Chinese-style graduate education with characteristics.

The characteristics of Chinese-style graduate education are continuous expansion of scale, diverse disciplinary and professional systems, differentiation of training type structure, and deepening of enrollment model reform. The scale of graduate education in China has steadily ranked second in the world, with a total of 3.332 million graduate students on campus, an increase of nearly double compared to 2012. Among them, the number of doctoral students has reached 509000, and the growth rate is also fast. The corresponding number of graduate supervisors has increased from 298000 in 2012 to 557000 in 2021, with a continuous optimization of the structure. The subject catalog is diverse and comprehensive, covering a wide range of subjects, with the rise of interdisciplinary studies, the continuous increase in the proportion of professional master's training, and the diversified development of enrollment methods, types, and forms..."Chinese-style graduate education" fulfills the original mission of educating people and talents, and solidifies the effectiveness of moral education by casting souls and educating people.

### **3. The Key to Doing a Good Job in the Era of "Chinese-style Graduate Education"**

#### **3.1. To "move quickly and steadily", recognize the urgency and importance of development**

The horn for the second century's new journey has been sounded, and higher authorities such as the Ministry of Education have also issued various reform opinions and plans. The reform and development of graduate education in the new era has entered an important period. It can be said that the timing to accelerate the construction of a high-quality graduate education system is very suitable, and the need for reform is unprecedented.

Graduate education, as an important way to cultivate high-level talents, cannot be said to have poor development according to the current development mode and pace. It can only be said that it cannot adapt to the needs of long-term achievements, and cannot fully realize the effective play of the four major roles of graduate education in cultivating innovative talents, improving innovation capabilities, serving economic and social development, and promoting the modernization of national governance system and governance capabilities, There will still be contradictions that cannot meet the people's needs for a better life, which do not fully comply with the "Four-for" service policy, and cannot comprehensively improve the quality of talent independent training. So, to do a good job in "Chinese-style graduate education", it is necessary to highlight its characteristics, promote high-quality development of graduate education, accelerate the construction of a great country and power in graduate education, and the urgency and importance of pioneering reform and innovation are self-evident.

#### **3.2. To "innovate independently", enhance historical initiative and action consciousness**

Strengthen historical confidence, enhance historical initiative, grasp innovation and creation, transform into conscious action, adhere to independence and autonomy, and promote the quality of talent. Promoting the high-quality development of graduate education not only requires rapid and steady progress, but also requires a comprehensive improvement in the autonomy and initiative of talent cultivation, innovative work mechanisms, top-level design, daring to take the lead, adhering to characteristics, and active moving forward to find a new path of development.

Graduate education is the foundation of a strong university, and its development level reflects the competitiveness level of higher education. The development of graduate education in China has undergone a rapid breakthrough, from quantity to quality, and from extension to connotation. The reverse force mechanism runs through it, but the reform of reverse force

cannot fully adapt to the development laws and needs of talent cultivation and graduate education. We must always test the effectiveness of our work with the fundamental task and the only standard of cultivating virtue and talents, actively carry out the "addition" of graduate education reform, and also be good at doing the "subtraction" of graduate education development. We must break through and simultaneously stimulate the motivation and vitality of high-level innovative talents, and continuously consciously optimize the system, environment, system, and structure of talent cultivation. Therefore, the key to comprehensively improving the quality of independent talent cultivation is to actively exert the spirit of historical initiative and innovation, actively plan, diagnose in advance, understand the real problems and contradictions in the development of graduate education, and always drive the effectiveness of graduate education work with the original mission of educating people and talents.

### **3.3. To "improve quality and excellence", define reform dimensions and innovation directions**

The purpose of high-quality development of graduate education is to build a strong education country, a strong talent country, and achieve modernization of education. This requires education to follow a connotation-based development, strengthen quality management throughout the entire process, run through an integrated education system, pay attention to "slimming, improving quality, and increasing efficiency", and shape new driving forces, advantages, and customs for development.

Quality is the lifeline of productivity research. The development of graduate education in the new era can no longer rely solely on quantitative growth, nor can it be simply a pie-shaped growth in campus size, enrollment, number of teachers, and number of papers. Instead, it is necessary to integrate stock reform and incremental reform. To promote institutional optimization and cultural inheritance, it is necessary to not only learn from teachers but also to cultivate talents. We should pay attention to the academic and moral values of the school. We should do a good job in ideological and political education, support education, promote evaluation and guidance, open cooperation, deepen the integration of science and education, industry and education, and adhere to process monitoring, drainage and diversion, and other strategic measures. While adhering to the priority development of education and following the development laws of graduate education, we should cultivate a large number of high-quality individuals with both moral and talent abilities High level and high-quality innovative top talents.

