

Research on “the Combination of Production Learning and Research” Based on the Scientific Development of the Practical

Li YUAN

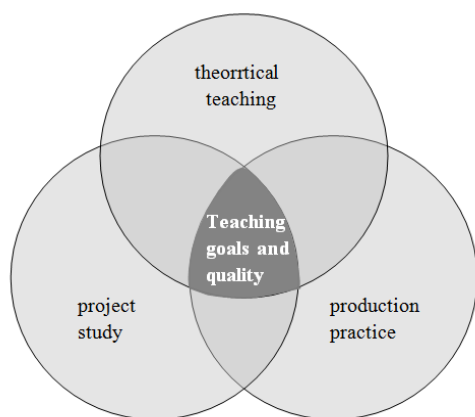
School of Civil and Build Engineering, Southwest University of Science and Technology, Mianyang, China, 621010

ABSTRACT: Formulating the off-campus internship program of teaching is undoubtedly an indispensable practice teaching link in the universities of professional education, its theory testing and teaching practices. To closely combine with the needs of the developing of professional teaching, outside schools should establish a fixed professional practice base construction which will avoid the practice of blind spots and make teaching more stable and professional then have a targeted significance. However, in the practice base construction, the practical aspects are always limited to a single, external and modal level. It is difficult to have deep organic combination of production, study and research. Therefore, to conduct the practical research on combination of production, learning and research of the campus-off practice base, we have to explore a off-campus practice base platform of scientific development idea, then we can promote the victory of production, teaching, scientific research and the corporate development of the locality and the universities.

KEYWORD: Scientific development; Platform of production, study and research; Teaching practice base; Universities

1 INTRODUCTION

Insisting on the scientific development can't only stay on slogans and in theory. After the scientific practice, it will reflect the true idea of scientific development. In college teaching, the professional practice is a necessary and important practice teaching. We should strengthen the outside school practice and practice base construction, after that, we should carry out the organic integration of production, study and research practically and deeply, we can really achieve the training objectives of excellent professional talents.



2 SCIENTIFIC AND PRACTICAL OF PRACTICE BASE PLATFORM CONSTRUCTION

Setting the urban and rural planning as an example, the urban and rural planning professional learning and practice content has the very strong comprehensive, knowledge is very broad, from the field visit investigation, measurement and analysis to the planning and interior design drawings, each stage has updates, analysis and study, learn and closely integrated with production characteristic. Therefore, in the process of urban and rural planning professional construction, effective combining production, study and research of each link, theory and practice, study and research the road of scientific development, will achieve the win-win of the trinity. Through the schools and local related industry professional counterpart cooperation, to facilitate the construction of the professional teaching and scientific research platform, we also benefit the updating and development of the enterprise. The combination of production, study and research of the trinity, will actually make the goal of talent cultivation.

Picture 1. The schematic diagram

2.1 *The place needs a new theory of the new technology to update guidance*

Some local enterprises and institutions related to urban and rural planning, after several years of economic development, as the country's long-term development plan, facing the transformation, such as deepening, the transformation situation. Such as industry adjustment, economic transformation, planning and construction, urban renewal, etc. They need to better development, will need the update of the new knowledge and scientific guidance and decision, therefore, cannot leave the technical cooperation with scientific research institutions, in order to carry out scientific planning and design. College is dedicated to professional theory knowledge learning and update, teaching and research continuously recourse research frontier of the world, constantly enrich the new professional theory. Local production unit also strive to technical cooperation with colleges and universities to carry out research, conspiracy industry constantly development.

2.2 *Teaching requires a combination of theory and practice*

Industry, teaching, professional theory-based learning cannot be separated, but also inseparable part of teaching practice. Theory and practice must be combined in order to know the characteristics and the nature of the real thing, in order to truly test theories of learning outcomes. Only through practice, it can apply their knowledge to improve the practical hands-on and research capabilities. Establish a "research" practical platform, not only to overcome the past practice base through the motions, heavy form, want to come and see the situation left, but in practice can really learn something, it is also involved in the practice followed by professional instructors continuity platform scientific research and design projects; also directly involved in the development and construction of production units and help. Both sides can derive greater economic and social benefits more.

2.3 *Project research need to base platform and research content*

Professional project research, it is necessary to have the research content and local actual support. Establish a "production" and platform for local and school practice bases, undoubtedly is a feasible scientific development ideas. Of course can't blind to select appropriate practice platform and formal, must choose real can meet the requirements of the interest and practice base. Practice base and platform to fully the three aspects of teaching, scientific research and production needs. Ever in the sense of "teaching

practice base construction, generally only unilateral emphasize on the combination of theory and practice of students meet, as for the development of production units, knowledge updating and cooperative research and development, often makes scientific research cooperation and interaction between the two sides and promote appear relationship doesn't try and leave blank. Therefore, it can not only satisfy the practice base for students integrate theory with practice, and constantly and make scientific research topic and content of research platform, can also directly to the research results and practice content completely into the development of production units and the need, even involved in the planning, development and construction of their work, it is all the more the combination of "production" three scientific and developmental, and professional education in colleges and universities teaching target and a reliable guarantee for the quality of teaching.

Here is the "research" work from our professional has been established since the second half of 2008 and plans to establish a research base and carry out the list (Table 1).

3 PRODUCTION PRACTICE BASE CONSTRUCTION

Production and promote teaching, teaching aids research, promote scientific research and production. This "three-pronged research" in the form of organic combination of ideas fully reflects the relationship between the three is mutually reinforcing, mutual influence and mutual development. Establish a "research" construction platform for the development of science, no doubt where the school's teaching and research production and win-win. Thereby, it will promote the healthy development of mutual undertakings and form a virtuous circle of mutual development. Sichuan Wangcang County Forest development and construction under the jurisdiction of Yanjinghe Forest Cultivating and Harvesting Area, for example.

