

Research and Exploration on the Informatization Reform Scheme of Curriculum Examination Management

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Abstract

This paper aims to solve the problem that the teaching management process depends on paper and is inefficient through the reform of curriculum examination. The teacher proposition review process is inefficient and the information is not accurate enough. By optimizing the process of curriculum examination implementation and management, we can improve the efficiency of curriculum examination.

Keywords

Information Reform; Curriculum Examination; Management Process.

1. Introduction

At present, curriculum examination is an important part of all kinds of education and teaching at all levels in China[1]. With the in-depth promotion of educational reform, the goal of cultivating socialist builders and successors with all-round development of morality, intelligence, physique, beauty and labor should be realized through curriculum learning and curriculum examination[2,3,4]. As an important part of teaching evaluation and curriculum teaching, curriculum examination is not only an important guarantee for teachers to obtain teaching feedback information and improve classroom teaching effect, but also an effective means for students to adjust learning strategies, improve learning methods, improve learning efficiency and achieve good learning effect. As one of the most important links in the whole teaching process, curriculum examination management is an important reference basis for detecting students' mastery of knowledge, evaluating teachers' teaching quality, teaching feedback and teaching reform. At present, the implementation of curriculum examination management basically depends on paper face-to-face signature, the process is cumbersome and inefficient, and the precious examination related data can not be used effectively, which is embodied in the following aspects.

1.1. The Management Process

(1) The teacher proposition review process is inefficient. At present, the proposition audit adopts the offline audit method. The path of the paper manuscript is proposition teacher audit teacher audit leader. In many cases, the intermediate links need to be transferred by the teaching office. The process is cumbersome and inefficient. In addition, repeated printing is often caused by small errors such as typos, format, template replacement, and even punctuation, wasting time and paper.

(2) The processes of students' application for postponement of examination, performance review and notice of disqualification require students to submit paper applications, and involve multiple links such as teachers, counselors and college leaders to sign for confirmation, which is inefficient, and the handwritten content is easy to make mistakes or admit mistakes.

1.2. Examination Paper Analysis Feedback

Examination is an important part of the teaching process. It is not only to get students' final results, but also to feed back teaching through test paper analysis and improve teaching quality. At present, with the end of archiving, the analysis of course examination papers is submerged in paper archiving materials, reduced to data dust, and the data value can not be reflected, let alone meet the needs of feedback teaching.

1.3. The Information Property

(1) The reminder intensity of students' examination style and discipline is weak. Through the group transmission of counselors, teaching secretaries and class committees, there are too many links, the information is easy to be swiped, and the students cannot be effectively notified. For example, it often leads to some students not knowing that they can't enter the examination room after being 20 minutes late and miss the examination opportunity. Some students do not know the seriousness of the cancellation of the degree due to violation of discipline in the examination, thinking that it is only a warning and demerit recording punishment, and the wrong cognition breeds fluke psychology, resulting in serious consequences.

(2) Academic early warning: academic early warning is based on students' test scores, including semester academic early warning and academic year academic early warning. It is only publicized for students in the dangerous range, while other students, especially students on the edge of early warning, cannot know their credit acquisition. The academic early warning results of the academic year depend on the academic early warning results of the semester. The staff can only query and screen from the historical table, which is inefficient.

2. Reform Ideas

As one of the most important links in the whole teaching process, curriculum examination management is an important reference basis for detecting students' mastery of knowledge, evaluating teachers' teaching quality, teaching feedback and teaching reform.

Optimize the process of curriculum examination implementation management and improve the efficiency of implementation management. On the one hand, let teachers alleviate the trouble of complicated signature, format adjustment and repeated printing, and put more energy on the test paper proposition to improve the proposition quality; On the other hand, simplify the signing process of students' various paper applications, and adopt online application review to improve work efficiency.

Make effective use of examination data and feed back teaching. Conduct electronic management of examination data and set up examination result database, which can analyze the data of the current semester, and the analysis results can be used to guide the teaching of the next semester and form an effective feedback mechanism. It can also be used to query and use historical data, so that the data can reflect its due value and no longer be silent.

Improve the effectiveness and accuracy of information. Investigate and select an effective notification mechanism to remind students of various precautions. Establish an electronic file for each student, which can include the courses and credits completed in this semester and the total credits to be taken. If an early warning is reached, it shall be indicated directly in the electronic file.

