A Case Study on Developments of Globalization in Teaching IT Courses in English

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Abstract. This paper, through the analysis and investigations of development in teaching IT courses in English over the years at School of Management, puts forward some strategies to reform and innovate the teaching methods and brings up some issues like qualified teachers, student’s awareness, enhancements for lab classes and quality teaching materials, and so on. The paper finally concludes that the globalization is the inevitable trend in higher educations.

Introduction

Globalization in the teaching IT courses in English through the introducing, going abroad of the teachers are increasingly popular in China. It is very efficient for students to learn technical and professional IT knowledge in classrooms by taking classes in English. Besides, English teaching materials, experiment facilities and network teaching resources all have been a focus with a series of measures to promote Internationalization of Higher Educations in China.

The improvement for Applying Courses of Computer Technology would inspire other teaching strategy reforms opening for more International students and faculties, which in turn would speed up the process of Internationalization of Higher Educations in China.

Transition Stage of Development at School of Management of SUES

In 2003, establishment of teaching IT courses in English is gradually initiated from the complete Chinese teaching mode to all the teaching materials being English, but still rely on the Chinese interpretation of the difficult concepts and terms of the bilingual teaching mode. At the same time, by using the original English textbooks and original English software for teaching materials, bilingual courses had been popular ever since. These bilingual courses not only enrich the bilingual teaching experience for young teachers, but also expand the scope and depth of bilingual teaching research, and make more and more students experience significance and vividness of the original teaching materials and auxiliary teaching materials. The advantages of the teaching mode have been taken for the teaching language and the inevitable trend of the internationalization of educational development.

Reforms and Development Stage at School of Management of SUES

From 2005 to 2008, with the improvement of teaching conditions, the updating of teaching concept and the internationalization of educational development, the course group has gradually developed the strategies to teach IT courses in complete English in classrooms. In classrooms, teachers usually transform complex English into simple English, insist on relying on English to learn English rather than relying on Chinese to interpret English, or relying on visual models, diagrams with simple English to explain professional terms, or relying on outstanding students as a role model to repeat (English to Chinese, English to Chinese translation), or sometime relying on explaining in English and demonstrating their excellent design work or other measures to help students adapt to the pure English teaching mode. In the meantime, All English teaching methods such as keynote speeches, debates, seminars and model design contest and so on have also been taken in classrooms.

By taking measures above, students will gradually follow the teacher's full English expression and enter the pure English state, especially when the teachers explain to students with eye contacts.
instead of focusing on the screen or blackboard, the effect achieved is obvious. To avoid students paying too much attention on translation from Chinese to English because of the continuous switch between Chinese and English easily leading to confusion, and even misinterpreting some English concepts in Chinese. There is a gap in understanding between Chinese and English translations, especially when the concepts of system model design is not fully understood. At this situation, the main task of the English teaching teacher as a system model is to eliminate the gap with the misunderstanding. The simple, easy and straightforward authentic English inspires students to abandon the Chinese thinking and gradually to return to the mother tongue of the model design - English environment. With the English way of thinking and expression to analyze, design and implement models. Models Design is one of the advantages of English teaching, because it provides the ability to visualize the models and diagrams which are easily understood than the English text materials for the courses.

From this stage, gradually, more young teachers begin to study and exchange in the western countries; course leaders continue to sit in and observe in the classrooms taught by foreign professors in the school's professional English courses, or to directly interview and communicate with the various foreign teachers who teach or visit the Shanghai English Training Center. By exchanging with foreign scholars about cultural differences and teaching experiences, teachers bring these cultural differences and teaching experiences back to the classrooms to enhance teaching methods and English culture to the students. In the maintenance of teaching materials with the open network resources, by a strong timely manners, teachers play a key role in keeping up English language authentic and fresh. From the series of reform measures seen above, the path of reform and development is dynamic and open, and the development trend of international education is also ever changing and updating.

Innovations and New Developments at School of Management of SUES

In 2009 the construction of pure English teaching IT courses has becoming mature over the years of various constructions like teacher internationalization construction, course constructions for foreign students or for both Chinese and foreign students, teaching materials construction, English teaching experiment construction and its network teaching resources construction and so on. The accomplishment of teaching the courses in English is fruitful, including the publication of teaching research papers. In the course of the innovations and development of the courses of English teaching, the pure English teaching in practice highlights its advantages which are high rate of information accuracy, and the actual capacity of the English teaching in limited time units is also higher than the translated Chinese teaching. Because the IT courses materials are usually translated from the original English, some special vocabulary and concepts need to be placed in the context of the original English books so that students can truly understand its meaning, such as object-oriented basic concept examples Instance, Object, Entity, and Domain can be used universally or in different situations in English. It is difficult for students to understand how to use them in Chinese environment if they only look at Chinese characters. There are very commonly used attributes corresponding to the two English words Property and Attribute in different occasions. They depend on different occasions to use different words. These concepts often encountered in the course of IT courses, if directly through the original English to master, students can spare English-Chinese-English circle, especially in English-Chinese translation error (or gap), so that Students in the English environment using the principles and skills of professional knowledge can be used naturally to express in English, over time students in the need to apply English environment will naturally switch to the English mode of thinking, without brains in English-Chinese Between the non-stop switching, both to improve efficiency and reduce understanding errors. In addition, English teaching can eliminate the students to rely on Chinese to learn English knowledge of the inherent habit, to develop international standards in simple English learning complex English.

The practice and research of innovation show that the establishment and practice of the pure English teaching method system, which can virtually balance the input and output of in
comprehension. Therefore, the reforms and innovations of English teaching in colleges and universities are ever growing in trends toward the development of purpose and direction of teaching both in English and Computer.

**Future Development for Internationalized IT Courses in English**

In the international teaching team building, international exchanges and classroom cooperation teaching, teaching materials and teaching material constructions, series of related English course constructions, English learning confidence building for students and teaching tools integration will continue without hesitations in the future.

The courses will be open to a wider range of international students and undergraduates at all levels of the school; website technology updates and improvements will be used to keep up with the internationalization process; Small classes, humanized course design and quality structure of the course groups will fully cater to the needs of students. Besides, Providing a better extra-curricular learning support systems, including the easy access to the various resources such as personalized learning guide, learning ability evaluation and related courses in English, advisory services and publicity, and so on.

**Conclusion**

Through the reforms and innovations, the internationalization of IT courses in English can be achieved as easy, simple, authentic English teaching as possible for the expressions of complex and abstract professional concepts. The use of interactive and heuristic teaching methods, emphasizing the pure English teaching environment, active participation by students, and willingness to show off themselves both in English skills and in computer skills. According to the international cooperation between Chinese and foreign students, the interaction between students and foreign teachers and other international exchange situations has been dramatically boosted, the effectiveness and efficiency from internationally teaching IT courses will be much better than expected.

**References**


