

Course Based on Information Platforms and IMS Group Course Assistant and Flip of Task-Driven Teaching Mode Research

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Abstract. For today's information age, come to a variety of information platform, a variety of large data. Increasing demand not only for the quality of talent and increasing demand for the information systems and data analysis. On University talent training of quality see, annual graduated of many computer professional graduates cannot reached employing units of requirements, main performance in although graduates most has large of professional theory knowledge, but lack of experience which is very closely related to professional, which caused talent training and social needs phase out, so how to improve graduates of practice capacity, team collaboration capacity, innovation capacity, information processing capacity and data analysis capacity is the main problems talent training faced to. So much-needed innovation in traditional teaching mode, we are here now put out the education mode flips under curriculum Assistant and task-driven, which takes use of the information age. In the present information age, by students, curriculum Assistant and teacher triangle relationships to promote student learning, change the knowledge what his teachers constantly teach to self-learning, the teacher only take part of counseling role. As senior students be course assistants not only urged the juniors to learn, or you can drive the learning interest of students in the lower grades, help them to more clearly understand their own professional, aware of their future. Teaching assistants can also improve communication skills and management capacity. For teachers, may be more easily educated students.

Introduction

In this information age, increasing pace make University student's proficiency requirements become more sophisticated. Although most of the graduates have a lot of professional theory knowledge, but lack of experience which is very closely related to professional, resulting in talent cultivation and social demand out of line, so how to improve students practical ability, teamwork, innovation ability is major problems talents facing to. In order to solve the above problem, we propose a course Assistant and flip of task-driven teaching mode.

Sichuan agricultural University, computer science and technology specialty excellence model professional engineers, Sichuan province was listed as key construction, students of the computer based on present information, data are very interested, so we combine the courses information platforms and IMS group management, added with high grade curriculum Assistant, help the students to complete the task, in the task of learning. Not only easy to learn, and to improve practical ability, teamwork and creativity.

The Course Assistant and Feasibility of Task-Driven Teaching Mode of Flip

Course Assistant and flip of task-driven teaching mode is the core of the cultivation of students' autonomous learning. The teaching of sophomore and junior students, this stage has a certain Foundation and the learning ability of college students can not only improve students' ability to learn, and foster students' communication, innovation, innovation, continuous learning and teamwork, is complementary to the sustainable school students and refinement. Features:

1 Preview of knowledge through books and the Internet, preparing relevant knowledge. Give full play to students' autonomous learning, and constantly improve the students' autonomous learning ability.

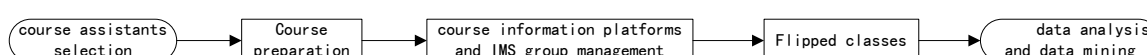
2 Listening questions, preview the results of teachers by students, and then fully explain the theoretical knowledge and problem, and case studies to explain, to excellent classroom and practical technology.

3 Lessons in learning through teamwork and group discussions, to complete the project and task information, system design, and tasks. And course information platforms and IMS group management mode of students' course difficult concerns and solutions.

4 From time to time through the information platform on the learning situation of the students, teaching information, transparent and more efficient, and to continuously improve the teaching content and teaching method.

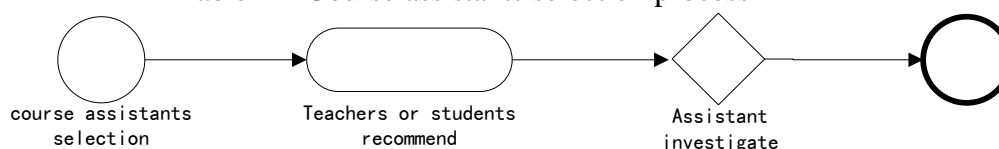
Course Assistant and Flip of Task-Driven Teaching Mode of Implementation Plan

Table 1 Implementation process



Assistant Selection. Excellent students for outstanding student assistants as course assistants and task-driven teaching mode of flip one of the most important figures in, his role is self-evident. Course Assistant must be proficient in the course of, responsible students to serve as, so the selection must be considered carefully. Its selection process in Table 2:

