

The Reform of Ideological and Political Course Online Teaching During COVID-19 Outbreak A Case Study of Sichuan Technology and Business University

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Abstract—In the face of the sudden covid-19 outbreak, the Ministry of Education pointed out that we should promote the application of the “three types of classrooms” in Working Focus for 2020. Sichuan Technology and Business University earnestly implements the overall scheme of the provincial department of education on epidemic prevention and control, and puts forward the “three groups in the cloud” ideology model centering on the overall work of the school and the epidemic situation. According to this model, teachers take active actions to strengthen the teaching reform, promote the block chain technology, upgrade the MOOC to SPOC, strengthen in-class practice teaching and the construction of “three teams” of extracurricular practice teaching and improve the quality of teaching.

Keywords- COVID-19 pandemic; network teaching; reform

I. INTRODUCTION

The Ministry of Education pointed out that we should promote the application of the “three types of classrooms” in Working Focus of 2020[1]. Sichuan Technology and Business University earnestly implements the overall scheme of the provincial department of education on epidemic prevention and control, and puts forward the “three groups in the cloud” ideology model centering on the overall work of the school under the epidemic situation. Based on this model, teachers actively promote the explanation of “epidemic disease” and publicize the knowledge of epidemic prevention and treatment through “transmission classroom”.

II. THE INNOVATION OF “THREE CLASSES” TEACHING

Since the outbreak of the epidemic, Sichuan Technology and Business University has actively responded to the call of “No suspension of classes” by holding teaching seminars and deploying online teaching through Dingding APP. Marxist college president Wang Wei emphasized that during the outbreak, online teaching must abide by the theme of “higher school ideological and political theory course construction standard” notification ([2015] No. 3 teaching social sciences)

issued by Ministry of Education and the spirit of “the system construction of Ideology course in colleges and universities innovation plan”([2015]no.2) released by Publicity Department, CCCPC, and guided by the “Ministry of Education Working Key Point of 2020”, taking “patriotic education implementation summary in the new era” as the main line, centering the “online teaching” and “three classrooms”.

A. Classical Teaching Lessons by Famous Teachers

The senior expert guidance group was led by professor Wang Shixiang of college of arts, Zhengzhou university, who was the keynote speaker of Lecture Room, professor Xu Jimin, Sichuan provincial party committee and provincial government minister mentor, Sichuan university and Sichuan Institute of Governance and professor Chen Zhong of Institute of Marxism. They Shared three hearty online lessons with nearly 10,000 teachers and students of Sichuan Technology and Business University, including “reading and personal growth” under the epidemic, “covid-19” and “patriotism in the new era and people fighting against the epidemic”. Each course was originally planned for 2000 participants. Students said, “We need to watch the screen and make sure the signal is good enough to get the quota!” When talking about the role of the senior expert guidance team, vice principal Zhang Xiaozhou said, “the online guidance of cloud classroom is more popular, influential and effective than the traditional lecture, which provides strong legal, academic and ideological support for the overall epidemic prevention and control of the school.” Students also said: “Through the zero-distance interaction between the students and the experts, the novel expert report has narrowed the distance between the experts and the teachers and students, producing the effect of ideological resonance. In view of this, Wang Wei, dean of the school of marxism, believes that cloud group has given full play to the demonstration effect of famous teachers, explored new forms of teaching and research activities under the network environment, promoted the level of teachers with the help of experts, made famous teachers' resources more widely shared, and promoted the professional

development of teachers. He composed a poem, “Dispel the clouds and see the sun with indispensable lectures, accurate interpretation with sufficient supported cases, break the rumors with unambiguous facts, question answering system with cloud group.”

B. *“Online Courses of Prestigious Universities” to Bring Forth the Fresh*

At the beginning of the outbreak in December 2019, to develop good online teaching activity, Institute of Marxism started organizing and full mobilization of staffs to study online teaching mode in vacation, using online platform to make the teaching plan and syllabus. The institute organized teachers to discuss video recording technology, and advocates “consulting, observing and learning from outstanding teachers in prestigious universities”. At the same time, led by the academic affairs office, the association of colleges and universities, widely look for quality teaching resources, to share the network teaching classroom of famous universities. To this end, high-quality course videos from Sichuan university, Wuhan university and other famous universities have been introduced as teaching materials for front-line teachers to learn and refer to. The university actively mobilize the masses of teachers' collective efforts, with the original “super star learning” as the platform, to develop online teaching resources through QQ group classroom, Tencent classroom, micro-teaching assistant and other apps in the way of live broadcast, recording and other ways of developing online teaching resources.

