

The Construction of Evaluation Index System of University Teachers' Education Subject Group

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Abstract: To evaluate the teaching quality of college teachers, we should consider the contribution of teaching to students' future adaptation to social development. Therefore, the evaluation of college teachers' teaching quality should not only consider the teaching quality of a class and the stability of long-term teaching, but also pay attention to the evaluation of teachers' teaching ideas. Based on this, suggestions are put forward to improve the evaluation of classroom teaching quality. The study found that how to scientifically design the evaluation indicators of classroom teaching quality, reduce the incompleteness and subjectivity of the evaluation, and improve the incentive mechanism of teachers' teaching are the key to the fair and objective evaluation of teachers' classroom teaching quality.

Keywords: Evaluation index system; teachers' education; subject group

1. INTRODUCTION

One of the outstanding characteristics of teaching quality is its uncertainty and difficulty in quantification, so it is difficult to operate in teaching practice, especially in the practice of modern teaching evaluation. Therefore, teaching management and teaching research workers have many disputes about the evaluation of teaching quality of university teachers, but this cannot be the reason for not paying attention to how to evaluate. Obviously, to scientifically and objectively evaluate teachers' teaching quality, we need to have an appropriate evaluation index system, which is based on the understanding of the meaning of teaching quality. Therefore, before discussing the evaluation index of teaching quality, we should first analyze the meaning of teaching quality.

As a place for economic development, social progress, and the provision of talent guarantee and intellectual support, colleges and universities should speed up the reform of talent work system and mechanism, and cultivate a high-quality, innovative, and creative talent team with international competitiveness. So, as an important part of teaching quality in colleges and universities, the quality of classroom teaching has a subtle impact on the construction of colleges and universities, the improvement of teachers' teaching level, and the development of talent training. Factor analysis is a technology of data simplification. It explores the basic structure of the observed data by studying the internal dependence among many variables and uses a few hypothetical variables to represent its basic data structure.

These hypothetical variables can reflect the main information of many original variables. The original variable is an observable explicit variable, while the hypothetical variable is an unobservable potential variable, which is called the main factor. Teaching evaluation is an activity that judges the value of the teaching process and results according to the teaching objectives and serves the teaching decision-making. It is also a process of studying the value of teachers' teaching and students' learning. The evaluation of classroom teaching quality refers to the evaluation of the object objects that appear in the implementation of classroom teaching. Its value lies in that

classroom teaching evaluation is an important means to promote students' growth, teachers' professional development and improve the quality of classroom teaching.

Evaluation index system of university teachers' education subject group is shown below (figure from the Internet).

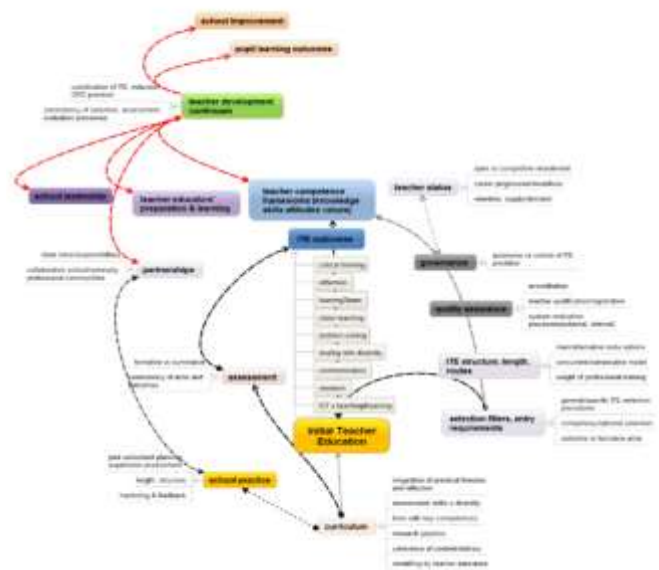


Figure. 1. Evaluation index system of university teachers' education subject group

2. THE PROPOSED METHODOLOGY

2.1 Research on Evaluation Index System

Through the table, we can clearly see the contents of the evaluation index system of teaching quality of college physical education teachers. However, in the specific operation and implementation process, we should focus on which item and which item is the main reference index, and its weight value is a good proof.

