

# The New Concept of International Education and Its Enlightenment to Higher Construction Education in China

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**Abstract** : The development of China's higher education is facing two challenges in the 21<sup>st</sup> century. One is the challenge of the worldwide scientific and technological revolution of information technology with electronic network as the forerunner and life science with genetic engineering as the core. The other more serious challenge is the transformation from planned economy to market economy, especially to international market economy. This article discusses the characteristics of the latest concept of international higher education, and further analyzes its enlightenment to higher construction education in China.

**Keywords** : New Concept of International Education; Higher Construction Education; Enlightenment

Along with the global reform in recent years, the development quality and efficiency of China's higher education have been significantly improved. Graduates, with solid knowledge, strong ability and diligence, are accepted and recognized by the society, and have made decisive contributions to the development of China's construction industry. However, there are still many problems to be solved, including intellectual education, interdisciplinary research, comprehensive education and training in the field of engineering design, curriculum foundation, understanding, integration and research. Therefore, it is necessary to learn from the new concept of international education, especially the experience and ideas in the field of constructional engineering, for completing the research on the reform and development of universities. By fully understanding the new concept of international higher education, we can actively learn from the achievements of other countries, adapting to the ever-changing international situation and the development of Chinese society, and further deepening the reform of education, content, methods, means and governance structures, so that high-quality talents can adapt to the international and domestic markets.

## 1. The new concept of international education

### 1.1 International higher education forms

The emergence of new technologies, especially those in the fields of communication, information and space, has greatly shortened the geographical distance between countries, and improved the connection among economic, technological, cultural and educational departments. At the same time, national education, as an important part of international education, faces great competitive pressure. In this context, in order to promote exchanges and cooperation in academic and cultural fields, a number of countries have carried out higher education all over the world. It mainly involves the exchange of international content of courses, international experience, participation in international academic activities and joint research and development projects, and exchange of students.

### 1.2 Socialized higher education forms

Universities take higher development goals and comprehensive social services as their mission and responsibility. By serving the society, they can truly improve their technology and become the base for training senior talents.

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### **1.3 Personalized higher education forms**

Teaching management should be flexible. Taking students as the center and paying attention to their personality development are the common point of every school. The teaching process should take full account of students' employment situation, their learning flexibility and learning cost. The education period can be extended by involving student representatives in school management and even decision-making. Student unions in schools can evaluate teachers' curriculum planning. Schools should create favorable conditions for life and study in various fields. Importance should be attached to innovative education, that is students can choose skills according to their interests, and teachers encourage students to think independently. The ideal condition is that the teaching process is democratic, the relationship between teachers and students is equal, and teachers support each other. In addition, students can create new courses, because the most important criterion for evaluating students is creativity.

### **1.4 Information-based higher education forms**

In the future, the information society, culture and the work in the information process will be organized. Education must pay attention to students' basic ability of "applying what they have learned". It should expand the basic skills of young people, including knowledge and skills, and respect students and their willingness of lifelong education, so that they can continue to receive education. Modern information technology based on computer network has fundamentally changed the distribution state of information in society, thus changing the relationship in traditional education. That is educators in the information age are also learners, and learners can also be educators, resulting in the challenge of the relationship between teachers and students. Teachers' roles have inevitably changed from imparting knowledge to supporting and promoting students' active construction of meaning. Such change requires education management departments to provide necessary training for teachers.

### **1.5 Lifelong higher education forms**

The acceleration of modern technology and economic development is a new commitment to society. They should not only have certain production experience and qualifications, but also have appropriate knowledge reserves and constantly updated knowledge structure. Whether new social producers can adapt to the development and changes of society has been a crucial challenge for all countries. Teachers themselves should firmly establish the awareness of lifelong learning and lifelong education, and set up correct modern educational concepts. In addition to training teachers to master computer software and hardware operation, we must also train them to integrate technology into the teaching process. Teachers are required to regard information technology as learning resources and learning tools, strengthen the integration of educational technology and various disciplines, and attach importance to the construction of educational resources of various disciplines. Teachers should act as consultants, learning partners, software developers, and learning supporters.

## **2. Enlightenment to higher construction education in China**

To adapt China's higher education to the changes of the international situation and the development of Chinese society, we should actively study, develop and deepen the successful trends and reforms of higher education in other countries; We should update the teaching content, methods and guiding structures to cultivate high-quality talents that adapt to the international and local markets.

### **2.1 Social self-run schools**

The development of global economy has rapidly changed the traditional production mode and management concept. The "skill and ability structure" of "talents" has led to great changes in the market economy. Therefore, the talent-oriented educational goal and educational concept should be emphasized. China's higher education should be closely connected with social and economic development at home and abroad, developed in a way that fully meets domestic and foreign needs, and permanently equipped with new concepts. We should promote a wide range of personalized education, and at the same time update our ideas to adapt to the domestic and international markets. Supplemented by new majors, we need to seek new ways and explore new paths of higher construction education.

### **2.2 International-oriented courses**

The 21<sup>st</sup> century is an era of information and an era of competing "global awareness", making it possible to become a leader in international competition. The internationalization of economy will more and more contribute to the development of China's economy. With the internationalization of economy, the internationalization of the construction industry is inevitable. As the foundation and leader of the construction industry, education departments must consider the development needs and play a leading role in the internationalization of education. Therefore, it is necessary to provide more powerful international and information-based courses, and offer integrated courses of the latest research achievements and technologies in foreign and domestic fields, promoting

comprehensive bilingual teaching. Its purpose is to create a system that reflects the general technical knowledge and operation management of the international construction industry for highly talented people, thus improving students' ability.

### **2.3 Adhere to the change of the teaching management concept**

The role of experts in academic decision-making should be highly valued and respected in all aspects. Strengthening scientific consultation and decision-making in academic circles and academic departments at all levels, together with the design and construction of disciplines and the cultivation of high-quality talents, and the interoperability between disciplines have an impact on educational reform. There is need to turn most of the "management functions" within the framework of traditional management systems into "service functions", strengthening the awareness and service functions of functional departments to provide services for teachers and students. The management system should focus on the objectives, that is liberalizing the process while attaching importance to results, so that students can achieve educational goals according to their own characteristics and learning styles.

### **2.4 Actively adopting modern educational technology**

Teachers should be encouraged to learn different types of distance education at home and abroad, strengthen their professional qualifications and computer skills, so as to adapt to the needs of talent education and training. By improving foreign language teaching materials, it can provide advanced and convenient information and network resources for students to master knowledge and application skills independently and actively. The transformation should be realized from the traditional teaching mode of teachers teaching unilaterally and students accepting knowledge passively to an interactive teaching mode of "teachers leading and students as the center", from the traditional closed teaching mode to a modern education mode with stronger social adaptability, higher social openness and international openness.

### **2.5 Paying special attention to the lifelong education of on-the-job personnel**

Construction universities should take the continuing education of in-service personnel, undergraduate and postgraduate education as the three major parts of modern higher education. Online education is the main approach of continuing education and lifelong education. It is necessary to set up professional education and training centers and build professional education websites for providing distance education networks for professional training services such as project management, architectural design and interior decoration. After registering online and receiving professional education, they can obtain qualification certificates.

## **3. Conclusion**

Generally speaking, there is an unprecedented trend in the development of educational technology around the world. Efforts should be made to make education the top priority of the future information society. In the context of the development of international educational technology, we should constantly learn its new theories and technologies, and integrate them into the development of China's educational technology.

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