Information technology teaching of university about evaluation formula research

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Abstract
The learning outcomes about assessment of students, many people according to different subjects have researched. With the deepening of computer basic knowledge, basic computer skills assessment and practical application of social contradictions appear ceaselessly, assessed undergraduate through different ways are the deviation from the actual. Therefore, a set of effective ways become effective evaluation of the premise.

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1. introduction

Our countries according to the needs of society, organize the implementation of computer grade examination examination, the local colleges and universities according to the national level exam requirements and actual application and formulate related assessment details. Mainly include: the theory of evaluation, Knowledge to remember ability; Technology assessment, practical application ability.

2. Course teaching analysis

2.1. The theoretical examination content analysis

In the basic requirements:
（1）It must have basic knowledge of computer, criteria of assessment is when you really figure out how much you know and don't know.
(2) Understand the basic composition of micro computer system, it is mainly assessment to the understanding of the students of computer hardware level.

(3) It must have the computer security use and computer virus prevention knowledge, mainly examine students for computer security use common sense and understanding of the virus.

2.2. Practice examination content analysis

In the basic requirements:
(1) Understand the basic functions of the operating system, and master the use of Windows method, the main cause the student to the operation of the system has the thorough understanding.

(2) Understand the basic knowledge of Word table processing, and master the Windows environment Word and Excel (or WPS) of the basic operation, grasp a Chinese character input method. Here the familiar keyboard mainly examine degree, after making a foundation for typing; Assessment mainly examine word document layout, for the following text typesetting about the word; Examination of the electronic form mainly examine excel use, for the following form comprehensive use of making a foundation,

(3) Understanding the basic concept of computer network and master the Internet and E-mail about the use of the browser. In daily information exchange, the mail receiving is a common way of communication; But mostly the goal is to help them improve their email and web skills.

2.3. Question topic distribution points

Based on the above content analysis, test mainly are several types about the national computer rank examination level 1 B.

Basic theory, accounting for 20 points, mainly examines the students memory and understanding.

The operating system, accounting for 10 points, mainly examines the basic operation of windows xp;

Chinese character input, accounting for 15 points, mainly examines the student speed of the input and the keyboard proficiency;

The use of the Word is about Word processing software, accounting for 25 points, mainly examine Word processing software skilled typesetting;

The use of Excel spreadsheet, accounting for 20 points, the main assessment form data processing;

Internet network use, accounting for 10 points, mainly examines about web browsing, retrieval, save etc, and the sending and receiving e-mails.

Table 1 level 1 B type and the examination score
### Serial number | score   | questions type
--- | --- | ---
1 | 20 | choice question
2 | 10 | windows xp
3 | 15 | input
4 | 25 | Word
5 | 20 | Excel
6 | 10 | Internet and email

3. Teachers' teaching countermeasures analysis

According to above analysis, can use the corresponding evaluation method of the training, overall evaluation formula is: The total evaluation results = percentage theory result * 20% + percentage practice result * 80%.

The aspect of theory, the teacher make use that combines classroom way, to improve the students' ability to analyze and solve problems.

In class, by means of random questions, Class homework and so on to raise the students' active learning awareness, and become the passive to active. In the process of random questions, students in order to be able to correct problems, through the initiative seeks knowledge, improve the knowledge of the attention, reduce speed forgotten, through the way, can not only enhance the teacher's availability, efficiency, and make the teaching effect, efficiency greatly improved, arouse students' mind active participation, consolidate the classroom knowledge.

Outside class, around the country level exam content, using previous exams as the foundation, actively building questions as the center of knowledge, Inside and outside the class unify, There are many concrete ways, learning to use it live. Through the examination to all students, analysis problems, and all the things can improve students' knowledge, grasp the knowledge.

According to above analysis, take the corresponding evaluation formula is: The theory results = percentage theory result * 40% + at ordinary times the theory final grade * 60%.

In practice, students through the study the knowledge to improve students' practice ability.

Through the analysis of knowledge, national first class level test scores 80% are in operation skills, improve operation accuracy and speed is necessary. Traditional methods are all is on theory and practice class computer to practice. Teachers often feel, as long as the class and computer time is close to the arrangement, they will be able to realize the combining theory with practice. In fact through the study, many teachers and students think, teachers and students practice of computer network operations should operate inside the classroom, so that can speak with practice with class, then find time to consolidate, improve and skilled operation skills.

According to above analysis, take corresponding evaluation formula is:

The practice result = practice at ordinary times result * 40% + practice your final course grade * 60%.

Based on the assessment, often can not only with the question paper achievement to decide the students master degree, also can't simply use result about computer operation test.

Based on fairness, take account of all the students as a starting point, the theoretical examination should take class assignments evaluation and class examination to realize the weighted average. Through the survey and analysis, Performance in class is better than outside, so, Weighted value is bigger in the class than outside. Based on the theoretical results have 20 points, class assignments can be decorated four times, points average scores can, average numerical finally weighted can be between 5% ~ 8% floating, that is usually can give 5 ~ 8 points as extracurricular peacetime record; The theory of class of
evaluation, using a range of many times to average, homework can be used four times, from points average scores can, average numerical finally weighted can be between 12% ~ 15% floating, That class can be used as the final can give 12 to 15 points; In order to reflect on the lessons of the authenticity of the results, a question about as far as possible is not the same as before.

According to the discussion above, can give evaluation formula is:

Theory at ordinary times result = (usually a n time result/n times) * 40%, theory final grade = (n time percentage final grade/n time) * 60%.

Practice examination scores accounted for 80% of the grade, is the most important part of it. The teacher evaluated the performance of each student through a multiple choice and true/false questions Final Exam. Through the past experience, according to the national assessment of operation of different score distribution, and give different weights. In ordinary computer examination, it must try to make one’s best to assessment in each unit. Achievement qualification for more than 60% of the total grade, it can want to do 5 times. Usually inspects accounted for 40% of the total grade, The final result accounted for 60%, so, Windows xp accounted for for four points, Typing accounted for six points, Word accounted for ten points, Excel accounted for eight points, Internet accounted for four points.

According to the discussion above, can give evaluation formula is:

The practice result = Windows xp + Typing + Word + Excel + network;
Windows xp = (operant score / Total score) * The practice operation total operation * 40%;
Typing = (Typing score / Total score) * The practice operation total operation * 40%;
Word = (Word score / Total score) * The practice operation total operation * 40%;
Excel = (Excel score / Total score) * The practice operation total operation * 40%;
Network = (Networ score / Total score) * The practice operation total operation * 40%;
Practice for final grade = final grade * 60%;

4. Epilogue

From the above, This thesis puts emphases on how to assess the music learning of students scientifically and effectively. how to use positive evaluation actively mobilize students' learning motivation, eliminate the bad influence factors that we learned of contemporary university students knowledge to the needs of social development, is our information technology teaching the teacher research task. If in the evaluation can reasonable and effective means, it is bound to in the students' learning motivation positive impact, which causes the harmonious atmosphere between teaching and learning, to teachers, students and social win-win purpose

Reference