

Discipline Construction of Application-Oriented Universities

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Abstract: Discipline construction is the support of specialty construction and talent cultivation of Application-oriented Undergraduate Colleges and the basis and carrier of talent cultivation. Discipline construction is related to the goal and specification of specialty construction and talent cultivation, the allocation and coordination of educational and teaching resources, the quality and efficiency of higher education, and the coordination and adaptation of higher education and economic and social development. The cultivation of high-quality talents to meet the needs of national and regional economic and social development depends to a great extent on the discipline construction of colleges and universities. For application-oriented undergraduate colleges, discipline construction is the foundation, foundation and core of all work, and the basic guarantee to improve personnel training, enhance core competitiveness, school level and social reputation, adapt to the needs of economic and social development and the overall development of people.

1. Introduction

1.1. Research background

The development level of application-oriented disciplines is one of the signs of the overall running strength of application-oriented universities. Therefore, the development of application-oriented universities should focus on the construction of a number of application-oriented disciplines. The construction of application-oriented disciplines can not only enrich the theoretical knowledge system of application-oriented disciplines, expand the application-oriented advanced expertise, but also enable the discipline construction and specialty of application-oriented universities. Industry construction and personnel training are closely combined to help solve practical problems in regional economic and social development.

1.2. Research status at home and abroad

1.2.1. Research status abroad

As early as a century ago, the western countries headed by Germany have carried out relevant research and practice work and accumulated a lot of experience. The discipline construction of Applied Undergraduate Colleges and universities has formed a complete set of applied discipline construction theory and practice system, from national education to adult education, from community university to famous University, from junior college to undergraduate to postgraduate.

1.2.2. Domestic research status

In general, higher education in China can be divided into three types: research type, application type and vocational skill type. With the introduction of the "double first-class" policy, this kind of university has attracted the high attention of the local government and aroused the enthusiasm of the local government investment. To build a good application-oriented university, the construction of the application-oriented discipline must be paid great attention. However, with the application transformation of undergraduate colleges and universities, there are still some problems in the construction of application-oriented disciplines that have not been fundamentally solved. For example, there are still some problems in the construction of Application-oriented Undergraduate

Colleges and universities, which are divorced from the construction of disciplines. Application-oriented Undergraduate Colleges and universities always pay attention to the construction of specialties and talents, but ignore the construction of disciplines, so as to make the construction of disciplines and specialties cannot promote and depend on each other. Discipline construction is just the foundation and carrier of specialty construction and talent training. As an established undergraduate school, compared with the older brother undergraduate colleges, there are still many problems to be solved in discipline construction.

1.3. The scheme proposed in this paper

We should select the leader of the discipline, build the discipline team, refine the direction of the discipline, build the characteristic and advantageous discipline, strengthen the scientific research, drive the development of the discipline with the project, improve the discipline construction system, improve the discipline development mechanism and other measures.

2. The importance of discipline construction in Application-oriented Universities

Discipline is the first concept involved in the construction and development of modern university. Discipline is of great importance to modern universities. Taking discipline construction as the leading role is a generalization and summary of the regularity of university construction, a measure of a university's leverage and a sign at the same time. The discipline construction of a university reflects and embodies the level, characteristics, academic status and core competitiveness of the University[1]. How about the discipline construction of the newly established application-oriented undergraduate colleges? It is the primary weight for the colleges to obtain social recognition in a certain region and even in China. If such colleges want to develop their own characteristics and form their own basic style of running schools, the foundation lies in the establishment of their own discipline advantages and advantageous disciplines. At the same time, the discipline is also the basis of cooperation and competition with the brother universities. Major construction is a very important indicator for the authorization review of bachelor degree. It is the second level indicator in the evaluation indicator system of the authorized unit and the first level indicator in the evaluation indicator system of the authorized major. Moreover, from the perspective of extension, professional construction is related to professional teachers, curriculum construction, teaching material construction, teaching reform, practical teaching, scientific research ability and other issues, which really lead to one development and move the whole body. The construction of supporting conditions, including the conditions of social economy and culture, the conditions of discipline echelon, the material conditions of specialty training, the objectives of specialty training, the conditions of program advance, the conditions of curriculum construction, the conditions of scientific research, the conditions of integration of interdisciplinary resources, etc., should be considered in the investigation of specialty construction. When we emphasize the importance of specialty construction, we should not think that the application-oriented university cannot pay attention to the discipline construction, because the discipline construction is also the foundation of the specialty construction of the application-oriented university. In the application-oriented university, both the specialty construction and the discipline construction should be done well.

