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## ON LINE INTERACTIVE TEACHING FROM "TEACHER CENTERED" TO "TEACHER STUDENT MULTI CENTER"

**Abstract:** Influenced by the novel coronavirus epidemic, universities have changed their teaching models and explored online teaching. The investment course of the school of economics and management of Anhui Agricultural University uses the online recording teaching method. After a period of teaching practice, we constantly summarize in practice, constantly reform the teaching design, strengthen the interaction between teachers and students, and put forward the improvement measures of the follow-up online teaching, summarize the advantages and disadvantages of the current course online teaching, and hope that with the continuous deepening of online teaching, we can continue to deepen the online teaching, Combining with the characteristics of investment course, we can design better teaching scheme, guide students to play their subjective initiative, mobilize students' learning enthusiasm, achieve good teaching effect and form characteristic teaching scheme.

**Key words:** Investment; educational theory and management; online teaching application.

**Language:** English

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### Introduction

"Investment" is a required course for senior financial majors in the school of economics and management of Anhui Agricultural University. Therefore, we should not only impart new knowledge, but also summarize and apply the relevant knowledge of the courses students have taken. Taking into account the "investment" and "investment" sections of

the course, the "investment" section has been divided into three parts. There are more students in Finance Department of School of economics and management of Anhui Agricultural University, and 199 students of grade 2017 participated in the lecture. In the past, it has been a large class teaching, and the teaching effect is not satisfactory. Now, the use of superstar learning online teaching has brought an opportunity to improve

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the teaching effect. In terms of teaching conditions, Anhui Agricultural University and Anhui Branch of Chaoxing group cooperated deeply, which not only provided powerful and rich teaching functions, but also established the "super star learning Tongan agricultural university teachers online teaching consultation QQ group", which provided powerful, smooth network and seamless multi platform teaching conditions for the online teaching of investment

### II. Teaching ideas of online interactive design

Super Star Learning Channel provides the function of live teaching. However, considering the possible uncertainties in the live teaching process and the flexible learning time for students to leave enough space for the live teaching of other teachers of the college, I adopted the teaching method of uploading and recording the video of the course and a large number of course reference materials. Due to the open breadth and depth of knowledge in senior professional courses, the core highlight of this course is to pay attention to the online discussion and interaction with students in order to improve students' learning enthusiasm and realize the teaching and learning of myself and students. This notice I undertake the practice of discussion and interaction is the quality of colleges and universities in anhui province in 2018 the provincial engineering teaching and research project: the college course grades based on professional quality monitoring research on evaluation method of innovation (project number: 2018 jyxm0291), and according to the super star learning more powerful functions, the university course grades from offline to online evaluation method of innovation, the evaluation of the grades are accurate, the incentive is more effective for students.

Since the course is recorded, there is a possibility that students may not actively watch the teaching video. How to make students actively learn the course video has become the most critical problem to be solved in the online teaching of this course. Therefore, Starting from two aspects of improving the quality of video recording and using the powerful teaching control function of Super Star Learning Com, I take three measures to improve students' learning enthusiasm: first, improve the vividness of course videos, and strive to tell stories in a detailed way, so that students are willing to listen to them; Second, many open questions were added to the teaching video recording, and students were required to actively discuss in the discussion board of Super Star Learning Com, so as to increase students' interest in and understanding of specialized courses. Third, through the weight setting function of super Star Learning Pass course assessment, the discussion board is endowed with relatively high weight of grades and students are encouraged to participate in interactive discussions.

As a college teacher, I responded to the call of the school and the academic affairs department in the first time to carry out online teaching, and joined the

online teaching leading group of the School of Economics and Management as a member and the person in charge of the training of Super Star Learning Access board. Although I cannot directly participate in the people's war against the epidemic, it is also the obligatory responsibility of university teachers to do their own work, earnestly carry out online teaching, and reduce the impact of the epidemic on students' learning. To this end, I stepped up my efforts to record the course video, and combined the fight against the epidemic in the course video recording, to do the ideological and political work of students. I have integrated the fight against the epidemic and the possible impact of the epidemic into the teaching of investment studies to increase students' confidence in fighting against the epidemic, enhance their correct understanding of the impact of the epidemic, and encourage students to closely unite around the CPC Central Committee with Comrade Xi Jinping as the core, stop classes and stay in school, and fight against the epidemic as one.