What are the teaching quality evaluation indicators that experts attach importance to? We believe that the larger the weight index, the higher the degree of attention of experts, scholars, and teachers; On the contrary, the smaller the weight index, the lower the attention of experts, scholars and teachers. We believe that the goal of teaching quality in ordinary colleges and universities is to cultivate high-quality, high-quality, and innovative application-oriented talents with high sense of social responsibility, strong social competitiveness and creativity, and sound development of personality and personality.

(1) Therefore, the goal of teaching quality in colleges and universities is to train college students to better adapt to the society in the future and constantly realize their self-worth in a highly competitive society.

(2) Teachers often give lectures to students from different colleges and different professional classes. Even the same teaching content may produce mixed evaluation results in the evaluation of students from different colleges and different professional classes.

(3) Students' evaluation of teachers' classroom performance is inevitably affected by their own professional background, even the interference of subjective factors, which makes students' evaluation standards of teachers different. After establishing the hierarchical structure model of teachers' teaching quality evaluation, the next step is how to determine the weight of secondary and tertiary indicators in the overall goal.

2.2 The Concrete Construction of the Evaluation Index System of College Teachers' Classroom Teaching Quality

The secondary indicators are the main factors obtained by factor analysis on the indicator layer, so the weight of the secondary indicators on the target layer can be determined by the contribution rate a_i of each main factor to the total target. The contribution rate a_i is the contribution degree of the main factor to the total target, and indicates the percentage of the total target information. Therefore, it is reasonable to use the contribution rate as the weight of the secondary indicator on the total target. In the weight design of each index in the index system, the more advanced analytic hierarchy process (AHP) is used to decompose the weight.

The weight coefficient determined by AHP is a stable and reasonable weight coefficient, which can organically combine qualitative and quantitative data to conduct comprehensive and systematic analysis and evaluation of indicators. It is more scientific than the expert consultation method that determines the weight of evaluation factors solely based on experience; We can make full use of the results of expert consultation, comprehensively analyze the results of the evaluation of indicators at all levels by experts and use fuzzy mathematics to establish a mathematical model. Clear teaching objectives are the first step of teaching design. Only when the objectives are clear can teaching proceed in the expected direction. In addition, the design of the teaching process is reasonable and cannot be ignored. It is not enough to have the objectives, but also to have specific plans to achieve the objectives, Reasonable design of teaching process is the specific plan to achieve teaching objectives.

At present, characteristic teaching has been put on the agenda. How to stand out from the stereotyped traditional physical education teaching needs to be featured, which can be seen from the questionnaires of experts, scholars, and college

physical education teachers; Most people advocate bilingual teaching. Each teacher has his or her own understanding of his or her major, curriculum, and even other aspects of social life. Then, in the process of imparting knowledge or skills to students, teachers will inevitably reveal their own ideas, impart teachers' views on everything to students, and directly affect students' behavior and ideas. Each evaluation subject performs its own duties, implements the evaluation task according to the school regulations and timely feedback. The results of students' evaluation of teaching will be fed back by the Academic Affairs Office to the college before the end of each semester; Peer evaluation is carried out by the college itself, so the college only needs to give feedback directly to the teachers; The school supervision evaluation is conducted once every two weeks, and the Academic Affairs Office reports back to the college. The college supervision evaluation allows the college to directly report back to the teachers.

3. CONCLUSION

Paying attention to teaching ideas is an important embodiment in the process of quality education. However, there is no unified understanding of the concept and evaluation of teaching ideas at present. Therefore, this paper emphasizes the importance of teaching ideas in the evaluation of teaching quality, and only plays a role of "throwing bricks to attract jade". Paying attention to teaching ideas is an important embodiment in the process of quality education. However, there is no unified understanding of the concept and evaluation of teaching ideas at present. Therefore, this paper emphasizes the importance of teaching ideas in the evaluation of teaching quality, and only plays a role of "throwing bricks to attract jade". The determination of indicator weight also comes from the statistical analysis of the questionnaire data. The values of each indicator are derived from mathematical transformation rather than subjective determination. Therefore, the evaluation results are also more objective and accurate, and can more truly reflect the teaching quality of teachers.

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