Table 2 Course assistants selection process



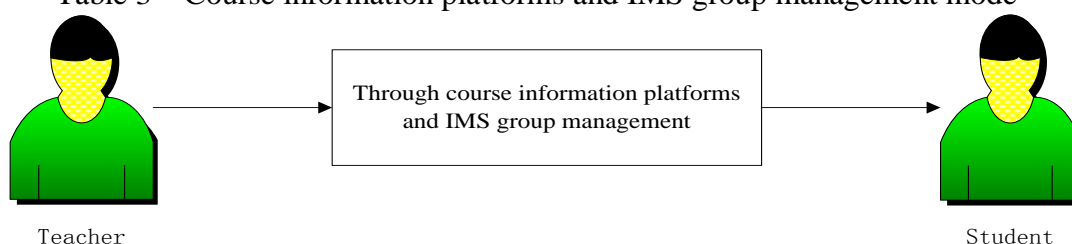
Preparation Courses before the Start of Class. Assistants and task-driven teaching mode of flip, a new mode of teaching with the teaching model has a relatively large difference, in which process becomes more complex than before. The process is as follows:

(1) Point of pupils' interest, curriculum Assistant, as a student, and understand the students' interests and needs better, communicate with their students to avoid the so-called "stride" phenomenon, can more easily incorporate our content guide points of interest to the student, and "interest is the best teacher".

(2) According to the students' interest in making appropriate courseware and practical projects.

Through Course Information Platforms and IMS Group Management Mode of Students' Management.

Table 3 Course information platforms and IMS group management mode



At present our Institute set up a powerful curriculum management platform, and all promotional. Regarding teaching resources and curriculum questions-answers platform as a whole, teacher can publish courseware lecture notes, teaching software and reference materials to students timely, which allow students learning faster.

From time to time through the IMS group management mode for students of management, such as QQ Group, tiny letters. Both online and offline students' questions can be answered in a timely manner, and publish tasks in a timely manner. Do students and curriculum Assistant, course assistants close contact with teachers, instructors and students, and promote the exchange of students and teachers to improve students' ability in communication and continuous learning.

Course Assistant Involved in the Flipping of Task-Driven Teaching Mode. Course Assistant involved in the flipping of task-driven teaching this model is more refined, resulting in a new way of teaching-"S2S", that is, students guiding students. And the establishment of a unique points system, points based on classroom performance, tasks and participate in class question and answer session, as appropriate. After the end of the course, this integral can be effectively converted to the final grade of the course. Classroom implementation process is as follows:

- (1) Class beginning, students on the tasks assigned by the teacher in the previous section.
- (2) Teacher reviews, reviews by the teachers to task completion, and then scored.
- (3) Teachers, by teachers to carefully explain the knowledge, teaching and student interaction.
- (4) Classes end, teachers decorate lesson requires students to complete the task.

This not only solves the communication problems between teachers and students, and solve the problem of students' learning, forcing students to more careful preparation and self-study, the things you learn in practice, more profound, more practical.

As a new mode of teaching, there were some problems in the experimental stage are not avoided, these problems and students' learning through information platforms for consolidation, every once in a while to analyze the various grades and professional learning, plan customized for different professions and grades teaching programs.

On student's study analyzed each month, through the analysis of large amounts of data, concluded that the quality of teaching, and based on the results of the latest analysis to constantly improve the content, thus improving the quality of students' enthusiasm, interest, and learning.

Summary

Paper main tells has courses information platform and IMS group management mode Xia based on courses Assistant and task drive of flip teaching mode implementation program rules, this mode of implementation is divided into excellent courses Assistant of selection, and teaching material of finishing collection, and through information platform gets of data developed teaching program and improved teaching content, and through courses information platform and IMS group management mode on students management, and courses Assistant participation of task drive of flip teaching mode five a part. Each selected course assistants also have psychological quality training and professional skills, is a good way to help teachers to enhance students' professional skills and professionalism. In courses Assistant and task drive of flip teaching mode of smooth implementation process in the, courses Assistant in whole computer professional students skills training in the up to has vital of bridge role, phase compared teachers,, courses Assistant more can understanding and help solution students in learning in the encountered of difficult, to timely to teacher feedback students of learning situation, students also can quickly improve professional skills and professional literacy. View of the flip course assistants and task-driven teaching mode there are still some problems, in the teaching work in the future will be based on the students' feedback to further improve the curriculum as a reference assistant and flip of task-driven teaching mode, complete the student learn to change the way of thinking. While also using new teaching model of the course to stimulate students' enthusiasm for learning, and strengthen its efforts to improve the curriculum information platform for student learning, feedback, full course information platform and data combined, achieve better exchange of students and teachers, make better driven by the students' interest in learning.

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