

The Diagnosis and Development of College English Teachers' Information Literacy Under the Concept of Small Private Online Course in China

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ABSTRACT

The development of modern information technology and the wide application of information technology in college teaching have put forward new requirements and standards for teachers' information literacy and teaching standard. College English teachers should pay attention to the cultivation of their professional ability and information literacy in order to better accomplish the teaching task and achieve the teaching goal. The concept of Small Private Online Course is a kind of blended teaching mode combining traditional classroom and online teaching resources, and has obvious effect and advantage on the cultivation of teachers' information literacy. Based on this, this paper studies the connotation of Small Private Online Course information literacy of college English teachers under the idea of Small Private Online Course, expounds the shortcomings of current college English teachers, and puts forward some relevant strategies for the cultivation and development of information literacy of college English teachers, so as to provide some suggestions for the cultivation of information literacy of college English teachers.

Keywords: the concept of Small Private Online Course, college English teachers, information literacy, diagnosis and development, strategies

I. INTRODUCTION

Small Private Online Course (SPOC) is a small-scale private online course, which is developed on the basis of MOOC. It is not only the extension and expansion of MOOC, but also the optimization and integration of MOOC. It changes the teaching mode that relies solely on course teaching or on-line teaching. SPOC has obvious advantages, not only realize the real-time sharing of teaching quality resources, but also enhance the mutual exchange and cooperation between teachers and students. Teachers can get the relevant feedback information and learning demands of students in time, which plays an important role in improving the teaching effect and quality and satisfying the individualized learning needs of students. Moreover, the development and application of SPOC is in line with the development trend of modern education, and it can effectively promote the deepening reform of university education and enhance the ability of information-based teaching of university teachers, which has far-reaching influence and significance on the development of modern education innovation.

II. THE CONNOTATION OF COLLEGE ENGLISH TEACHERS' INFORMATION LITERACY UNDER THE CONCEPT OF SPOC

Based on the influence of traditional teaching thinking and teaching idea, the college English teachers' information literacy is summarized as follows: information consciousness, information knowledge and information processing ability. However, with the application and popularization of SPOC in college English teaching, the connotation of English teachers' information literacy is changing gradually, which mainly includes the following points.

A. Awareness of sensitive information

Information awareness mainly refers to the individual's information sensitivity, observation, and the ability to process, analyze and judge the relevant information. Under the idea of SPOC, modern information technology has been deeply integrated into college education, and has effectively promoted the reform and development of college teaching by constructing a good online teaching platform and by integrating traditional classroom teaching. It makes English teachers have a brand-new understanding of the

importance of network information and online teaching. Only by constantly cultivating their own information literacy, being good at observing and discovering the development trend and the latest teaching ideas and information of English teaching under the modern educational environment, and taking this as the basis for teaching reform and innovation, can they better meet the requirements of modern teaching and improve teaching quality.

B. Rich information knowledge reserve

Under the traditional teaching idea, the professional teaching level is one of the important factors to guarantee the teaching quality. Under the SPOC idea, the teachers should not only have the professional teaching ability, but also have the rich information knowledge reserve. The information knowledge not only contains the information related theory, the information knowledge and the application method, but also contains the knowledge and ability about modern information technology [2]. Under the idea of SPOC, English teacher is not only the guide and designer of teaching, but also the collector of relevant teaching resources, the integrator of information, and the regulator and evaluator of the new teaching of SPOC. Therefore, it is very important for English teachers to keep information knowledge reserve based on SPOC concept to carry out teaching activities effectively, and it is also important to improve teaching quality and realize the innovation and reform of English teaching.

C. Strong information capability

Information capability is the specific ability to collect, acquire, process and apply information technology based on information knowledge. Information capability can be divided into acquisition, evaluation, processing, management, integration, communication and research. Visible information knowledge is the important foundation of cultivating information literacy, so the core of cultivating teachers' information literacy is to cultivate their information capability. The new teaching concept of SPOC puts forward new requirements for English teachers' information ability, that is, not only to have strong information capability, but also to have good application ability and development ability for different teaching software and information-based teaching mode, so as to better apply SPOC teaching mode to English practice teaching.