3. Problems in determining the subject construction of Application-oriented Universities

Some teachers and managers are still indifferent to discipline construction due to their backward ideas, they attach importance to teaching and professional construction, and despise scientific research and discipline construction.

The overall strength of discipline team is not strong, there is a lack of excellent discipline leaders, and there is a lack of academic team with stable research direction, and there is a fault phenomenon in the academic echelon of some disciplines.

The discipline research direction is not concise enough, it is difficult to form a clear and stable research direction.

The academic atmosphere is not strong enough, the number of teachers participating in high-level academic conferences is small, the number of major academic conferences held by the university is small, the experience of domestic and foreign cooperation research of professors is small, the positions in academic organizations at all levels are low.

The level of academic research is not high, and in the scientific research work of the whole university, there are many single soldiers fighting, small fighting and small fighting, and soldiers. There are few League operations and joint efforts, lack of high-level scientific research projects and major scientific and technological innovation projects closely combined with local economy, and lack of high-level scientific research achievements, such as high-level academic papers, influential academic monographs and achievements with independent intellectual property rights[2].

The overall layout of disciplines needs to be further integrated and optimized, consistent with the research direction and team of disciplines. The construction of discipline research platform has not really formed yet, and the funding for discipline construction is not enough. Even if there is more funding support for some existing key disciplines, there are still problems of low use performance.

Table 1. Proportion of problems

Problem	Conceptual lag	Discipline team	Academic atmosphere	Research level	Overall layout
Proportion	10%	20%	25%	35%	10%

4. Countermeasures and measures to solve the main problems in discipline construction

4.1. Select the subject leader and build the subject team

Discipline leader is the soul and core of a discipline academic team, whose level will directly affect the level and characteristics of discipline development. Schools should take unconventional measures, enrich the strength of key and characteristic disciplines through multiple channels and forms, make great efforts to train and introduce high-level talents who can rapidly improve the level of disciplines, and establish a set of "open, equal, competitive and excellent" talents. The selection and appointment mechanism of outstanding talents will give key support to the selected discipline leaders, academic leaders and academic backbones, such as providing domestic and foreign research opportunities, encouraging and supporting participation in scientific research projects of first-class universities and high-level scientific research institutes at home and abroad, improving academic level, and urging discipline echelons to carry out regular academic activities[3].

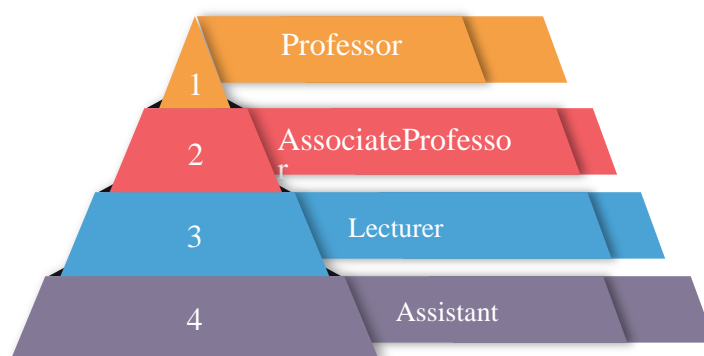


Figure 1. Echelon construction

4.2. Refine the subject direction and build the characteristic and advantage subject

The condensed research direction of discipline is the foundation and forerunner of discipline construction. When choosing the direction of key disciplines, we should pay attention to the following points: we should fully foresee the trend of discipline development, give full play to our

own characteristics and advantages, constantly create high-level scientific research results, and enhance the ability of Application-oriented Undergraduate Colleges to serve the society and regional economy[4].

4.3. Strengthening scientific research and promoting discipline development with projects

Scientific research is an important way to improve teachers' academic level and teaching quality, and also the carrier of subject construction. As school H is a newly established undergraduate school, it is necessary to further strengthen the scientific research atmosphere of the school, strengthen the scientific research awareness of teachers, and enhance their enthusiasm for scientific research.

4.4. Perfect the system of discipline construction and the mechanism of discipline development

We should make a good discipline construction plan and make clear the objectives of discipline construction. The discipline construction plan shall be formulated according to the characteristics of "engineering oriented" and "application-oriented" of school H, in close combination with the needs of regional and industrial development, and the school objectives, functional department objectives, secondary department objectives and teachers' personal objectives in the discipline construction plan shall be connected and coordinated to form an integrated and consistent target system with clear responsibilities[5-6].

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