On the Virtual Teaching and Research Room of English Major

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Abstract: The teaching and research section is one of the most important grass-roots teaching organizations in colleges and universities, which undertakes the task of implementing various teaching work, and plays an important role in gathering front-line teachers, improving the teaching quality of colleges and universities, and formulating teaching and research directions. With the maturity of network teaching technology, the concept of virtual teaching and research offices has gradually emerged. Traditional teaching and research offices are set up according to different professional directions of the school, while the setting of virtual teaching and research offices of disciplines can cross the boundaries between schools and across professional boundaries, realizing the sharing of discipline teaching and teaching and research resources. In the process of the construction of the discipline virtual teaching and research office, it is also necessary to define the operating rules of the teaching and research office, ensure that the teaching and research office can give consideration to the characteristics of integrity and individuality, give full play to the advantages of the Internet platform free from space and time constraints, and promote the integration and intercommunication of inter school and professional resources.

Keywords: Virtual teaching and research department; Discipline; Resources; Share

1. Research background

In order to implement the spirit of documents such as the Opinions of the Ministry of Education on Accelerating the Construction of High level Undergraduate Education and Improving the Ability of Personnel Training in an All round Way, and the Opinions of the Ministry of Education on Deepening the Reform of Undergraduate Education and Teaching and Improving the Quality of Personnel Training in an All round Way, and explore and promote the construction of new grass-roots teaching organizations, colleges and universities began to explore the cooperative research of mutual integration. In May 2018, Hu Jian and other authors took the "Double Training Plan" of Beijing Jiaotong University as an example in their paper Improving Classroom Teaching Quality by Relying on Virtual Teaching and Research Office to demonstrate the teaching activities and exchange and visit mechanism of the school's teaching team to explore the virtual teaching and research office. In 2021, the 13th National People's Congress pointed out that we should develop more equitable and high-quality education. The meeting emphasized that the teaching and research section, as an important grass-roots teaching organization in colleges and universities, is the implementation unit of teaching work in colleges and universities, and plays a pivotal role in improving the quality of education and teaching in colleges and universities. In the same year, the Higher Education Department of the Ministry of Education issued a notice on the pilot construction of virtual teaching and research offices (JGSH<2021>No. 10). The notice pointed out that the virtual teaching and research office is an important exploration of the construction of new grass-roots teaching organizations in the information age. In 2022, Zu Qiang and other authors proposed in the paper Research on the Construction of Virtual Teaching and Research Rooms from the Perspective of Synergy Theory that self-organization is the mechanism of resource aggregation and function aggregation for the growth of virtual teaching and research rooms, and proposed to pay attention to the stakeholders of virtual teaching and research room construction, pay attention to the

independence and integrity of virtual teaching and research room construction, and strengthen the collaborative implementation and evaluation of virtual teaching and research room construction.

2. The function and significance of the discipline virtual teaching and research office

The setting of teaching and research departments in traditional colleges and universities is based on the majors of the departments. For example, the college of foreign languages where the author works has set up English teaching and research departments in higher vocational colleges, college English teaching and research departments, English major teaching and research departments, business English teaching and research departments, French and second foreign language teaching and research departments according to their professional direction and teaching level. Traditional teaching and research departments can better complete various routine teaching arrangements. The preparation of teaching plans for each semester, the implementation of mid-term teaching inspection, the teaching evaluation of secondary supervisors, the final examination papers and the analysis of results are all arranged by the directors of each teaching and research department. The teaching and research department undertakes teaching research, curriculum design, teaching arrangement, discipline development and other work in the work of the college and department, but in reality, the task is simple and complicated, and the conventional teaching management takes up most of the working time, leading to the imbalance between teaching and research and discipline development. At the same time, the role of the teaching and research department in the development of teachers is not significant, and teachers' sense of participation in the work of the teaching and research department is concentrated in the teaching work, The development of teaching research and scientific research ability is limited.