In the teaching process, recorded video teaching is the main carrier of my teaching, but the highlight of the teaching method lies in the construction of "multi-center teacher-student" online interactive system. In addition to asking questions in the video recording, I also uploaded the complete electronic version of the textbook and a large number of reference materials, most of which came from CNZ, the reading show platform of Super Star Company, and authoritative websites. Through questions and expand the reading, I and the classmates closely around investment related issues, the super star learn positive discussion and interaction with students in the platform, the discussion of the students have relevant knowledge on investment in their own opinions, have pointed out that a judge different with my understand, also have oversight of annotation to the teaching material, and add to my lecture material. In a word, through the interaction and discussion with students, the goal of improving students' learning enthusiasm was realized, new knowledge was gained from the discussion, my teaching horizon was broadened, and the "teacher-student multi-center" teaching system was constructed.

### III. Practice of online interactive teaching mode

#### Teaching objectives

Knowledge and ability objectives: Through learning, students are equipped with strong ability to analyze and solve investment decisions, meet the needs of investment practice, improve investment efficiency, and make investment decisions scientifically. There are risks associated with investment, so students should understand the risks and analysis methods of investment at the same time and understand the necessary risk control methods.

Educational objectives: Through learning, students' professional knowledge and

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accomplishment are improved, their ability to analyze problems is enhanced, their understanding of the investment system under the socialist market economy is deepened, and their comprehensive ability to apply financial knowledge is cultivated.

### Teaching process

In June 2019, Mr. Xia Zhiwei, Anhui branch of Super Star Group, held a training meeting specially for the School of Economics and Management of Anhui Agricultural University. After attending the training meeting, I developed a strong interest in the teaching of Super Star Pan-Ya platform, and applied it in the later courses of Insurance Practice and Investment Science (Minor), with initial results.

On February 9, 2020, Liu Pengling, vice dean of School of Economics and Management, Anhui Agricultural University, began to mobilize the college colleagues to hold online classes. From then until February 14, when the Academic Affairs Office of Anhui Agricultural University officially issued the online teaching notice, I began to sort out teaching materials, prepare for debugging computer equipment, download and install relevant software, and conduct testing and debugging. In order to improve the effect of online teaching, I have also thought deeply about how to apply the 2018 provincial quality engineering teaching research project of Anhui Province colleges and universities, which I presided over, into online teaching: Innovative Research on The Evaluation Method of University Courses' Ordinary Performance Based on Professional Quality Monitoring.

In my past years "investment" in the teaching process, based on the students' classroom questioning, classroom practice, case report, daily attendance, omissions correct, after class to discuss and assist suggest detailed records of performance at ordinary times, each time for each student's performance score at ordinary times, the general performance record 1 minute at a time, very good performance of two points, points out at ordinary times up to seven points. Students who are late, leave early or absent from class will be deducted one point at a time. There is no lower limit. In the final comprehensive evaluation, the students' usual scores (including positive, zero and negative numbers) will be directly added to the paper of the final closed-book exam. Such as the student's grade point average is 2 points, knowledge scores 89 points, then his/her final grade is 91 points, if the student's grades is - 1 minute, knowledge score is 65, so his/her final score is 64 points, if students score of 0 points, then took, achievement is his/her final grade. Using this method, it is possible for a very small number of students to score more than 100 points, and for those students to score 100 points. The innovation of this method has achieved certain results, but there are still some shortcomings, such as the time-consuming and laborious process, the insufficient transparency and openness of the process, the inability

to leave marks in the process, and the narrow scope of discussion.

Software for learning super star passed gradually familiar with, I found that the super star learn software, powerful teaching can be fully realized and transcend the past my offline "knowledge points" adopted by the method, to overcome the drawback of the original at the same time, also can save time in the teaching, make the original point to point to discuss the whole class is common learning. As a teacher, I play the role of the "central node" controlling everything in the original offline teaching. In the Super Star Learning Communication platform, as long as students actively participate in interactive discussions, they can also become the "sub-central node", thus realizing the transformation from "point-to-point interaction" to "multi-center linkage". Therefore, I decided to use the Super Star learning Communication software to further deepen the original usual teaching reform, and to ask and discuss with students on investment related topics online, so as to construct the "teacher-student multi-center" teaching system.

Since February 15, I began to record teaching videos, which adopted the method of screen recording and lecture recording. According to the teaching syllabus, I recorded a total of 66 videos of 10 units, each of which was controlled for 20-25 minutes. With after-class discussion assigned, the total length reached the requirement of 40 class hours. By April 11, 2020, I have recorded and uploaded all the videos. Compared with the teaching plan made by the Office of Academic Affairs last semester, I have completed the online video recording teaching two weeks in advance.