D. Strong professional teaching ability

In the information times, the deepening of education reform in our country puts forward specific requirements for the professional teaching ability of college English teachers. The cultivation of information literacy, the reserve of information knowledge and the information capability are all serving to deepen the

educational reform and improve the quality of English teaching. College English teachers should pay attention to the learning and understanding of SPOC. Based on strong information skills, teachers should combine college English teaching content, pay attention to the collection of relevant teaching resources, innovation of teaching models, teaching design, and production of related courseware; they should also use SPOC platform to innovate college English teaching, so as to realize the perfect integration of traditional classroom teaching and SPOC online teaching. This is not only the key teaching goal of SPOC, but also an important trend in the development of college English teaching. This kind of teaching mode can not only innovate the teaching mode, stimulate the student's study interest, promote the student to be able to participate in the study actively, but also can effectively enrich the teaching content and the teaching resources, satisfy the individual study demand of different students, and realize the overall improvement of the teaching quality.

E. Noble information morality

Noble information morality is an indispensable part of teachers' information literacy, which has an important influence on teachers' professional development and professional teaching ability. Specifically, information morality is a moral norm that teachers should follow in the process of collecting, acquiring, analyzing, dealing with and applying relevant information, such as paying attention to and treating problems, for instance, the intellectual property rights and privacy. As an important foundation and source of information technology, the Internet has different teaching resources. As an information collector, analyzer, processor and applicator, English teachers must establish correct information technology moral and network moral consciousness, provide healthy and correct guidance for students to study, and guide students to grow up healthily on the basis of completing teaching tasks.

III. THE DIAGNOSIS OF COLLEGE ENGLISH TEACHERS' INFORMATION LITERACY UNDER THE CONCEPT OF SPOC

The all-round arrival of the information age not only makes modern people's life, work and study more convenient, but also redefines relevant professions. SPOC teaching concept puts forward new requirements and challenges to teaching. However, due to the influence of traditional educational thinking and ideas, the following problems exist in the cultivation of college English teachers' information literacy under the SPOC concept.

A. Teachers are unable to change their teaching roles in time

In traditional teaching, the teacher, as the leader of teaching, the designer, and the impart of knowledge, has the absolute right of discourse, and should be highly respected. Teacher has the greater authority. However, SPOC's on-line teaching not only effectively breaks the limitation of time and space, but also realizes the real-time interaction. At the same time, students can choose the relevant learning contents according to their own learning needs and interests. Therefore, the diversification of knowledge sources, the diversification of thinking modes and the diversification of learning approaches have brought great challenges to college English teachers. Therefore, college English teachers should pay attention to the transformation of their own teaching role, gradually change from the traditional leader to the guide of teaching, actively guide the students to choose the relevant learning content according to their own characteristics, and guide the students to strengthen the exploration and research on learning problems. In addition, users can share their own learning experience and the understanding and application of relevant knowledge through on-line teaching mode so as to give full play to the important teaching value and function of SPOC concept [3]. However, due to the influence of traditional teaching thinking and ideas, teachers cannot change their teaching roles in time, which has become one of the limiting factors in the training of information literacy of college English teachers.

B. Teachers' teaching design ability needs to be improved

SPOC teaching is to combine the traditional classroom teaching and on-line teaching organically to carry on the teaching. Although they are independent of each other, there are profound internal connections among them. Therefore, it puts forward a new challenge to the teacher's teaching design ability, that is, how to divide the English teaching content scientifically, and make the online teaching resources accord with the teaching requirements and the students' learning rules. This challenge is the key research topic of English teachers. Under the SPOC concept, the teacher has shown the relevant teaching content and knowledge to the students through the playing of the relevant teaching courseware. If the teaching is repeated only by using the teaching courseware, it cannot play its teaching role, and it is not in line with the teaching philosophy of SPOC. The SPOC model has changed the traditional teaching mode and paid more attention to the differentiation of students, the diversity of teaching contents and the multi-dimensional development of teaching process and teaching evaluation. The SPOC model has also put forward new requirements for the teaching design ability of college English teachers.

Based on the teaching concept of SPOC, college English teachers also need to focus on using online teaching mode and traditional classroom teaching mode to actively cultivate students' autonomous learning ability, learning communication ability, learning sharing and cooperative learning ability, thus to improve students' relevant knowledge ability through good teaching. It can also effectively improve students' practical application ability and learning ability [4]. However, due to the teachers' knowledge and understanding of the SPOC teaching philosophy in college English teaching, teachers are unable to change their thinking in time. The teaching design ability of teachers has become an important issue restricting the development of college English teachers' information literacy.