As the organizational unit of basic level teaching management, the teaching and research section is oriented to the development of organization construction, the combination of teaching and research, and the development of teachers. The traditional teaching and research department undertakes the daily teaching management function, while the establishment of the discipline virtual teaching and research department can effectively supplement the teaching research, discipline construction and teacher development functions of the teaching and research department. The establishment of the discipline virtual teaching and research room is based on the discipline, which breaks through the limitations of time, space, personnel, resources and other aspects of teaching work. Any teacher who teaches the discipline, regardless of whether the teaching object is junior college or undergraduate students, regardless of whether it is for English majors or non English majors, can join the discipline teaching and research room, and realize resource sharing, interconnection and intercommunication on the teaching and research platform of the virtual teaching and research room It will play an important role in promoting the development of teachers and cultivating innovative and application-oriented talents.

(1) Support teachers' cooperative development. The virtual teaching and research room integrates teacher resources. Teachers can cooperate to complete curriculum construction, teaching and management; Cooperate to formulate the curriculum teaching plan and track the teaching process; Coordinate to solve the problems encountered in the teaching process; Carry out research and discussion on the teaching of courses in different places; Carry out academic exchanges and special work meetings. Through the construction of a virtual platform, teachers can effectively gather their cooperation and constantly improve their professional level in the process of participation.

(2) Realize the management and sharing of teaching resources. The work of the discipline virtual teaching and research office takes the Internet application as the development platform. The establishment of the discipline virtual teaching and research office's teaching and research platform can realize the collection and management of teaching resources, form a sharing mechanism, and realize the development and integration of teaching resources.

(3) Promote interdisciplinary integration. The discipline virtual teaching and research office is set up across schools and majors. Teachers from different schools and teaching levels can join the discipline teaching and research office as long as they teach the same course. As the teaching and research activities of the discipline virtual teaching and research office are carried out on the Internet platform, and the teaching seminar is also carried out online, teachers from different schools and

different majors gather together because of the same curriculum, because the textbooks used are not necessarily the same, it can stimulate teachers' teaching vitality and innovation, and can promote the discipline virtual teaching and research office to play an important role in discipline construction, discipline intersection and integration. The work of the discipline virtual teaching and research office is mainly carried out by the Internet teaching platform. Through the Internet, a new teaching and research office organization is built to break the existing inter school closure, professional closure, teaching level closure, geographical limitations, and discipline and professional limitations of the original teaching and research office, so that teachers from different teaching and research offices, different departments, and even different schools with the same vision can work together for teaching and academic research.

The construction of discipline virtual teaching and research room can be based on Internet instant messaging applications with network interactive storage space, such as Ding Talk and QQ. Taking English Listening as an example, this course is a professional basic course for English majors and business English majors. English courses for non English majors usually focus on English intensive reading, but students' demand for improving their English listening ability is growing. Both students of English related majors and students of other majors are eager to improve their English listening ability and improve the overall application level of the English language. Both teachers of English related majors and teachers of public English departments need to actively absorb the achievements of teaching research and scientific research, and build a new type of English listening course for the improvement of English language application ability.

Under the traditional teaching and research office model, there is less discussion on listening teaching between English teachers in English colleges and English teachers in non English colleges, and there is some duplication of resources in the process of teaching preparation. Although different textbooks are used and the teaching courses are not completely the same, However, teachers with the same teaching objectives can join the virtual teaching and research room of English Listening to achieve the synergy of teaching design and teaching materials through the establishment of the Internet platform, carry out various teaching seminars, formulate teaching plans, determine teaching plans and share teaching materials through the Internet instant messaging application. Teachers can upload and share personal teaching design and teaching materials in the interactive space. Members of the teaching and research department can choose appropriate materials and programs in the interactive space for daily classroom teaching according to the actual level of students and professional needs. At the same time, teachers can upload teaching materials that they think are most effective for a certain knowledge point for reference by members of the teaching and research department after the teaching seminar.

① Before class

Teachers select materials on the Internet platform according to students' knowledge base, professional characteristics and the connecting knowledge points required by new knowledge, and publish them on the teaching platform (such as Learning Pass), so that students can fully preview before class, trigger students' thinking, and guide students to prepare for knowledge before class.