In the teaching process, on the one hand, I try my best to improve the recording quality of the video to ensure its viewability; on the other hand, I adopt a 50-50 ratio of online and offline performance management. The specific performance is 50% at ordinary times and 50% in offline final exam, which not only ensures students' learning enthusiasm at ordinary times, but also leaves room for the final assessment of learning effect. If students want to get good grades, they should watch videos actively and discuss actively, and master relevant knowledge at the same time, and take part in the offline final exam. In the result set of weights, give full consideration to the check-in, discuss interactive, video study and control the balance between offline exam, highlight the discussion interactive plate, specific weight set is as follows: 5%, classroom interaction in 5%, 25%, video learning access for 5%, 10%, discussion offline test 50%, among them, except for offline test 50% are calculated by super star learn software, automatic, transparent, completely solve the disadvantage of the past offline grades in class control.

### IV. Teaching effect and characteristic innovation

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Super star learning Communication software has a powerful statistical function, which can well reflect the learning effect of students. By the morning of April 19, 2020, the total visits to the online course of "Investment Studies" have reached 17,238 times, and the video learning completion rate has reached 65%. In the teaching of this course, the most distinctive feature is the online interaction of "multi-center of teachers and students" in the superstar learning and discussion board. Classmates around "the investment" in the market economic system ", "derived from the portfolio model" market and government relations "short" melting cast risk "" Hefei evolution of investment in fixed assets" "monopoly and the investment" supply "" trade barriers and investment" case MBO, TCL group ", "China's stock market share out bonus features" "investment" in the network economy "of state-owned enterprises and private enterprises in the status of investment" "blue ocean strategy" investment "high and new technology enterprise investment and financing" "neoclassical growth model", "industrial hollowing out" of the United States "investment behavior of such topics as" fully discussed. Some of the topics discussed were questions raised by myself in the teaching videos, and some were topics about students' own understanding of the relevant knowledge of the course. By the morning of April 19, 2020, students had initiated 136 topics in the discussion board, and the number of replies was 120 times. The page length was over 100 pages, and the total number of discussions was still growing. I have read the discussion of each student carefully and scored or replied to each discussion. By browsing students' discussions and interacting with students online, on the one hand, I improved students' interest in learning and the teaching effect. On the other hand, I also supplemented my background knowledge, learned some new materials, and realized that teaching and learning benefit each other.

Taking recorded courses as the main body, weight setting as the means, online discussion and interaction as the characteristics, and teaching benefits students as the purpose, online teaching of professional courses has obvious effects such as learning time flexibility, effective quality control, students' learning enthusiasm and teachers' teaching enthusiasm. Because of its comprehensive teaching capabilities, the teaching methods and lessons learned in this course are easy to replicate and promote. The characteristic teaching method of online discussion and interaction promotes the realization of "student-centered", the basic concept of modern education, and has the effect of transforming from "teacher-centered" to "teacher-student multi-centered".

### V. Reflection on Teaching

After the recording of the course, I also deeply reflected on this online teaching and summarized the following experiences and areas worth improving:

One is to fully understand the advantages of online teaching. Super star learning pass is a mature and powerful teaching software, after continuous upgrading, its functions are very comprehensive. Online teaching based on super star learn software can realize the past offline teaching difficult to overcome weaknesses, such as video recording teaching can make students look back again and again, learning statistical function can let teachers master the teaching situation, quantitative cloud can give students a lot of data, online operation can realize accurate release, online interactive discussion can be Shared with all the teachers and students, sign in and remind function can effectively guarantee the students to participate in, against drag and video switching and other details of the design can enhance the control level of teaching. In the future, I will further understand the functions of learning communication, excavate new teaching methods and improve teaching quality.

Second, online teaching has higher requirements on teachers' knowledge reserve. Teacher is a career that needs lifelong learning, especially in the teaching of specialized courses, many teaching contents are open and have no standard answers. In order to better impart students' knowledge and improve students' self-learning ability, teachers need to constantly update their knowledge. In particular, teachers should pay attention to the use of literature databases and authoritative websites such as CNKI, Super Star Readshow and 21st Century Business Network, so as to provide students with relevant extensive reading while constantly charging themselves.

The third is to join the form of live discussion in the future. Recorded and broadcast courses have the advantages of convenient viewing, avoiding teaching accidents, saving teaching time and convenient learning at any time, but they also have the disadvantages of not being able to interact in real time. In my future teaching, I will specially add live discussion to further activate the classroom atmosphere and improve the teaching effect. Meanwhile, I will urge students who have not finished video learning to speed up their learning progress.