### **3.4. To achieve a "comprehensive system", requires overall planning and foresight**

Adhering to the coordinated development of education, technology, and talent requires us to comprehensively and systematically promote graduate education reform, establish a holistic concept, build a multi-dimensional, diverse, three-dimensional, and comprehensive quality system construction, and plan the direction of reform and development with a holistic and systematic thinking.

Investigation and research are important tools for us to carry out various tasks. In recent years, we have deeply experienced and heard a voice, such as rapid policy changes, too many measures introduced, forms not keeping up with development needs, contradictions overlapping, implementation pain, continuous input is difficult to bear, and the drawbacks of forcing mechanisms and reforms continue to emerge. The "new policies" currently being pushed out are difficult to adapt to the new and higher-level needs of the next stage, and the policy effect has obvious shortcomings. However, nothing can be achieved overnight. To carry out education supply-side reform well, it is necessary to plan comprehensively, have a broad perspective, and refuse to be short-sighted. Education should be oriented towards

modernization and the future. The construction of a high-quality graduate education system not only needs to do a good job in the current "14th Five-Year Plan", but also needs to plan for a forward-looking, global, strategic vision, and anchor the needs of medium - and long-term high-quality development. In the new era, we must anchor the second centenary goal of cultivating virtue and talent, cherish the greatness of our country, and promote the high-quality development of graduate education with a more uplifting attitude. We must uphold integrity and dedication for a long time.

To make a long story short, the key to doing a good job in the era of "Chinese-style graduate education" is to firmly grasp the system concept, and build a modern graduate education building with unique Chinese characteristics with a high degree of moral education and historical mission. Based on the four fundamental aspects of rapid and stable progress, independent innovation, quality improvement, and comprehensive system, grasp the rules, actively explore, continue to exert efforts, and strive to achieve success, Be a good responder for new era topics.

#### **4. The Development Trends of the Construction of the Graduate Education System**

The construction of the graduate education system is an important part of higher education system construction because in order to build a high-quality graduate education system, it is not only necessary to accurately grasp the internal laws of higher education but also to clarify the particularity of graduate education as the top of the national education series. We must not only follow the fundamental requirements of cultivating virtue and educating people but also understand the objective laws of talent cultivation and comprehensive development, the laws of education and teaching and subject professional development, the guidance of talent cultivation and social needs, the requirements of connotation and innovative development, educational policies and administrative laws, etc. The development trend of the construction of the graduate education system will inevitably follow a more scientific, systematic, diverse, and open development path.

#### **5. Conclusion**

The original intention remains unchanged, and the mission is urgent. Strengthening the talent support for modernization construction calls for us to work harder and deepen the development and reform of graduate education, consolidate the core cornerstone of graduate education, actively summarize the contradictions and laws of graduate education, deeply analyze the theoretical, practical, and policy achievements of graduate education management, and continuously optimize top-level design in order to break through innovation and be the first in the world. The construction of the education system should adhere to a systematic concept, combined with the current situation of graduate education and talent cultivation, to avoid falling into the trap of forced and purely incremental reforms. The construction of a high-quality education system should be comprehensive and accelerated, while also slimming and improving quality. It should be based on the current situation and able to look forward to the future. It should not only constantly reflect on the original intention of graduate education, but also bear the mission of the people's needs, The broad front of graduate education needs to work together to anchor the grand goal of improving the quality of talent-independent training and continue to strive in order to push forward the cause of graduate education.

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## References

- [1] Information on:Ministry of Education The "Education Decade" and "1+1" Series Press Conference ④: Introduction to the Achievements of Graduate Education Reform and Development since the 18th National Congress of the Communist Party of China.<http://www.moe.gov.cn/fbh/live/2022/54521/>.
- [2] Cao Liping, Zou Lili, Zhou Yuqing:The New Mission and New Path for the High-quality Development of Postgraduate Education in the New Era: Summary of the First China Graduate Education Congress and China Graduate Education Yangtze Forum.Academic Degrees & Graduate Education, (2023)No.8,p.53-60.
- [3] Wang Zhanjun, Zhang Wei:70 Years Exploration of the Norm of Graduate Education in China. Academic Degrees & Graduate Education, (2019)No.9,p.43-48.