C. Teachers' inadequate capability of information literacy

In the information age, the shortcomings of college English teachers in information knowledge, information ability, etc. have gradually emerged. Teachers' information literacy ability has become an important factor hindering the innovation and development of college English teaching reform and the improvement of teaching quality. Under the concept of SPOC, teaching design, related courseware making and classroom teaching put forward new requirements and standards for teachers' information literacy. The making of teaching courseware, the sharing of teaching resources, the follow-up analysis of teaching, the interaction of teaching and the evaluation of teaching, etc. all put forward new challenges to teachers' information literacy. With the deepening of modern education reform, if teachers can master modern advanced teaching technology and good information literacy in time, they can actively use the online platform to transfer relevant knowledge and spread teaching concepts, and even become the "leaders" of college English teaching under the SPOC concept. The ability of information literacy has a far-reaching influence on the professional development, teaching level and teaching quality of college English teachers.

IV. THE DEVELOPMENT STRATEGY OF COLLEGE ENGLISH TEACHERS' INFORMATION LITERACY UNDER THE CONCEPT OF SPOC

The information literacy of college English teachers plays an important role in the reform and innovation of college English teaching and the overall improvement of English teaching quality. Therefore, colleges and universities should pay attention to the research on the development strategy of English teachers' information literacy, so as to build a good environment for college English teachers, effectively improve their information literacy, and promote the development and progress of

college English teaching. Based on the current situation of college English teaching, the author puts forward the following strategies.

A. The innovation of teaching thinking and idea, and the cultivation of English teachers' information literacy consciousness

The awareness of information literacy is an important foundation for the development of teacher's information literacy, and teachers' awareness of information literacy requires teachers to purposefully and actively explore, perceive and collect information relevant to teaching. In the information age, college English teachers should have a comprehensive understanding of SPOC teaching concept and teaching mode, and should realize that SPOC teaching mode is an important manifestation of modern education reform and innovation. Therefore, in practice teaching work, teachers should actively change teaching ideas, innovate teaching thinking and ideas, pay attention to the research of SPOC teaching ideas and teaching modes, and fully understand the relevant teaching resources, information transmission paths, information dissemination ways and information dissemination effects of SPOC. At the same time, teachers should pay more attention to the cultivation of their own information literacy ability on the basis of observing information morality in practice. In addition, in the practice teaching work, English teachers should pay attention to the penetration of SPOC concept and teaching mode in classroom teaching. They also should combine with the actual situation of teaching, break through the confinement of the traditional teaching mode, apply the online teaching mode to the traditional classroom teaching actively, and realize the innovation and optimization of teaching mode. The design, production and application of relevant teaching courseware in SPOC teaching mode require teachers to have good ability of information technology application, and teachers should also pay attention to the cultivation of their own information habits, collect, organize and design teaching resources through multi-channels in the course of scheduling work and learning, pay attention to the development of information technology actively, establish lifelong learning consciousness and belief with the development of the times. Thereby, English teachers' awareness of information literacy can be improved in an all-round way.

B. Paying attention to the optimization of teaching resources and enhancing teachers' ability to apply information technology

In modern education, computers have gradually moved from the original teaching aids to the front-end of teaching. Based on the support of advanced information technology, SPOC model effectively realizes the deep integration of on-line teaching

platform and traditional classroom teaching, and becomes one of the most important teaching modes in the field of education. Moreover, teachers' ability to apply information technology is not only an important basic guarantee for effective teaching, but also a necessary skill for teachers' professional development. The application ability of information technology mainly includes the ability to use computer, the ability to apply multimedia and the ability to apply Internet information [5]. The design and production of teaching resources related to SPOC teaching mode need to be accomplished by computer and network resources. The application ability of information technology of college English teachers is one of the key factors for the development of teachers' information literacy. Therefore, in the process of practical work, university's educational administrators should pay attention to the optimization of teaching resources and strengthen the training of teachers' ability of applying information technology. In the practice teaching work, teachers should not only collect, arrange and deal with the related teaching resources, but also optimize and reorganize the related teaching resources so as to meet the teaching requirements and students' learning needs. In the process of integrating and optimizing relevant educational resources, teachers should set up correct working attitude and face the challenges and problems from information technology actively. They should not only master the application of relevant instructional design software, but also apply relevant editing tools such as pictures and videos, so that they can better complete the design and production of teaching courseware and improve the quality of teaching resources. Then it can promote the development and progress of college English teaching. Therefore, focusing on the optimization of teaching resources and improving teachers' ability to apply information technology are important ways and bases for the development of college English teachers' information literacy under the SPOC concept.