② In class

Teachers distribute test questions through the online teaching platform and score on the platform. The platform will automatically record the teaching process and scoring results. Teachers can observe students' reactions to teaching materials in class, and can analyze and score after class to adjust the teaching progress and the selection range of teaching materials.

③ After class

Students give teaching evaluation and feedback through the teaching platform. Teachers carry out irregular discussion activities through the Internet platform to jointly reflect on teaching, make full use of modern information technology, jointly build and share teaching data, and integrate teaching research and teaching practice. This not only enriches teaching resources, but also provides data support for teachers' teaching and research.

The discipline virtual teaching and research room can not only provide great help to teachers' teaching, but also help to improve teachers' comprehensive quality. The construction of virtual teaching and research office can not be separated from the efforts of

teachers in the teaching and research office. Teachers are the direct actors in teaching activities. At the beginning of the new semester, the member teachers can make the teaching activity plan of this semester through the teaching and research meeting of the virtual teaching and research platform, use the Internet teaching platform to keep records of the teaching activity process, update the teaching activity content in time according to the virtual teaching and research meeting held irregularly, and then reflect and improve, optimize the teaching resources, so as to better carry out classroom teaching activities in the later period, and effectively improve the efficiency of teaching and research.

The teaching and research in the discipline virtual teaching and research room go hand in hand. Teachers can effectively improve the teaching quality by integrating teaching and research related content into teaching activities. The Internet teaching and research platform also provides effective space for teachers to organize teaching activities and engage in teaching research; The members of the virtual teaching and research section of the discipline can rely on the instant messaging application to communicate in a timely manner and solve the problems faced in the teaching process, combine the cutting-edge research achievements in the development of the discipline and profession in the teaching content, and promote the standardized development of students. The virtual teaching and research section of the discipline pays attention to the mutual promotion and common development of the members of the team. Teachers with similar research directions in the teaching and research section can form a teaching and research team to carry out teaching work seminars, cooperate and make common progress, which can not only enrich teaching resources and accumulate relevant teaching experience, but also help the professional development of teachers in the teaching and research section.

3. Conclusion

The establishment of discipline virtual teaching and research offices can provide new ideas for the construction and development of teaching and research offices in colleges and universities.

3.1 Improve the construction and operation of teaching and research sections

The construction of the discipline virtual teaching and research room is people-oriented, breaks through the original teaching and research room time and space, can make full use of the modern educational technology information platform, adopt more flexible forms to achieve peer assistance, respect the needs of teachers' personality development, and can meet the needs of teachers' professional development to the maximum extent.

3.2 Drive the professional development of teachers

The members of the discipline virtual teaching and research section have a common teaching vision. On this basis, teachers are guided and coordinated through the virtual teaching and research platform. Such an organization is easier to form cohesion and centripetal force. Under the virtual teaching and research section environment, the teaching and research leader effect among the members of the teaching and research section can be maximized to drive the professional development of teachers.

3.3 Establish the communication mechanism of virtual teaching and research department

Building a standardized and orderly exchange mechanism is a strong guarantee for the sustainable development of virtual teaching and research offices. Through the teaching seminar of the discipline virtual teaching and research office, teachers from different schools, different departments, and different majors who teach the same discipline or related content courses can communicate and discuss the curriculum construction, teaching and research experience, and the difficult and hot spots of teaching and research; Through the teaching seminar, the members of the virtual teaching and research department can deepen their mutual understanding and lay a foundation for further communication and cooperation.

Under the traditional working mode of the teaching and research department, the teaching materials collected by teachers are limited by time, space and other factors to achieve communication between colleagues. The construction of discipline virtual teaching and research room effectively complements the collection, management and application of teaching materials by the physical teaching and research room. Teachers' teaching materials are no longer limited to individuals. Members of the discipline virtual teaching and

research room can actively upload teaching materials for sharing, expanding the collection scope of teaching materials, and providing a platform and data support for teachers to carry out teaching and research activities. Different from the traditional teaching and research department, the discipline virtual teaching and research department is a virtual teaching and research department built on the basis of the discipline. Teachers who have a common vision for the same or related teaching content join the virtual teaching and research department to carry out teaching, teaching research and scientific research activities, so as to break through teaching and improve themselves.

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