C. *“Deliver The Classroom” And “Speak Up” for Our Country*

According to Ministry of Education, the “delivery classroom” emphasizes specialization, mainly aiming at schools with weak resources to offer full courses prescribed by the state, so as to promote the fair and balanced development of education. The focus of the work of Sichuan Technology and Business University is to promote ideology courses by Internet, and to transmit its epidemic prevention measures. At the same time, we will create conditions to invite outstanding teachers from prestigious universities to give lectures in person, so that patriotism can be rooted in the fertile soil of ideology education. They focused on building a doctoral team led by the “cloud three groups”, who will give series lectures like “Minjiang River lecture hall on the cloud”. In the lesson Outline of China's Modern History, Professor Feng Bing, Sichuan university doctoral tutor, was invited to conduct a demonstration course for undergraduates majoring accounting, Japanese, English hotel management. In the course Marxist Principles, Wang Jie, associate professor of Mianyang Normal University, was invited to give a lecture on Marxist theory of practice. Wu yingping, associate professor of institute of Marxism, Southwest University for Nationalities, was invited to give a lecture on the course “ideological and moral cultivation and legal basis”. In the course Introduction to Mao Zedong Thought and The Theoretical System of Socialism with Chinese Characteristics, professor Jing Junxue, college of Marxism, Lanzhou university of technology, was invited to give a lecture on building a strong cohesive and leading socialist ideology. Through these lectures, patriotism education and social responsibility education will be carried out in depth,

and the spirit of great love, dedication for the country, which embody the socialist core values, will be disseminated to the teachers and students, so as to improve the ideological and political quality of the teachers and students in the school.

III. THREE KEY WORDS OF TEACHING REFORM: BLOCK CHAIN, SPOC, IN-CLASS PRACTICE TEACHING

A. *Application of Block Chain Technology*

In 2018, the Ministry of Education issued the “education informatization 2.0 action plan”, which emphasized that digital education resources should be open and shared, and a mechanism for the development and utilization of large educational resources should be formed. The Ministry of Education has mentioned block chain technology twice in its 2020 work key points, which is also one of the directions of the teaching reform of ideology. Every teacher who taught online during the epidemic made full use of blockchain technology. The traditional mode of ideology courses is teacher (subject) + homework + score + credit + node type (evaluation process). After the introduction of flipped classroom and block chain technology, it becomes decentralized (teacher + student subject) + learning record block chain + credit (knowledge currency, credit bank) + whole program (evaluation process) [2].

1) Establish distributed learning record block chain and promote the open development of teaching evaluation. With super star learning platform as an example, according to the distribution project of Ministry of Education, the teacher clarifies the knowledge, ability conversion point and the thought of socialism with Chinese characteristics and the core value point which students need to master. In the form of “task” build distributed learning record block chain, students can prepare ahead of time, turn to facilitate the teaching activity. As the students' learning progress, the teacher can praise the students through “flowers” and “bonus points” in the “issues” or “discussion” block, recording the learning process. When one block's study task has been finished, the data dynamic will display students learning situation through the “automatic billing” [3] big background data, so as to turn the students' learning become a process of self-assessment, thus changing the previous progress as “honestly” follow “classroom performance - homework - phase test” node evaluation model. Students can study anytime and anywhere as active learner.

2) Establish a decentralized learning library to promote the update and iteration of big data. With the support of block chain technology, the library includes two databases: teacher database and student database. Teacher database is block chain data mainly stored in the “client” (decentralized) on a mobile hard disk. These data are encrypted to protect the intellectual property rights of the teacher. Teachers can upload and publish information to students at any time. They only need to modify, delete, and update the teaching content in time according to the problems encountered in flipped classroom, so as to ensure the renewal of the knowledge system and save a lot of maintenance costs. Through the block chain technology, teachers can browse more courses and publish more task points, thus increasing student participation. “N” teaching activities are also dynamically integrated into the whole teaching activities. as the

following table shows (taking the outline course as an example Pic 1):

Online learning data of students during the epidemic (blockchain Accounting)

Teacher	Course Views (student)	Task point	Interactive discussion (frequency)	Task (frequency)
A	89384	91	34010	1104
B	41063	83	31340	1104
C	94584	230	33815	1008
D	40562	81	30568	1011
E	50542	85	32167	1028

B. Upgrade of Teaching Mode

During the pandemic outbreak, Sichuan Technology and Business University strengthened the reform and exploration of the online teaching mode. When formulating the epidemic teaching plan, the academic affairs office took into full consideration the cognitive characteristics of students and the influence of learning environment on teaching, and allocate teaching hours in accordance with the “1:1” ratio, that is, one “online class” and one “online counseling and Q&A class”. Therefore, in an “institutional” way, the previous MOOC will be upgraded to SPOC, which is a hybrid online and offline teaching mode. The specific method is divided into two steps:

The first step is for the teacher to focus on the same course in the same grade and conduct a MOOC (live broadcast or flipped classroom). Focus on sorting out the knowledge of “task points”, highlight the key points, explain the difficult points, and strengthen the application of “N” (Pic 2).

