Reflections on the polymer material of the English language

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Abstract. Specialized polymer materials are polymer materials English majors in college English teaching essential component, which aims to train students to learn English in a professional capacity as a tool to solve practical problems. Specialized polymer materials for teaching English existing problems, this article from the characteristics of the starting material is a professional English course, many ways of teaching content, teaching methods, students learn the status quo, teachers and textbook analysis of specialized polymer materials, such as English teaching existing problems, and puts forward suggestions and solutions.

Introduction

Professional English is one of the undergraduate courses specified for the student majoring in polymer materials, on the basis of college English; it aims to help students’ use English, learning and contact with foreign related professional information directly. Since the 21st century, with the globalization and the increasing of Chinese and foreign science and technology exchange, the importance of professional English is also growing. In the tech world, English has become a recognized international common language, whether it's reading of imported equipment specifications, refer to the latest documents related to this professional, or in some other international academic exchanges, cannot leave the professional English this tool. Also, many jobs in the society also indicate the need at the same time, with high professional quality interdisciplinary talents and good English communication skills. For polymer undergraduates, therefore, whether to work or further study in the future, to master the professional English language tools are very necessary. This also for polymer materials of professional English teaching put forward higher requirements. [1].

Currently many schools of English teaching for the student majoring in polymer materials there are some problems, such as schedules is less, the lack of suitable for professional English teaching materials, teaching methods and teaching means is monotonous and the shortage of students value. In this thesis, the author combined with material of professional English teaching experience, some problems existing in the course and improvement method put forward some thinking.

Polymer materials science of the main problems existing in the professional English teaching

In present colleges and universities, college English teaching is mainly divided into two stages: basic English and professional English. Basic English teaching purpose is to make students have strong ability of reading and certain listening, speaking, writing and translating ability. The polymer materials of professional English teaching purpose is cultivate students use English materials professional aspects of reading, writing and communication ability. So there is no solid basic English knowledge, professional English teaching cannot be successfully completed, at the same time, the tools of professional English and competent for the practical work.

But the present situation of English teaching students generally attach importance to basic English, despise the phenomenon of professional English. Level of the university English four, six levels of tests for the effects of employment and the social demand for this kind of certificate makes the school students were rendered by four, six levels of tests, students are not put on the basic English and professional English four, six levels of tests are equally important position. Students to realize the importance of learning English is insufficient, is not willing to spend effort, this is the
student to improve their professional English level and one of the reasons for the difficulty in the professional English teaching teachers [2]. The detail is shown in below,

The characteristics of high polymer professional English. Polymer materials professional English is a formal written body, words in the vocabulary more complex and long sentences, and close integration with the professional knowledge, relative to basic English, lack of literature in rhythm, rhythm, read the abstract, boring, teachers' teaching, students learning interest is not high. In addition, most colleges and universities the course would be a elective course, to have passed CET 4 and CET - 6 students, often despised professional English learning, while the basic English poor students lack of learning interest, and the lack of professional English like CET assessment method and the hard Numbers, from a certain extent weakened the position of the heart in professional English teachers and classmates [3].

Unreasonable curriculum, textbook content boring, monotonous. Professional teaching materials from the college program, the most professional English course will be set up in the fifth to the sixth semester, the class of polymer materials and teaching specialized courses are arranged in the seventh to eighth semester, this will result in English and professional courses the phenomenon of touch, the students do not understand the professional knowledge, directly affecting their professional literature in English to understand and master [4]. Browse existing "Materials Science and Engineering English" shows that the majority of the content is "Introduction to Materials Science" or "Fundamentals of Materials Science" in English translation, can be said to disguise course books. In addition, textbook content update rate is slow, and the rapid development of the international materials science is incompatible, so students read up boring, monotonous.

Single teaching methods, examination way. Currently adopted widely in English teaching is words, reading professional literature, translation mode, some teachers even professional English class as "senior English reading", to some extent, although such a teaching mode can improve the students' ability of reading professional literature and mastery of professional vocabulary, but ignored the students' ability to use the language training, and cannot mobilize the enthusiasm and initiative of students participate in class, so the teaching effect [5]. For the course of the evaluation method is more onefold, mostly simple written examination, the written content is mostly include only vocabulary and sentences or paragraphs of english-chinese translation, the lack of listening, speaking, writing, etc.