### VI. Teaching resources

In order to make full use of the platform function of Super Star Learning Pass and better expand students' knowledge scope and learning depth, I have uploaded a lot of relevant materials for students to expand their learning, including:

1. Teaching Materials: *Investment Studies*, 3rd edition, Higher Education Press, edited by Zhang Zhonghua; *Investment science*, 9th Ed., Mechanical Press, Edited by Zvi Bodie;

2. Literature category: *Ministry of Communications: Limited Space for Navigation Potential Exploitation by Saturation of the Three Gorges Lock 19 years in advance (Figure); Excerpts from Dam of A Thousand Years of Crime and Punishment; Facing up to the "Useless Use" of basic*



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Research; The Useless Use of Basic Research; The Externality of Environmental Pollution; Space Drive the Progress of Human Civilization; "Space Spillover Effects" everywhere; Lin Yifu VS Zhang Weiying: A "Debate of the Century" on Industrial Policy -- Chinanews; "The US Government rescues the housing market \_ International finance \_ Sina Finance \_ Sina"; Government Functions and Public Objectives of Government; Qualcomm Antitrust Case: Say No to intellectual Property Abuse -- Culture -- People's Daily Online; "Reasonable Monopoly state-owned Enterprises"; The First Severe Punishment of Foreign Enterprises for Price Monopoly in China -- Finance and Economics -- People's Daily Online; The largest anti-monopoly fine in The history of China, Moutai Wuliangye Fined by the Price Department; Moutai Wuliangye Punished for price Monopoly; Judgment on Private Economy in Comrade Liu Shaoqi's Speech in Tianjin; Interpretation of the Decision of The State Council on the Reform of The Investment System; Decision of The State Council on the Reform of the Investment System; A summary of Changes in China's

Foreign Exchange Reserves since 1978. Judgment on Private Economy in Comrade Liu Shaoqi's Speech in Tianjin; Negative List of Investments; Experts weigh in on China's Stock Market as a Casino; TCL Privatized Fog \_ detailed interpretation \_ Latest news \_ Hot events; The Course and Lessons of Hanyang Iron Works.

3. Video: TCL Brainstorm; Why America is So Rich

4. Pictures: Carriage Cartoon about the Relationship between the Market and the Government, Discussion on the Role of the Government by Ancient Chinese Sages

The above are the main course reference materials uploaded by me. The students also searched a lot of literature and made a comprehensive collation, and then uploaded them to the discussion board based on their own views. Due to the large amount of literature uploaded by the students, they did not list all of them.

## VII. Supporting materials of the case

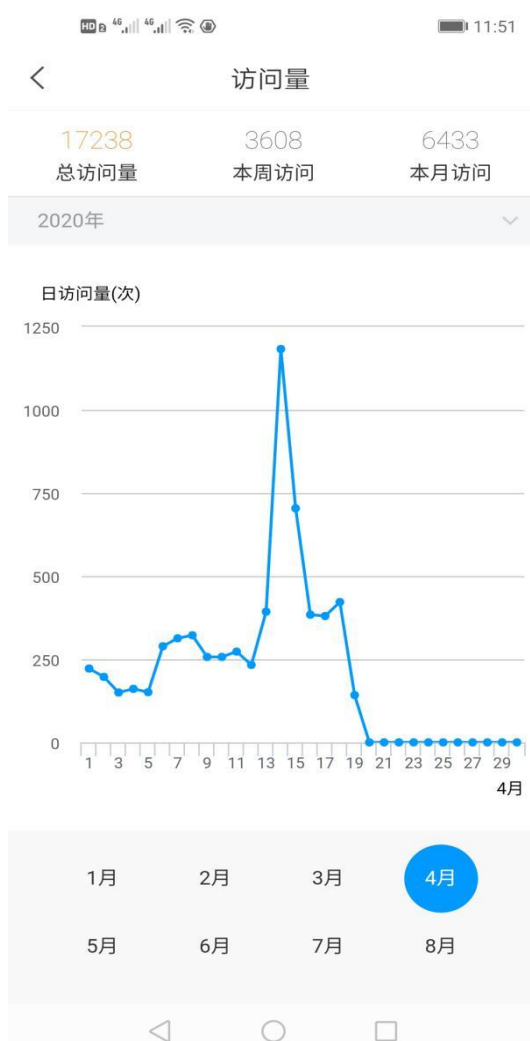


Figure 1: Screenshot of learning statistics (as of the morning of April 19, 2020)

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Figure 2: Example 1 of screenshots of discussion topics released by students

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Figure 3: Example 2: screenshots of discussion topics posted by students

**Fund:** "Research on innovation of evaluation method of university curriculum performance based on professional quality monitoring" (Project No. 2018jyxm0291), Provincial Quality Engineering Teaching Research project of Anhui Province in 2018; Source of funds: Department of education of Anhui

Province; "Innovation and exploration of cooperative teaching mode of finance" (Project No. 2018aujyxm038), Quality Engineering Teaching Research Project of Anhui Agricultural University in 2018; Source of funds: Anhui Agricultural University.

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