C. Building a web-based learning community and improving the collaboration among teachers

Network learning community is a kind of learning group formed by different teachers, experts and educational researchers in the network environment with the support of network technology and network platform. Users can study, discuss, exchange and solve related teaching problems at anytime and anywhere through the network platform. Under the SPOC concept, modern teaching is not only the independent task of professional teachers, but also requires all English educators to make joint efforts to accomplish teaching tasks and achieve teaching goals. Therefore, the development of college English teachers' information literacy needs the help of the web-based learning community to effectively enhance the strength and

breadth of collaboration among teachers, so as to realize the effective cultivation and leap-forward development of teachers' information literacy. In the practice teaching work, the college English web-based learning community should actively complete the collection of teaching resources, integrate the resources and make the teaching courseware met the teaching requirements. At the same time, the community should upload the related teaching resources, teaching topics and related after-class exercises to the online learning platform. Besides, the sharing of teaching resources can effectively improve the work efficiency. The quality of teaching resources can be greatly improved through consultation, communication, cooperation among members of the web-based learning community and relevant improvement and optimization after making relevant suggestions. Moreover, there are great differences in information level, information literacy and teaching ability among the members of the web-based learning community. In the process of communication and cooperation, teachers' information literacy can be developed and promoted in an all-round way. The construction of web-based learning community plays an active role in the development of college English teachers' information literacy, and it is also one of the important ways to realize the development of teachers' information literacy.

D. Strengthening the training and building a scientific and reasonable evaluation management mode

Only by mastering good information technology application ability and good information literacy can college English teachers better meet the requirements of modern college English teaching. In view of the present situation of college English teachers' information literacy, strengthening English teachers' vocational training is one of the important ways to realize the development of English teachers' information literacy. Although English teachers in colleges and universities have gradually realized the importance of information literacy to their teaching quality and career development, they still lack the systematic cultivation of information technology, information capability and integration and optimization of teaching resources due to the heavy teaching tasks, few on-the-job training opportunities and single form. As a result, there are great differences in the level of information literacy among college English teachers. Therefore, in view of the present situation of information training for college English teachers, the school should actively and comprehensively understand the actual situation of teachers, and carry out on-the-job training in accordance with the scientific stratification of teachers' age, professional ability and information literacy level. At the same time, colleges and universities should pay more attention to expand the channels and paths of teacher training, actively carry out professional and

technical training courses, set up network training and create more opportunities for teachers to study abroad, thus effectively help English teachers to master solid knowledge of information theory and the ability of applying information technology to improve the awareness of information literacy of English teachers. Thus, the development of information literacy of college English teachers can be realized effectively.

In addition, the construction of scientific and reasonable evaluation management mode is also one of the important paths for the development of college English teachers' information literacy under the SPOC concept. Scientific and reasonable evaluation management mode can not only make a scientific comprehensive evaluation of teachers' information literacy, but also provide an important foundation for teaching development and teacher training. Therefore, colleges and universities should actively construct a scientific and reasonable evaluation management model that meets the teaching requirements, not only including the teacher's relevant incentive mechanism, but also the teacher's evaluation mechanism, so as to effectively stimulate the teacher's work enthusiasm, guide the teacher to learn and use, and better infiltrate the SPOC concept into the practice teaching. Thus, the development of college English teachers' information literacy and the overall improvement of English teaching quality can be realized.

V. CONCLUSION

In summary, the application and penetration of the SPOC concept in college English teaching can effectively promote the innovation and reform of college English teaching and effectively improve the efficiency and quality of English teaching [6]. The information literacy of college English teachers is a key factor in the application of the SPOC concept. Therefore, the teaching managers of colleges and universities should pay attention to the connotation of teachers' information literacy and the diagnosis of the information literacy of college English teachers under the SPOC concept. Based on the actual situation of colleges and universities, reasonable development of information literacy development and training strategies for college English teachers should be set. Hence, it provides comprehensive services for the cultivation and development of teachers' information literacy in an all-round, multi-angle and multi-level manner. It also effectively promotes the reform and innovation of English teaching in colleges and universities.

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