

Analysis on the Construction of English Information-based Classroom Teaching of College Based on Educational Ecology

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Keywords: Educational Ecology, Imbalance, Adjustment

Abstract: After a long period of evolution, development and innovation, ecology has injected a new mode of thinking -- educational ecology -- into today's teaching with a more scientific research mode. Based on the research background of educational ecology, this paper summarizes the theory of educational ecology, also analyzes the trend of college English subject under educational ecology, as well as puts forward relevant ideas of teaching. Further more, based on the interdisciplinary research perspective and the relevant theories of ecology and systems science, this study analyzed and explored the ecology of College English classroom according to the basic ideas of finding, describing, analyzing and solving problems. Finally, it put forward the strategies and measures to adjust the imbalance of College English classroom ecology.

1. Overview of educational ecology theory

From the point of modern academic research results, the central theme of education ecology, is that human beings, human society and ecological environment as the research object, take the concept of the ecological system orientation, cognitive and the law analysis, exploration, mining, trying to find out the ecological related links between nature and human society, and enrich the social philosophy and comprehensive research. In teaching practice, compared with other disciplines, English curriculum also has different degrees of competition or exclusion in terms of curriculum proportion, and allocation of class time, as well as setting, etc. or even though they are all in the same niche, there are still mutually exclusive or competitive ecological relations between them. This shows that the educational ecological environment is not only the educational environment in general under the normal form, but also integrates psychological and physiological environmental factors into the system.

2. The structure and function of college English classroom ecology

2.1. Structural analysis of college English classroom

According to the ecological teaching view, the classroom is a complex ecosystem in which all components (teachers, students and the classroom environment) interact and depend on each other, and even blend and transform each other to form various relationships. In the classroom ecosystem, teachers are the main producers of information (knowledge) within the system, but they are no longer the only producers. In the modern classroom ecology, the teacher is no longer only a producer, but also a consumer and dis-integrator in the system. In this way, teachers and students have three functional identities at the same time. They are producers, consumers and decomposers of information. Through classroom interaction, teachers, students and environment can realize the flow of energy and information.

2.2. Functional analysis of college English classroom

Structure and environment determines the function of the system. Classroom ecology on the morphological structure of teachers, students, the classroom environment formed by the interaction

of the whole, the performance for the system and the external environment on the trophic structure of material, energy, information exchange and transmission, as well as the teachers and students rely on the teaching activities to complete system of material circulation, energy flow and information flow, maintain normal operation of the system. The goal of system operation and optimization is to construct ecological classroom. Combining the performance of classroom ecology and the representation of ecological classroom, we can induce four functions of classroom ecology from the effects of system on internal structure, internal relationship, system as a whole and society.

3. Ecological imbalance in college English classroom

3.1. The status of ecological subjects is out of balance

At present, students have a strong sense of dependence on the Internet, while in the real world, students can not communicate with teachers in time. When confronted with questions they do not understand, they will choose to find answers on the internet, which leads to the imbalance between students and teachers.

3.2. The imbalance between ecological subject and ecological environment

In the traditional teaching, there are not enough conditions to use network technology to improve teaching quality and management, so that the dissemination of teaching resources is limited by time and space. Meanwhile, teaching resources cannot be preserved and extracted from time to time, making students' classroom teaching experience dull and boring.

3.3. The imbalance between environmental factors

Nowadays, under the influence of exam-oriented education, the students' English knowledge in basic stays at the "mute" level, which makes the imbalance between the ecological factors and the environment. Teachers did not provide a good learning environment for students, which greatly reduced students' interest in learning.

4. The construction of college English teaching model from the perspective of educational ecology

4.1. The purpose of college English teaching is to cultivate students' ability to use English.

With the development of society, teachers should improve their teaching level and comprehensive quality, and correct their mentality of teaching, also update their concepts of teaching. What's more, they need to make students learn better in a relaxed environment, and help them participate in teaching then increase students' interest instead of still using the traditional teaching of "one speech and one lecture". For example, teachers can construct a new curriculum system of "Required Course(R)+Elective Course (E)+Practice (P)", which not only pays attention to the cultivation of students' comprehensive language application ability, but also takes into account the improvement of students' general academic English and general education English, so as to meet the needs of China's economic development and the new situation of international exchange.

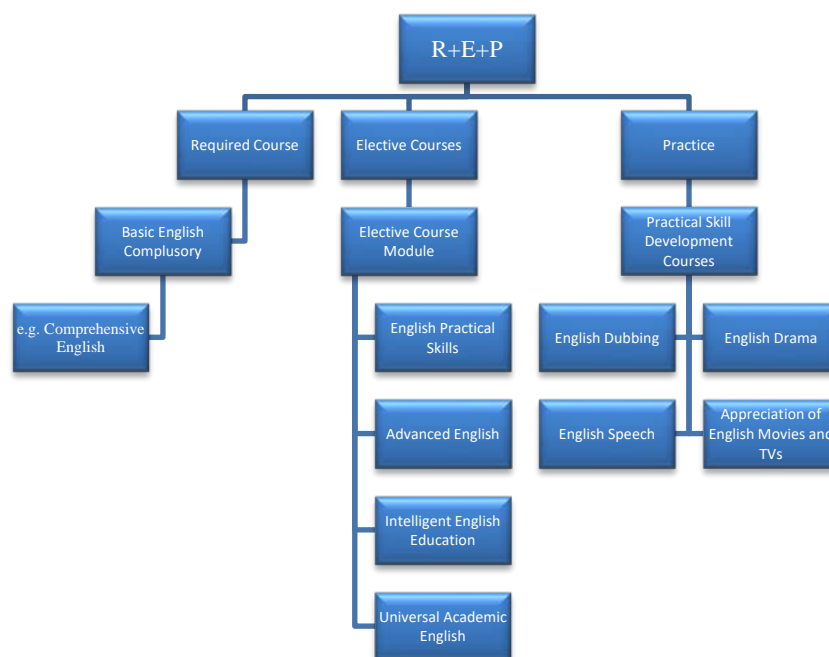


Fig. 1 R+E+P Teaching Model of College English

4.2. Creating an information-based teaching environment

In English teaching, there are many teaching emphases and difficulties. Therefore, teachers should properly explore the potential content of teaching materials and create situations for students by means of information technology. The premise of creating teaching environment is to ensure that students can enter the network of the campus. And the campus network is the communication foundation of the information-based classroom. It realizes mutual authentication and data sharing and transmission between networks. Also it can achieve network coverage within a valid range and provide more stable signals, thus providing a broader space for English information classrooms.

4.3. Reasonable selection of teaching resources

Teachers should use the big data of the Internet to provide students with rich teaching resources, and pay special attention to the rationality of resources. Also they can publish teaching videos in online courses, whose content can be set as the key and difficult points of the previous lesson and the key learning points of the next lesson, laying the foundation for the teaching of the new curriculum. At the same time, colleges and universities can build teachers for English teaching, and effectively improve students' sense of English.

4.4. Respecting the principal status of students

Teachers should satisfy the students in the main state. They can also promote students' individualized learning based on the development of niche-based hierarchical teaching. What's more, teachers must filter the teaching content so as to create interesting situations for students and enable them to actively participate in learning. At the same time, students are encouraged to evaluate teachers. Students can publish their own opinions and opinions through the Internet, either in real name or anonymously, so as to give full play to the characteristics of freedom of speech in the information age.

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