A Probe into the Problems of Science English Teaching and Learning

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Abstract

Under the background of economic globalization and information globalization, China's higher education has also reformed correspondingly, namely, the internationalization of higher education. In this process, the teaching of professional courses in English (i.e., professional English teaching) as many universities of international teaching methods. However, the research on the implementation of English teaching has not yet been fully carried out. In order to fill this vacancy, this article mainly takes the students who participated in the English course of Jiangsu University as the research object, through the questionnaire survey and individual interview way reveals the problems, difficulties and challenges in professional English teaching, and tries to propose the corresponding solution Teaching methods, so as to provide constructive suggestions for teaching management departments, teachers and students to implement professional English teaching and improve the efficiency of English teaching. In this case,

Keywords: internationalization of higher education; professional English teaching; student demand analysis

1. INTRODUCTION

Economic globalization has expanded the demand for talent in various fields, so that the corresponding exchange of educational resources and academic talents has been a trend in the field of education. In order to adapt to the new changes in the field of education, colleges and universities around the world have been carried out in English as a medium of instruction in professional courses, on the one hand to send their students to developed countries access to richer educational resources, on the other hand through their own Professional English courses absorb talents from other countries. Among them, 29 countries in Europe as early as 1999 has been signed in Italy, "Bologna Declaration", aimed at promoting the European universities teachers and researchers exchanges, promote academic activities, and enhance scientific research competitiveness, narrowing the United States in science The gap in technology development. In this case,

In the process of the internationalization of higher education, professional English teaching plays an important role in cultivating students' language ability, accumulating professional knowledge and improving academic communication ability. However, unlike the specialized courses taught in the mother tongue, there are many problems that may hinder teaching activities or even reduce the quality of teaching in professional English teaching, such as

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students' low level of English and uninterested in professional English courses. In order to improve the effectiveness of professional English teaching, in recent years, many scholars at home and abroad to carry out the study on professional English teaching, and provide a different solution. In this case, The study of English teaching can be divided into two main categories: research from the perspective of teachers and from the perspective of students. In the first category, from the perspective of teachers, most of the researchers are also first-line teaching staff, combined with their own teaching experience in the professional English teaching should be achieved in language goals and professional goals, should use teaching methods, Or in the teaching feedback on the basis of further from the macro point of view of the internationalization of higher education facing the process of internationalization of teachers, international courses, international students and the possible solutions; in the second category from the student point of view, most of the researchers use the method of empirical research to study the difficulties faced by students in different backgrounds and backgrounds of professional English courses from the perspective of students in specific countries or regions. The results show that, in the professional courses taught in English, students generally have difficulties in listening to professional vocabulary, difficult to understand the content of the classroom, do not want to ask questions in the classroom and other issues. In order to improve the students' efficiency of lecture, different scholars have given different solutions to help them familiar with the relevant vocabulary and expression patterns, so as to better understand the content of professional courses and improve learning efficiency. In this case, Although the research in this area has been rich, so far, most of the students from the perspective of the study to the main English-speaking countries as the background, that focus on countries such as the United States and the United States classroom learning situation, and the lack of evidence in Chinese context the study. Therefore, this paper will take the Chinese university students as the research object, take Jiangsu University as an example, to investigate the difficulties and challenges of the students in English (or bilingual) professors, and give the solution in combination with the research results. Program, in order to help students to participate effectively in the classroom, access to knowledge, to help teachers choose the appropriate teaching methods, but also other colleges and universities to carry out professional English teaching activities also have some reference. In this case, this study used a questionnaire-based, individual interviews, supplemented by the way. First of all, Jiangsu University of Science and Technology to participate in the course of science and engineering graduate students, including materials, vehicle engineering, fluid machinery, thermal engineering, chemical and chemical engineering five professional questionnaires were issued 200, the questionnaire by the test themselves to fill out time, As long as according to the specified time can be handed over to the unified; then the 165 valid questionnaires returned to the statistics; then, under the premise of individual interviews carried out voluntarily. Finally, the statistical data and interviews with the results of analysis.

2. The characteristics of science and engineering students English education
   For students of science and engineering, English is more as a tool, rather than the skills to make a living. Therefore, the basic and professional stages of college English education in
China are two inseparable organic unity. The whole process of college English education, the purpose is to train students in their future professional positions have a certain degree of verbal communication skills and listening, speaking, reading and writing skills. Below we will be divided into several specific aspects of science and engineering students English education features.

The basis of the language world, to pay attention to professional vocabulary and professional terms will be directly related to science and engineering students in the professional field of development prospects. Vocabulary learning is a gradual and long-term cognitive process. Although students do not agree with the rote method, but they think the word or to remember and back. Due to the influence of traditional Chinese culture, rote learning is still common in Chinese language teaching. Many science and engineering students reflect the lack of vocabulary is that they face the biggest difficulties in the early school. This requires English teachers pay attention to vocabulary teaching, to help students expand vocabulary. This will help students to solve the hearing, reading, writing, translation difficulties encountered.

In the rapid development of science and technology today, in order to enhance China's academic achievements in the world's influence, science and engineering students with a certain degree of translation and writing ability is very necessary. Especially for those who want to write English articles, to foreign periodicals postgraduate students of science and engineering groups even more so. However, in the current English education for students of science and engineering, the cultivation of students' translation ability is neglected. Imagine, if one can not read the English literature, students will not write in English how to write a good quality, high level papers? Therefore, the cultivation of science and engineering students' ability of translation and writing is one of the important purposes of English education in science and engineering.

3. Conclusion

In a few years of professional English teaching, has been in the listening, speaking, reading, writing these four aspects of comprehensive training students, pay attention to teaching reform and innovation, advance with the times, professional English teaching has achieved good results, students praise. Students through the serious study, review, summary, feedback to master the knowledge, to improve the quality of teaching and learning.

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