3. Characteristics and Innovation

College curriculum examination plays an important role in "teacher teaching", "student learning" and "school management", such as checking and evaluating students' mastery of curriculum knowledge and skills and their ability to analyze and deal with problems; Check the

teaching effect of teachers and the achievement of school education objectives; Feedback prediction: teachers and students can reflect on the contents to be paid attention to in teaching through the test results, and predict the development tendency of their abilities and levels.

Optimize the management process and improve the implementation efficiency. On the one hand, let teachers alleviate the trouble of complicated signature, format adjustment and repeated printing, and put more energy on the test paper proposition to improve the proposition quality; On the other hand, simplify the signing process of students' various paper applications, and adopt online application review to improve work efficiency.

Establish information feedback mechanism. The electronic management of examination data is convenient for statistical analysis to guide the teaching of the next semester and form an effective feedback mechanism. It can also be used to query and use historical data, so that the data can reflect its due value and no longer be silent.

Improve the notification mechanism and improve the effectiveness and accuracy of information transmission. Investigate and select an effective notification mechanism to remind students of various precautions. Establish an electronic file for each student, which can include the courses and credits completed in this semester and the total credits to be taken. If an early warning is reached, it shall be indicated directly in the electronic file.

4. Specific Practical Scheme of Teaching Method Reform

4.1. Reform Objectives

As one of the most important links in the whole teaching process, curriculum examination management is an important reference basis for detecting students' mastery of knowledge, evaluating teachers' teaching quality, teaching feedback and teaching reform. The reform objectives of this educational reform project are:

- (1) By optimizing the process of curriculum examination implementation management, teachers can alleviate the troubles of complicated signing, format adjustment and repeated printing, focus more energy on test paper proposition, improve proposition quality, simplify students' various paper application signing processes, and adopt online application review to improve the implementation management efficiency.
- (2) Through the electronic management of examination data, historical data can be effectively used to form an effective teaching feedback mechanism.
- (3) Through an effective notification mechanism, remind students of various precautions, and establish student electronic files for each student. The contents can include the courses and credits completed this semester, as well as the total credits and academic early warning related information, to make students aware of their academic situation and improve the effectiveness and accuracy of information.

4.2. Reform Content and Method Initiatives

The reform contents and methods are as follows.

- (1) Reform content: optimize the implementation management process. Methods and measures: the reform of curriculum examination implementation management involves teachers, students and staff. According to the needs of the early stage of the reform of the implementation management process, we need to conduct full and comprehensive research, summarize the opinions of all parties, form multiple process schemes, and then be evaluated and reviewed by industry experts, teachers and students to select the best scheme.
- (2) Reform content: establish teaching information feedback mechanism by means of electronic data and informatization. Methods and measures: consult a large number of teaching feedback related materials, investigate other colleges and universities, collect teaching information

feedback methods, and form a feedback scheme in combination with the actual situation. In addition, through research, we can fully understand the modern teaching management means and tools, sort out the advantages and disadvantages of the existing tools, and select the most appropriate tools.

(3) Reform content: establish an effective notification mechanism. Methods and measures: establish student electronic files for each student, which can include the courses and credits completed this semester, as well as the total credits and academic early warning related information, so that students can know their academic situation and improve the effectiveness and accuracy of information.

4.3. Specific Implementation Steps

(1) From June 2020 to December 2020, data collection, information research, integration and summary will be carried out.

(2) From January 2021 to January 2022, the optional scheme shall be formulated in combination with the actual situation, and the final scheme shall be determined based on the best scheme evaluation.

(3) From February 2022 to June 2022, write research reports and teaching reform papers, and prepare for final acceptance.

5. Expected Results

As one of the most important links in the whole teaching process, curriculum examination management is an important reference basis for detecting students' mastery of knowledge, evaluating teachers' teaching quality, teaching feedback and teaching reform. Through this educational reform project, the expected research results are as follows:

(1) Establish a set of optimized management scheme for curriculum examination, form research reports, improve the work efficiency of examination related auxiliary processes, make effective use of valuable historical data, and let teachers and students focus more on teaching and learning.

(2) Expected application and promotion effectThe object of this teaching reform is all teachers and students of Media Engineering College. It is expected to form a practical optimization reform scheme to facilitate teachers' teaching and students' learning. More than 100 teachers and more than 2000 students have benefited.

References

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