Exploration on Training Mode of Local Teachers’ Colleges for Interdisciplinary Talents

Li CAI
Mianyang Teachers’ College, China

Keywords: Local normal colleges, Interdisciplinary talents, Training mode.

Abstract. With the frequent flow of talents from various ethnic groups and regions and the increasingly integrated and diversified development of science, technology and culture, society has an increasingly strong demand for talents who have broad professional knowledge, extensive cultural upbringing, compound ability and creativity. Colleges and universities at all levels are also keenly aware of this social demand. Local normal universities in China mainly undertake the important responsibility of cultivating basic education teachers, and they should take the opportunity of basic education reform to cultivate talents for basic education. Strengthen professional curriculum integration. Create double degree. Cultivate students' multicultural learning mode. Enhance students' comprehensive practical skills training. Attach importance to teachers' professional skills training. Based on region's economic and cultural development demand, colleges must cultivate interdisciplinary talents with high and comprehensive quality.

Introduction

With the development of technology and social culture becoming more and more comprehensive and diversified, there is a corresponding demand for inter-disciplinary talents from all sectors of community. The strengthening of regional and ethnic ties has accelerated penetration and integration of various cultures. Cultural integration and diversification of its development trend are bound to put forward higher requirements for various education institutions, especially for colleges and universities. Compared with other universities, normal colleges are more special in talent training, because the teachers influence not only one generation, but also the next generation's thinking mode and innovative spirit. Local normal colleges belong to various province and region, which is apart from normal colleges directly under the Ministry of National Education., mainly assuming the important responsibility of cultivating the basic-cycle teachers[1]. This responsibility requires local normal colleges to pay close attention to development needs of basic education, striving to seek a talent cultivation model that can not only adapt to economic and cultural development of the region, but also highlight their own educational characteristics.

The Connotation of Interdisciplinary Talents

The interdisciplinary talent is a multi-functional talent including knowledge compound and ability compound who has scientific innovation spirit of comprehensive development. There are mainly five aspects: First, solid basic theoretical knowledge. Only when the basic theoretical knowledge is mastered and absorbed in colleges and universities can they have the ability to adapt to constant update and application of knowledge. At the same time, teachers should also enhance their own basic skills training such as computer skills, language skills and experiment ability. Second, a wide range of knowledge, the inter-disciplinary talents not only emphasize the learning of basic knowledge, but also emphasize the breadth of professional knowledge and the diversity of subject knowledge, focusing on the integration of knowledge. Normal college students should pay more attention to organic combination of knowledge of different subjects. Third, strong ability to apply knowledge, the basic knowledge of the most normal college students is solid and broad, but they can't use it, which leads to the waste and idleness of abundant knowledge resources. At present, many normal colleges and universities set up practice training bases with local primary and secondary schools to enable students to participate in the trial speaking, practice and other means.
which have activated the existing knowledge in their minds, adjusting and optimizing knowledge structure of students, also improving their knowledge application ability in actual teaching. Fourth, comprehensive accomplishment, accomplishment refers to the internal comprehensive and stable individual psychological quality of human being formed on the basis of innate physiological characteristics, influenced by upbringing and environment, through individual learning and practice, especially through the internalization of external culture to promote physical and mental development. [2] A good psychological quality for inter-disciplinary talents embody not only confident and optimistic but also open-minded and resilient to setbacks, whose professional quality and psychological quality all deserve full development and harmonious integration. The last, the spirit of scientific innovation is also an indispensable basic goal of cultivating inter-disciplinary talents in colleges and universities. The cultivation of innovative talents is not only the responsibility of the nation and society, but also the responsibility of colleges and universities. Colleges and universities should take the cultivation of innovative talents as the top priority of education reform and development and strive to cultivate students' innovative ability and innovative spirit.

The Necessity and Importance of Cultivating Interdisciplinary Talents in Local Normal Colleges

Adapt to Basic Education Reform the Development Goal of Education in Outline of Education

Development Plan 2010-2020 is as follows 161 million students in compulsory education in 2015; 165 million in 2020; In 2015 there were 45 million students in high school and 47 million in 2020. Higher education was 33.5 million in 2015 and 35.5 million in 2020. The data shows that the scale of education in higher education is expanding and the source of basic education students is gradually shrinking. The demand for basic education talents is bound to decrease. The decrease in demand for basic education talents is also related to current personnel management system. In order to reduce the financial burden, some county and municipal governments discount the number of teachers. Colleges must take the opportunity of basic education reform to cultivate versatile talents who can not only adapt to the needs of reform and social development but also adapt to the economic and cultural development and needs of the region.

Improve the Market Competitiveness of Students in Local Normal Colleges

With the implementation of primary and secondary school teacher certification system, the policy privileges of employment for teachers' graduates in the post of education have gone, and non-normal graduates can also enter the post of teachers after obtaining the teacher certification, which makes the problem of the oversupply of basic education teachers even more prominent. From macro situation, the employment market of normal college students is constantly broken with the popularization of higher education. Some graduate students begin to share the employment market, and some students from subordinate normal university start to share the original employment market of local normal college, which further aggravates the employment competition of local normal college graduates. Faced with such a fierce job market, local normal colleges can only improve comprehensive quality so that their students can stand in the competition.

