Improving Teaching Quality by Innovation on Teaching Operation Mechanism

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Abstract. Through research on innovation of teaching operation mechanism, the paper has a detailed discussion on three aspects, namely, the precondition for innovating on teaching operation mechanism is strengthening institutional construction, the key to innovating on teaching operation mechanism is establishing innovation talent cultivation system and innovation and improvement of teaching management mechanism is the foundation for cultivating high-quality talents. Conclusions are drawn that the key to improving educational and teaching quality is to innovate on teaching operation mechanism; new concept of educational quality should be established to appropriately deal with the connections of teaching with learning, foundation with innovation, humanistic education with science education and general education with individualized education.

Introduction

Advanced teaching operation mechanism is based on scientific and advanced teaching management mode, and the establishment of new teaching operation mechanism is realized through reform on teaching management mode. From another perspective, teaching management mode is superficial and formal, while teaching operation mechanism is deep-level connotation. Whether a teaching operation mechanism is advantaged depends on whether the teaching management mode is advanced. Therefore, sound teaching operation mechanism is the foundation for improving the quality of teaching quality in college education to a new level.

Institutional Construction is a Precondition and Security for Innovation on Teaching Operation Mechanism

From the perspective of higher education, institutional innovation is the fundamental security for talent cultivation of higher educational institutions. Sound teaching operation mechanism with a favorable and loose educational environment is the basic requirement for improving teaching quality and strengthening teaching management in the new age. Teaching operation mechanism is the effective teaching management system with its own characteristics that is continuously summarized in construction of various management rules and regulations of higher educational institutions as well as the interactive process and mode among each component within the system. The purpose of innovating on teaching operation mechanism is to cultivate talents of higher quality. The level of institutional construction and mechanism innovation in higher educational institutions directly impacts their reputation and development. Improving teaching management mode is the foundation for institutional construction and operation mechanism innovation.

Entering the 21st century, with reform on the national system for college entrance examination, gradual increase in the number of new students admitted to colleges and universities and increase in the number of students in school, innovation on teaching operation mechanism becomes particularly important to improve teaching quality. To emphasize innovation on teaching operation mechanism, colleges and universities should shift the center of teaching management downward to each department and faculty with the main purpose of reducing management levels, improving work efficiency and implementing the operation mechanism management responsibility. Meanwhile, colleges and universities are focused on policy and mechanism regulation, intensify evaluation and
inspection, improve rules and regulations, while departments and faculties are responsible for teaching process and quality; in particular, “the first in command” shall assume overall responsibility for teaching quality of the department and faculty. To ensure system transformation, it is required that the construction of department teaching management talent team be strengthened and specialized teaching management post be set. At the same time, the teaching evaluation function of the teaching affairs office shall be intensified and “Teaching Quality Evaluation Center” be established to have evaluation over department teaching work on a regular basis. Only by so doing may we fulfill the goal of teaching management in a better way and ensure stable improvement of the educational and teaching quality.

Key to Innovation on Teaching Operation Mechanism—Establishing Innovative Talent Cultivation System

According to the requirement of implementing quality education in all aspects, construction of innovative talent cultivation system should have such basic characteristics as “sound foundation, compound nature, innovation orientation and internationalization”. Sound foundation is an important precondition for further development of innovative talent cultivation as well as the key for high educational institutions of China to cultivate creative talents with the spirit and ability of innovation. Technical innovation, scientific and technological innovation and knowledge innovation are more closely related to talent cultivation of higher educational institutions. Knowledge economy is a more personified advanced economic form, while technical innovation, scientific and technological innovation and knowledge innovation propose urgent requirement for education, especially higher educational institutions, to cultivate creative talents with the spirit and ability of innovation.

Compound talents will be more extensively adaptable due to comprehensiveness and interdisciplinarity of the modern sciences. Therefore, it is necessary to broaden and strengthen foundation and weaken over-detailed specialties in teaching. Only by establishing the cultivation system of innovative talents may we cultivate talents by new mode; meanwhile, it is required to innovate on teaching operation mechanism in the process of establishment. Innovative talent cultivation system covers teaching infrastructure system, campus culture system, course teaching system, teaching management information system and practical teaching system.

Teaching Infrastructure Facilities System is the Material Basis for Establishment of Innovative Talent Cultivation System. Through increasing input, it is to construct serialized teaching facilities of higher level, promote reform on teaching approaches and advance overall reform on teaching concept, mode, content and method.

With Chinese Characteristics and Reflecting Traditional Campus Culture, Construction of Campus Culture System is the Spiritual Basis for Cultivation of Innovative Talents. It is impossible to edify, cultivate and gather people without profound and gracious culture accumulation. With construction of college student quality education base as a chance, higher educational institutions shall make efforts in improving the cultural quality of college students, improving teachers’ cultural quality, improving cultural taste and academic atmosphere of the school, creating a loose environment and providing freedom in time and space, thus to establish an integral set of campus culture system for development and innovation of the students.

