

The Analysis of Curriculum Teaching Methods of VB Programming

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Abstract—As a public basic course of non computer, VB Programming has a strong theory and practicality and teaching difficulty. According to the actual situation in the course teaching and the features of this course, combining it with the teaching practices, this article emphasized on how to improve teaching qualities and cultivate the development ability of the students to comprehensively apply the programmes.

Keywords-VB; Programming; Teaching Methods

I. INTRODUCTION

VB(Visual Basic), on the basis of inheriting the advantage easy to learn of BASIC language , adopting visible and driving programming methods to the facing objects and matters, making it more convenient and prompt in designing all kinds of application program under windows environment. At present, many college have set up the course of VB Programming, and made it an important part in computer teaching for those who aren't major in computer.

There exists a high degree in difficulty for teachers to finish the task the program design of procedure-oriented's algorithmic language and object-oriented programming of visible interface design in 64 class hours' teaching process for the course of VB Programming. If we on the basis of the traditional teaching methods of programming language: giving the grammar, explaining it and showing the steps , maybe it will leave students an impression of "abstract, boring and useless" ,thus make students have a feeling of "afraid of the difficulties" . In the meantime, after learning the course, the majority of the students only grasp the basic grammar, control and using methods of the objects. However, they can't comprehensively apply VB Programming to solve problems meeting in real works. In allusion to these situations above, the writer make a clear improvement in teaching effect by adopting the teaching method, An ounce of examples teaching method is worth a pound of the other teaching methods in my ten years' teaching procedure of VB Programming.

II. THE APPLICATION OF VB PROGRAMMING'S COURSE TEACHING METHODS

A. Finding out students' conditions

Teaching is a interactive procedure between teachers and students, examples teaching method lay stress on students' participation extremely. If you want a perfect

result in teaching, first of all, you'd better know well students' conditions , this include the following aspects:

- The related courses learned before, such as "An Introduction to Computers", "Programming in C" and so on. The mastery of these Preparatory courses is the premise of learning this course and it will influence the study of the latter.
- The classifications of students' biogenesis. The biogenesis of our students has two types mainly: senior general secondary schools and vocational schools. Because the difference in students' biogenesis, their literacy are uneven, this will exert a great influence on teaching inevitably. As a teacher, in addition, I should pay attention to students' grasp of knowledge in class in order to adjust the difficulty of examples to students' level.
- Students' interest to this course. pedagogic psychology regards that, study motivation is the psychological agent of driving and supporting human's study, and the major element of study motivation is study interest .If teachers want to get perfect teaching result, at first, they should know students' interests upon this course in order to choose examples according to students' interests in examples teaching method and improve their interests.

B. Using masterstroke type examples penetrating the whole teaching procedure

VB Programming's teaching content mainly made up of three parts, namely programming language 、 visible interface design and synthetically application of programming. Therefore, we choose different kinds of examples to accomplish our teaching according to the above three parts' own characteristics.

In VB teaching, students always put up the questions like "Why should we learn these knowledge and what are these for", because the boring content and it exists a disparity with realistic application. What leads to this is that the students are short of the ability to synthetically apply the VB knowledge. During the teaching exploration of examples teaching method, I find that if you make a large-scale and high-use value applicative system program as the masterstroke type examples, and run through the whole teaching procedure, it is not only helpful to improve students' study interests, but also conducive to heighten the ability of synthetically apply to the VB knowledge .While I start the course I induct a masterstroke type example which run through the whole book. I lay emphasis on introducing these application program-

mers function can achieve by which part of the knowledge in the book, in the meantime I show them the function of every part in the application program. Thus, make students have more clear destination in their study. Along with the propulsion of teaching, we can ceaselessly use the new-learned knowledge to perfect the masterstroke type example in intrinsic functions and better it in structure. Meanwhile, put forward new requires in function and structure. In order to reach the new-designed target, students will throw themselves into practice of debugging and prompting the masterstroke type example actively. During the process of designing and prompting this example, students go through the procedure from simple to complex, from guided by teachers to think by themselves and operate independently. Finally gradually perfect their own knowledge system, and greatly heighten the ability of synthetically apply to the VB knowledge.

C. Adopt other types of example to add the main to enrich the teaching content

In the VB Programming, we should center on the living example teaching, in addition, we should use the other example to enrich the teaching content. The language design of VB introduce the basics, grammar, program. In this part, we can adopt teaching contrast to make a contrast with the learned language design and VB. As follows: develop the interface of the platform, the basic structure of program. The controlling sentence, ect. then, we can use the teaching example to strengthen the basic practice of the program design. It contains the structure program design, the achievement of usual algorithm. The applied knowledge emphasis on the new concept of the program language. For instance, object, class, property, method and event, ect. Introduce the idea of program design to make the students to distinguish the difference and relationship between procedure design and language design. To grasp how to make the code of the program appear in the process, and also to connect the property, event, method of VB.

VB is a visible program language, system provided rich documents to supply much more space for consumer to do with program interface design, so all kinds of basic controlling software is Important and difficult of the VB teaching. If we use the former teaching method in less comparative time to introduce the property, event, method, we have to use the stuffing teaching method. It must lead the students feel very monotonous and boring, worse still they lose the interest in the study. In order to avoid the situation, we divide them into groups according to the features and functions. Secondly write a example to deal with every document. After showing the application and function of example. When we explain the special property, event, method in the point of practical using, students will have curiosity and interesting to learn more and comprehend these documents.

III. THE PROBLEM OF TEACHING PROCESS

In the teaching process, should take the following three aspects.

A. Choose the suitable example is the key to improve the effects of teaching.

Due to much scattered knowledge of VB, so choose the suitable example is the key to improve the teaching. For example, when choosing the knowledge example, we should ensure to arrange the knowledge under the teaching system, cut the quantities to avoid the student feel tired. In choosing the practical example, we should not only emphasis on the interesting and practical usings, but also to center on the controlling situation of the VB language design, to avoid that the students can not understand and comprehend cause it is complicated. At the same time, the choosing of these two example, we should lay emphasis on the main line to develop it. This helps to motivate the interesting of study, to cultivate the students' ability of putting forward questions and, analyze and solve problems.

B. The combinative use of various kinds of teaching methods

Though examples teaching method have a better teaching effect in teaching procedure, we can't blindly adopt this teaching method. We should put other means into use based on the difference in teaching content. Here are the other means:

- *a)Questioning:* Through putting forward questions, analyzing and solving problems to train students' abilities of using program language to think questions. Mainly used in programming algorithm and analysis teaching.
- *b)Contrasting:* Through the contrastive explanation for those programming language under Windows platform, making students better control the program principle of VB object-oriented driving mechanism.
- *c)Discussing:* Adopting this method while expounding masterstroke type example can improve students' self-study and the ability of unity and cooperation.

C. Arousing students' initiatively and positive

In pedagogy, teachers should pay attention to arouse students' initiatively and positive. In the mean time, knowing students want to learn knowledge in which aspect and observing students' attitude in the class at any time to make sense of the level of students' cognition, and add or decrease the examples when it is necessary. For those who grab well you can encourage them and, for others, we may mainly lay emphasis on directing them and make them practice on computer by themselves, for who are short of self-awareness you should enhance examination and urgency.

IV. CONCLUSION

On the condition of modern multimedia technology, VB Programming course adopt the teaching method, An ounce of examples teaching method is worth a pound of the other teaching methods, could arouse students' thirst for knowledge effectively and inspire their further discussion and conclusion for learned knowledge via the analysis to examples' designing thought and realization method . What's more, making students better grab the programming theory and methods of VB programming [3]

language and improve teaching effect and quality efficacious.

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