Textbooks cannot both generality and professional. Polymer materials professional English teaching materials, but textile with high polymer material and engineering related is less, so more difficult professional and general materials to use [4]. According to the foreign original professional books selected several chapters, or already published papers as the teaching material, is combined with professional close, but as a result of specialized, for students new to professional knowledge, hard to understand, to basic English is more difficult for students with lower, so the applicability is not strong, not well improve the interest in learning.

Suggestions on materials science professional English teaching reform

Innovative theoretical classroom teaching methods. Enrich the teaching content, increase the teaching material of novelty and interesting. Professional English teaching of the basic purpose is to improve the students' ability of reading and understanding the professional literature, improve the ability to obtain information from the professional literature, so the professional vocabulary and basic professional knowledge learning is indispensable. Words in the vocabulary, however, the general complex, difficult to read, which requires teachers to guide students to sum up, find out the law. Involved in a large number of professional English words such as materials and derivative, need in the process of teaching the students will have the same meaning of the affix inductive together, similar to the new words appeared in the process of reading, students are encouraged to according to the word-formation guess its meaning, rather than go to see a new word, you could look up information. On the basis of the master a certain vocabulary, teachers should focus on cultivating students' ability of skilled reading professional literature of science and technology [6].

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a. Change the single cramming teaching method; adopt various teaching methods, optimizing the teaching quality. In addition to the traditional teaching methods, but also can use heuristic, question type and interactive teaching methods. In the teaching, want to ask more to the students to think of the time, cultivate the students' self-study ability. For material professional English courses, the difficult passages, sentences or words, by the teacher to explain, earnestly adopt the method; Difficulty smaller part, can let the student to let students self-study, and then to ask the way, in order to test students' learning effect.

b. Using modern teaching tool USES the multimedia teaching aid. Audio, video, film, television, network and multimedia teaching means such as multimedia courseware, the advantages of traditional teaching method doesn't have. Contemporary college students, to the multimedia tools are very interested. Spoke about the content of the fiber, for example, just at that time, the royal Swedish academy of sciences has announced, the 2009 Nobel Prize for physics scientist Charles kao, Willard Boyle and George Smith.

1. Add multimedia content properly. As the new teaching means such as multimedia and network into the classroom, teachers can make classroom teaching more vivid. Taught in plastic processing, for example, the text, the author from the Internet to download a introduce extrusion molding English short play to the students to watch. Because the student has just learned related to the text, so the students show great interest, by reading, listening, retelling, not only to give students the intuitive knowledge of impression, also training the students' listening and speaking skills, many students get the correct pronunciation.

Actually such a good teaching material on the Internet there are many, such as many foreign famous universities are open launched online video courses, if teachers can in the traditional teaching of reading, writing and translating content, appropriate to add some related multimedia content, enrich the teaching content, both also have increased interest in teaching.

Attaches great imp ortance to the role of students' non-intelligence factors, optimize the professional English teaching materials. Student academic performance in addition to memory capacity, observing ability, thinking ability and so on intelligence factors, to a great extent and motive, interest, emotion, will, non-intelligence factors. Therefore, in the emphasis on students' intelligence development and at the same time, also must pay attention to non-intelligence factors of students' intelligence "catalyst".

Push and suggests that the role of non-intelligence factors. In the English teaching materials, teachers must pay attention to arouse the students' non-intelligence factors, guiding the students to understand the students' psychological status and performance, to mobilize their learning enthusiasm, initiative and creativity, make the students' non-intelligence factors such as emotion, will provide power for intellectual activity. Excitation of learning motivation can not only arouse the enthusiasm of learners' initiative, but also to consolidate and develop the knowledge, to lay a solid foundation for future learning.

According to the characteristics of the materials professional English, according to their aptitude. Professional English is different from ordinary Basic English, professional English is characterized by: (1) specialized vocabulary and more difficult; (2) long and complicated sentences; (3) translation difficult; (4) the article strong logicality. In the process of teaching, must fully considering these characteristics, targeted to explain more. Materials professional vocabulary, long length, more in general English learning in university students, most can come into contact with. Many of these is made up of some root with specific meanings, prefix, suffix, such as combination, in the process of interpretation of the words, can adopt the method of decomposition and explain, focus on refining the meaning of the prefix and suffix, lets the student can use the meaning and learn the lines. Professional vocabulary has its specific meaning in the professional articles, such as in concrete material, the meaning of the word "place" is "pouring", meaning "cure" is the "curing". According to the position of words in the article, and fully consider the contents of context, can accurate translation of the word meaning. The characteristics of the professional English sentence is very long sentences, all kinds of passive sentences, inverted sentences and clauses to use very much, it increases the difficulty to students for understanding the sentence meaning.
Efforts in material professional English teaching in the process of implementing quality education. University is an important period of students accumulate knowledge and broaden the basis, students after graduation, is facing the social recognition and acceptance, their own survival and development, and many other practical problems, so the quality of education is particularly important. In the English teaching materials should make efforts to advocate quality education, to promote quality-oriented education to cultivate the innovative spirit as emphasis, way should be diverse. When the teacher taught to the students, for example, when the issues are particularly interested in can let students to the podium, role exchange between teachers and students, let the students have their own opinion and to show their talents of space, at the same time, students can also exercise their courage and courage, this exercise is indispensable to quality education, is the effective way of improving the quality of individual students. Students in the harvest of knowledge at the same time, the psychological quality also got good exercise [9].