Data Distribution of “N” in SPOC Teaching Mode

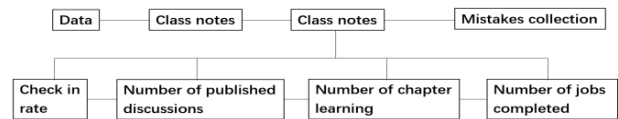
Class	Sign in	Vote	Pick	Rush to answer	Thematic discussion	Practice in class	Questionnaire	Score	Group tasks
one	57	4	68	201	230	11	10	4744	10
two	57	4	84	220	230	11	10	15170	10
three	57	4	75	230	230	11	10	11324	10
four	57	4	69	207	230	11	10	8942	10

According to the data demonstrated above, although the number of students in classes is different as well as the students interacting frequency in class discussions, there is one common feature under the SPOC teaching mode: students’ enthusiasm has been immensely enhanced, in which students begin to learn initiatively not passively. Students have become the mater of their own study truly and their studying efficiency is also elevated greatly.

The second step is to divide students into small class (administrative class) for Q&A. Students will ask questions if they did not understand in the preparation and in the process of network course. The q&a is conducted in the way of “literal answer” and “interaction”, usually in the way of “literal answer” which gives students a “time buffer” for the re-

understanding of difficult problems. It not only deepens students’ understanding, but also consolidates and strengthens their memory and avoids “transfer forgetting”. Analysis from students’ “Credit Bank” data (Pic 3)

Big Data Analysis Chart of “Credit Bank”



With the flexible application of the above-mentioned “Online Q-A tutoring”, the dynamic learning process of students can be recorded through “Credit bank” and students’ consciousness to complete the studying tasks in “Given time” can also be fostered. Especially for the “Mistakes collection”, it is the manifestation of the students’ mastery of knowledge, and together with the “Class notes”, it has constituted the core process of “Teaching evaluation” under the SPOC teaching mode.

C. To Strengthen the Practical Teaching in Class

Centering on this special teaching material of the Anti-covid, the ideology teachers in Sichuan Technology and Business University strengthened the in-class practice, incorporated the living examples of the CPC's leadership in fighting the epidemic and the great spirit of the people especially the young students into their teaching, so as to encourage and lead young students to study and carry forward the May Fourth Movement spirit, further strengthen their confidence in our socialist system, and strike their patriotism, their ambition to build a strong nation turn it into actions in real life. The specific approach are as follows:

In the ten minutes for signing in before class, the teacher organized a “battle against epidemic class” to encourage students to actively fight against the epidemic by distributing micro-videos of the epidemic, sharing live cases and their feelings during the epidemic. In the introduction to the epidemic situation and the prevention measures at home and abroad, The teacher analyzed the centralized and unified leadership advantage of the CPC, the system advantage of a game of chess nationwide, and the mechanism advantage of full participation and full cooperation demonstrated in the epidemic prevention and control process, and guided young students to correctly understand and view the epidemic, foster a sense of responsibility and responsibility, and inspire their deep feelings of love for the party, patriotism and socialism[4].

“Every time I prepare for class, I have a few extra tasks for each class, Once you click in, you will see the familiar little brother, the familiar car, Every day, we are faced with different people who have made their contribution to the epidemic. From the first video of ‘battle class,’ the young man said, this is the smallest thing I can do as a human being, as a Chinese. This is a true portrayal of us as ordinary people, we cannot go to the front and fight for the country and the people. We can only give ordinary help. Looking at the younger brother's increasingly tired face, I also feel his hardships” Said Liu

Chenqian, a student from computer science and technology class 1, grade 19, computer college.

IV. “THREE TEAMS” OF OFF-CAMPUS PRACTICE TEACHING ACTIVITIES

Practice teaching is an important part of moral cultivation, which plays an important role in improving students' comprehensive quality, cultivating their innovative ability, and enhancing their sense of social responsibility. Sichuan Technology and Business University has always attached great importance to students' practice. Taking the society as a broad stage, the “learning, competition and employment” league system and the “1+4+10” publicity method was established. A number of college students' social practice bases were built. These bases radiate from the town bases around the school to the Qinghai-Tibet plateau, and from the agricultural, industrial, patriotic education to community services that serve the local economic development. There are Jianchuan museum practice base, Xizang Renbu county middle school practice base, Tuanjie town Taihe village practice base, Dream water village practice base, Sansu culture practice base jointly built with other colleges, Dao yuan sports culture company cooperative practice base, etc. The epidemic has provided a “base” for the practice teaching of ideology courses with “three teams” that are very active.