Course teaching system is the core of innovative talent cultivation system. It is to optimize the cultivation scheme and course curriculum system structure by further broadening specialty orientation, expand the growth space for students by further reducing class hours, further enhance the basic, systematic, practical and sophisticated nature of the teaching content, and make great efforts in constructing excellent courses and featured specialties. By so doing it is to have reform in such aspects as teaching content, methods and approaches, thus to further improve the teaching quality and general level of higher educational institutions.
In Terms of Teaching Management Information System, it is to Further Promote and Perfect the Reform on Credit System Management Mode. Improve computer network teaching management and service system, implement the scientific management system combining management by objectives with process supervision, creative a looser growth environment and space and optimize the allocation of teaching resources, thus to allow the students for greater freedom in selection of courses, teachers and time and for individualized development with greater breadth and depth.

It is to enhance standardized, scientific and modernized management mode in teaching management to transform teaching resources into information and then transform information to resources. The objective is to establish a comprehensive teaching information system and remote teaching system based on modern information and network technology and to realize network-based teaching management mode, which is the fundamental security for cultivation of innovative talents.

Practical Teaching System is the Key Point for Construction of Innovative Talent Cultivation System as Well as an Important Approach to Improving the Students, Spirit of Innovation and Practical Ability. It is to vigorously promote college students to participate in practical activities and scientific research earlier and carry forward the tradition of “emphasis on practice”. It is to realize multi-level, multi-module and interconnected scientific and systematic experimental teaching mode, and require close connection of practical teaching content with scientific research and social practice to form benign interaction, thus to realize organic combination of theoretical foundation with sophisticated science and classic theory with modern practice. In addition, it is to establish new multivariate practical evaluation method and teaching mode meeting the requirement for cultivation of the students’ ability and encouraging exploration to promote autonomous, cooperative and research-oriented study of the students.

Transfer Concept of Education and Teaching, Improve Sense of Teaching Quality

Facing the new situation, higher educational institutions shall have further thoughts and innovation on the ideas of school running, talent cultivation, education and teaching and quality. Consideration shall mainly cover the following aspects:

**Education Quality is the Lifeline of Higher Educational Institutions.** The quality of talent cultivation directly impacts the survival and development of higher educational institutions, the fundamental task of higher educational institutions is talent cultivation and talent competition means quality competition. For higher educational institutions as subjects of knowledge industry, the only choice in the new age is to stably improve teaching quality and take the path of winning with quality. Higher educational institutions may survive only if they ensure that the talents they cultivate are popular with the society.

**Firmly Establishing the Student-Centered Teaching Idea is the Key to Improving Teaching Quality.** The teaching long-developed idea centered on specialty, teacher and classroom must be absolutely changed. Students are the subjects of teaching activities and the teaching process should be changed from “centered on teaching” to “centered on learning”. Educational institutions must adapt to demand of the society, teachers must adapt to demand of the students and students must adapt to demand of the market.

**Emphasize Individualized Development of the Students.** Broader development space should be created for students to encourage their learning enthusiasm and promote their individualized development. Individualized development of the students is the foothold of quality-oriented education. It is the core of improving teaching quality to create a favorable teaching environment for individualized development of the students, establish new diversified talent cultivation modes and improve the students’ adaptability through teaching reform.

Innovate on Education and Teaching Management Operation Mechanism, Establish Flexible Management Mode

Establishing a sound teaching management operation mechanism and creating a favorable loose
talent cultivation environment is the basic requirement for teaching management under the background of the new age. Scientific, standardized, sound and high-efficiency teaching management operation mechanism is the precondition and foundation for higher educational institutions to improve their teaching management work.

A sound teaching management system refers to a working system and operation mechanism to improve teaching quality in all aspects. Specifically, it refers to an organic integrity mutually coordinated and promoted with explicit tasks, duties and authorities that reasonably organizes each part of the teaching process and the activities and functions of each department with improving teaching quality as the core and cultivating high-quality talents as the goal.

Construct Student Quality Comprehensive Assessment System in all Aspects, Establish and Improve Excellent Student Rewarding System and Learning Innovation Incentive Mechanism. It is to promote the teaching management mode “with students as the subjects”, implement selective teaching mechanism emphasizing students’ autonomous learning, conduct overall scientific test on college students’ quality, offer certain reward to excellent students, provide positive incentive for various innovation activities and provide active direction for entrepreneurship of the students.

Efforts Shall be Made in Constructing a Teaching Quality Comprehensive Evaluation System and Establishing a Mechanism of Better Remuneration for Higher Quality for Teaching Posts in all Aspects. Emphasis shall be put on establishment of the teaching quality monitoring and evaluation system based on the principles of scientificness, systematicness and operability. For teaching quality, omnibearing appraisal should be carried out covering students, teachers and the management level. Teaching posts should be set scientifically based on course characteristics and teaching requirements to differentiate the allowance for different teaching posts and implement the system of better remuneration for higher quality for teaching posts.

Construct Department-Level Teaching State Evaluation System in all Aspects. Management by objectives is carried out for department-level teaching construction, teaching process, teaching reform research and reaching management state to conduct more scientific and institutionalized serial evaluation, bring into play the role of teaching input and incline to the critical parts with important role in talent cultivation as well as the departments that implement work soundly with high teaching quality. At the same time, advanced teachers should be rewarded to set models and bring into play their leading role.

A high-level university shall have such ambition and sense of historical responsibility to vigorously promote educational reform and create better conditions for continuous cultivation of pillars for the present world and the future society. Higher educational institutions must, starting with development of the age and the society and fixing their attention on internationalization, make all efforts in promoting teaching reform and innovating on teaching operation mechanism to ensure stable improvement of the educational and teaching quality.

References