The Train Ideas of Interdisciplinary Talents in Local Normal Colleges

The National Medium and Long-Term Plan for Education Reform and Development point out that we should update the concept of talent cultivation and set up diversified concept of talent cultivation. The talents needed by the society are multi-level, multi-type and multi-specification. [3] The talent training structure of higher education must be adapted to the demand structure of modern economy and society. The personnel training mode is the key to the school's unique and significant teaching results in the aspects of not only guiding ideology and training objectives but also teaching reform and teaching management.
Taking the Opportunity of Basic Education Reform Train Talents for Basic Education
Strengthening Discipline Construction and Following the Path of Integrated Curriculum Setting

The important responsibility of local normal colleges is to cultivate basic education teachers, so comprehending and researching basic education are indispensable. Future basic education needs multi-functional talents who have high comprehensive quality, innovative spirit and practical ability. Therefore, the discipline and major setting should be oriented by basic education, which is in line with the actual situation of colleges and development needs of the region. Professional construction should strengthen the construction of key and characteristic majors expanding the professional caliber horizontally and the professional connotation vertically. In the adjustment of the professional structure, curriculum should be integrated and diversified.

The construction of curriculum system should reflect the compound ability of future teacher. In the course structure design, the professional foundation and comprehensive ability training should be emphasized and the coordinated development of students' knowledge and comprehensive quality should be laid emphasis on. Currently, the teachers who are qualified for art, science, comprehensive practice and mental health education in primary and middle schools are in short supply, which reflects the deficiencies in professional setting and curriculum system of local normal colleges.

Optimize course content. On the basis of the relative stability of the course content, it reflects certain adaptability, scientificity and broadness of knowledge, organically combining the breadth and depth of knowledge. General education course should be paid attention to the infiltration of literature and science to promote the integration of humanistic quality and scientific quality. As a core part of undergraduate education, professional courses not only are emphasized learning of professional knowledge, but also history and methodology of the subject are understood, also the connection between the subject and other subjects. Only through interaction and integration of general education courses, professional courses, practical teaching courses and innovative education courses can the join forces of inter-disciplinary talent cultivation be formed. The teaching manager should flexibly formulate course credit and class time ratio so as to cultivate the interdisciplinary teachers who are really needed by foundation education in the future. School-wide public elective courses must be actively set up. In order to promote formation of a good academic atmosphere, some student activities can be included in personnel training program, such as some important extracurricular scientific and technological activities, social practices, cultural activities and discipline competitions.

Create Double Degree, Bring Up Versatile Talent

A double degree is a second bachelor's degree. Double degree education is an important teaching reform measure to promote the cultivation of interdisciplinary talents. It is a form of education for undergraduate students to study in another major in an interdisciplinary field while completing the major learning task. The dual degree course system is included all the core courses of the major and credit system management in which flexible educational system is implemented. colleges should encourage the students to choose the minor majors according to their interests, hobbies and specialties while ensuring the completion of professional teaching tasks of major courses. Of course, double degree students must have the corresponding conditions through voluntary application, qualification review and other strict procedures before admission.

Cultivate the Students' Multicultural Learning Model

With the development trend of information networking and global melting pot, more and more attention has been paid to establishment of a multi-cuechanism. The normal colleges strengthen study of cultural rural learning model ml integration based on regional culture and improve training mechanism for inter-disciplinary talents. Different geographical locations, customs and economic development levels have formed distinctive cultures in various regions. The inheritor of distinctive cultures is the people living in this region. With the expansion of enrollment, colleges and
universities have become a holy land of cultural communication and a melting pot of regional cultures. Pay attention to interdisciplinary cultural integration and learning. First, curriculum should be cross-disciplinary. Secondly, complementarity of professional knowledge should be considered, the stronger the professional complementarity the better of the cultural integration of learning. Such curriculum setting not only facilitates communication between teachers of various majors, but also promotes mutual learning and communication between students in the process of learning.

Diversify the Objectives of Talent Training

Based on the development and needs of the region, local normal colleges should cultivate high-quality future teachers suitable for the new curriculum reform, attaching importance to training teachers who are really needed in the education stage of urban and rural foundation. Local research staff and excellent teachers in primary and secondary schools are invited to participate in the establishment of training mode and development of training programs. The comprehensive cultivation of students' knowledge and quality is carried through the training mode structure so as to truly realize the unity of discipline and pedagogy. Colleges should not only grasp cultivation specifications and quality, but also make efforts in terms of teaching strategies, student management and campus culture. According to the law of students' physical development and the time sequence of teaching modules arranged by the textbooks, the talent cultivation modes are chosen such as 3.5+0.5, 3+1, 2+2 that are suitable for comprehensive development of students.

Strengthen Students' Comprehensive Practice and Reinforce Their Comprehensive Teaching Skills

Practice is not only the fundamental standard to test the success of college students, but also the ultimate and only standard. Colleges must change traditional method of evaluating students only by scores and increase the proportion of practical ability and innovation ability in the evaluation system. The link of teaching practice and scholarship evaluation can urge students to devote themselves to practice. On the basis of fully guaranteeing internship time and internship base, colleges should enhance students' professional practice skills and self-practice awareness and give guidance them that they should not ignore practice activities for fear of hardship and encourage them to be good at discovering and analyzing problems in practice and work hard to improve their practical ability and innovation ability.

The aim of modern education is to stimulate students' thirst for knowledge and help them improve the correct learning methods and application of knowledge. In order to adapt to basic education reform and new curriculum reform requirements, The teaching staff in local normal colleges must put not only theory and practice but also knowledge and ability training throughout the whole teaching process taking In-class and out-class guidance and teaching practice to urge student's learning process become the process of application and innovation, which lays a solid foundation for cultivating inter-disciplinary talent for local higher normal colleges.

References