Strengthen the English teaching for the student majoring in polymer materials is the knowledge economy, information society and the requirement of the economic globalization era, is also an indispensable part of training compound talents for the student majoring in polymer materials. Polymer materials professional English teachers must change the teaching idea, change the traditional teaching mode, and set up, the modern teaching mode. Materials professional English teaching should be around teaching purpose, teaching characteristics, careful study of the teaching pattern and so on, the careful design, strict implementation, should give full consideration to the needs of the students' learning, take active measures to scientifically of the content of the material and English teaching combined with purpose. Only in this way, the material of professional English teaching level and teaching effect to improve.

Reforms the inspection way, comprehensive test students' comprehensive ability to use English. Should take the written and oral English test for the student majoring in polymer materials combination, language foundation and application ability, professional literature reading and professional information exchange, document translation and the combination of science and technology thesis writing, however, emphasis students' ability of language use and the ability to use English for professional communication. The author's practice is to exam is divided into two parts: classroom practice + final exam. In the process of classroom practice, encourage students to discuss and answer questions in English [8], and increase the professional literature dictation exercises, improve the ability of students "listening, speaking; At the same time in order to improve the students' ability to use the specialized English, group proposed topics for the virtual innovative experiment, through the English literatures, require students to independent design experiment plan, so as to improve students' reading and translating ability. The final exam is key to select some professional strong, grammatical structure, a typical

Set the depth of the latest science and technology literature reading and translation in English, on the other hand, students are required to follow a prescribed project for professional literature writing, simulation of the practical application to the largest extent way to examine the professional English application ability of students. Test and final exam different emphasis at ordinary times, but can be combined to student's learning effect comprehensive evaluation [9].

The teaching material content should be combined with the actual. At present, some English textbooks for the student majoring in polymer materials is related to the professional, professional wanting; Some textbooks is the English version of the journal materials science foundation or the original English, is a disguised form of professional teaching materials, students learning difficulty is too big. On the selection of the teaching material content, therefore, should not only consider the material professional various research direction, the content of the selected can widely covers this professional vocabulary that may occur.

To strengthen the construction of teachers team. Teachers in material professional English teaching process, to makes necessary explanation of cultural background knowledge, and should make appropriate comparison with native language, so as to let students understand the differences and similarities between two kinds of cultural phenomenon. Teachers should rationally treat the differences between different cultures, improve the cultural quality, and guide students to improve
the understanding of culture and dual culture ability, encourage students to reading professional literature, through a lot of reading, so that the students understanding of the culture become more mature, more comprehensive, so as to cultivate and improve students' cross-cultural awareness. At present, the material of professional English teaching is mainly composed of teaching and research section arrangement, by a certain Basic English teachers. The number of teachers knows both professional and good at English obviously inadequate. This requires schools introduced a series of relevant policies, business study at the same time; teachers need to work hard, without adequate supplies of professional English teachers can be improved [9].

Summary

Above all, learn major material specialized English is an important professional course, is very important to cultivate students' ability to use the language. Under the condition of the limited class hours, improve the quality of polymer materials of professional English teaching must be practical and improve the efficiency of classroom teaching. This requires the teacher to English teaching contents for the student majoring in polymer materials have profound understanding of, outstanding teaching important points, and to fully grasp the students' learning psychology, using appropriate teaching methods, to mobilize the students' thirst for knowledge and initiative. Give full consideration to the needs of the students' learning, science to material science, combining the content of the professional knowledge and English teaching in the process, need around teaching management, teaching material construction, teaching methods, assessment mode seriously study design teaching system.

References