A. *Leading Roles of the Teachers*

In this particular context, the pandemic is the best textbook. It is the remarkable feature of Marxist philosophy to combine theory and practice which helps students apply Marxism theory to guide their research during the outbreak. For ideology teachers in practical teaching especially, they can put forward online courses and operate in-class practice activities at the same time, so as to Integrate epidemic prevention and control into students' extracurricular activities. The institute of Marxism has formulated an off-campus practical activity plan for Anti-covid with the theme of “Sing praises to the motherland”. Various subjects and grades have formulated extra-curricular practical programs to guide students to participate in practical activities.

B. *Teaching Assistant Responsible for Organizing a Class*

In view of the large size and dispersed distribution of students in online courses, the ideology teachers set up teaching assistants composed of the monitor of the administrative class, the commissary in charge of studies and the class representative. Each assistant led several students to form a group and guided the operation according to the teacher's practice plan, which not only solved the strangeness of teachers and students who “did not see the real face of the mountain”, but also facilitated the implementation of the practice project. Teaching assistants have the task of publicity as well as hands-on experience. Zhuang Feng, the teaching assistant of Outline of Chinese Modern History from 2019 digital media professional 2 class, said: “During the Spring Festival, I was an outsider volunteer, in addition to fixed-point screening with the village cadres every day, recorded the returners of the provincial personnel and floating population, I also wrote about

the “epidemic prevention” and “advanced cases”, released to the public and Moments. She also served as the “Red Letter from Home” practice leader through video communication with students on a regular basis to exchange funny things happened in video Spring Festival greetings.

C. *Subjectivity of Student*

During Anti-Covid, teachers instructed students to actively participate in volunteer services. Qin Zhengpeng, student of Class 2, Grade 2019 from Computer Institute majoring in computer science and technology, become a registered volunteer under the guidance of his father. He was on a 24-hour shift in the front line of epidemic prevention and control, distributing epidemic prevention materials, hanging propaganda banners, going from village to village, going to households for investigation, and guarding the beautiful mountain village with his own practical actions. When asked what he did? How do you feel, he replied: “hello, grandpa and grandma, I came to visit you with the village committee. Have any relatives from Wuhan or other areas in Hubei come to visit you recently? Have family members caught a cold or had a fever recently?- that's what I say the most” “We belong to this society, it is our duty to help others, it is a noble and meaningful thing”.

Dealing with the epidemic is like preparing for an exam. Represented by Qin Zheng peng, the students of Sichuan Technology and Business University are doing the most touching things in different places with the smallest public welfare. Although they did not have the sealed application to go to the battlefield full of fingerprints, not as “touching” as the female doctor Gan Ruyi who rode more than 300 kilometers in 4 days and 3 nights to Wuhan to help others, but also with their own practical actions to submit a satisfactory answer. Through practical activities, these students have made selfless dedication and shined brightly throughout the country, let people witness that how young people aim high and the vigorous strength they have.

Through these practical activities, teachers' in-class practices mainly compared China and the rest of the world under the epidemic situation, including the following: to be selfish or to dedicate oneself to our country's cause, to be mindful of worries or to be inattentive, to make vigorous efforts to turn the situation or to hold a candle to the devil, to dedicate or to be money-oriented, to choose the hard way to help others or to pass the buck, etc. With the focus on cultivating students' patriotism, the development of off-campus practice activities focuses on young students born after 2000, who live and share the same destiny with the motherland in different places and positions. They demonstrate the mission and responsibility of contemporary youth with practical actions and contribute their youth to winning the battle of epidemic prevention and control. Based on this to let the students know the world better, learn how to make overall plans and goals, in their own time to identify the

real heroes and idols, more understand what is heroism, more deeply understand the connotation of value noble souls, to cultivate students' fear, gratitude, patriotic, self-discipline, rules, unity, cooperation "and bear the responsibility, then transfer and dissemination of Chinese spirit, the spirit of China in every students heart, the Chinese spirit as a mission! [5]

V. CONCLUSION

The ideology education of Sichuan Technology and Business University organically combines the first class, the second class and the third class, giving full play to the timeliness, kinetic energy and durability of the ideological and political education, so as to serve the goal of "cultivating people with morality", the growth of students and the cultivation of qualified builders and successors of socialism.

FUND PROJECT

The characteristic project of college education practice in Hubei Province "Micro intelligence Education -- Getting

through the last Kilometer of left-behind Children" No. 2018SJPD4002

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