3.1 *The origin of the practice bases*

Yanjinghe Tree Farm is located in the north of Sichuan Wangcang county 62 KM, the forest area 25 KM². Forest diverse landforms, mountains gully developed, distributed rich landscape and biological resources, highly ornamental, tourism and scientific value. Between rates of forest coverage is more than 95%. Base band vegetation is subtropical evergreen broadleaf trees and erects shrub vegetation variety. There are many rare animals in the region, its traces can be found everywhere.

Table 1 2009 to the list of new urban and rural professional "research" practice base construction and development

Base platform	Production needs	Teaching needs	Scientific research needed	Main Outcome
wangcang Yanjinghe Forest (Built in 2009)	After logging ban forest forestry industry model way to promote change, seeking to protect and develop forest scenic resort area. The need for long-term planning and design	Landscape Planning and Design and Scenic platform requires practice. Jointly established landscape, topography, plant practice base. And in April 2009 signed a cooperation agreement internship base. Practice to regularly carry out an annual	Scientific cooperation between the two sides, on the scenic protection and development, has proposed a technical solution. Phases at different levels of scientific research and planning to expand.	Since 2009 has been the scenic design, development and design more than 20 attractions. Cooperation scenic forest master plan, completed the planning and design of the main attractions and hospitality center design. Including ancient temples and the surrounding landscape restoration and design history of the cave and nitrate hole research and development to establish a research intention. Currently tourism began operations. Now declared national scenic area. Cooperative achieved remarkable results. Three research papers published.
Santai County Qijiang Old Town (Established in 2012)	Old Town Historic Districts need continued protection of ancient houses and landscape design; the development of tourism industry	Protection and establish the historic townscape, tourism development and traditional architecture, architectural history of the Han culture, education and conservation planning	Since 2011, it has been combined with the declaration of national social science projects and international cooperation projects 2, specifically to carry out the ancient town of regional culture and ancient architecture protection and tourism industry planning.	Has established a research and teaching intentions partnership with local. Guzhen published a research monograph, published research papers related to the ancient town of nine.
Chongqing Wanzhou District Planning and Design Institute (Established in 2011)	Place needs a lot of planning technology support. Especially regional survey, urban space survey, older facilities, ecological conservation and other programs. Collaborative research and planning needs	Urban and rural planning professional many economics, sociology, regional planning, overall planning of teaching requires practice platform, can be arranged in different stages of the practice teaching	Research collaboration of regional planning and landscape design collaboration	For three years, the reception cognition practice, the various stages of production internships, graduate internships and other student interns 52 passengers, five year retained for three years. 2014 established three practice base housing, a cafeteria. Can accommodate a one-time student is 20 people. Three teachers and the practice of research completed three major projects currently in the research one.

Since the implementation of the National Natural Forest Protection Project, forest from logging into a sterile timber, forest protection. Due to limited timber harvesting, idle staff increases, most of the staff were dismissed, the staff can't be guaranteed basic benefits. Currently there is a problem is poor infrastructure; weak economy; lack of talent; the concept behind the reform.

In 2008, through the joint, the reconstruction can help schools and local authorities to carry out a survey of post-disaster assistance programs. School teachers and students organized a field trip went to the forest, quickly launched a demonstration forest tourism development and recommendations. Proposed construction of "Yanjinghe forest scenic resort area" scenario and joint analysis of the opportunities and advantages of forest exploitation faced and proposed development measures:

(1) Good area planning and design, strengthening infrastructure construction;

(2) Encourage employees to go to learn, into the county into the ideas and thinking, to enhance the brand image of the forest;

(3) Excavation of existing forest resources, the development of a diversified economy, to avoid a single economic model;

(4) And the formation of the joint development of tourist areas around the tourist area, enhance the overall competitiveness;

(5) Attractions Development should continue to tap the humanities, natural resources, build ecological characteristics of leisure tourism.

3.2 Bases and "research" Practice

On the basis of the survey analysis, in August 2008, teachers and students to go to the scene quickly embarked on the scenic site planning and design. The principle of support services, submitted 22 design drawings and design reports 1 6000 words. Design planning for forest conservation funds of about 10 million, and for the development and construction of forest provided advice. 2012, has conducted two site visits to explore the forest, landscape restoration carried out design, design a lot

of collaborative research work for the cultural landscape of forest planning.

Through scenic forest planning and design practice issues, both sides felt the teaching units and production units combine practical exercises to carry out teaching, research and development needs of the production units. From landscape to create a little forest area into a wish to see the development, see the development prospects of future design. This huge change, forest let people see hope, they are a big school of teaching and research forest scenic stationed pleased. Also fully aware of the need for scientific guidance to forest development requires specialized research, but need to rely on the cultural and scientific development of the knowledge acquired. To this end, the two sides proposed the construction of teaching practice base, the local schools to provide a platform for practical bases and scientific research. To carry out teaching and research internships cooperation ideas from landscape scenery, landscape, as well as three plant landscapes. You can clearly feel the protocol reflects scientific research. "Party for the Party in the resort area of established teaching practice base, involving relevant aspects of scenic resources, plant resources, geological resources and other"; "During the official practice, the A Party for the B Party to provide convenience and preferential accommodation and catering and accommodation in accordance with. 50% of the conversion price will be concessions, catering concessions may be appropriate under the circumstances if the implementation of the ticket system and give free support."; "B forests can provide free planning and construction and development proposals for the Party of forest reference. The planning and development projects

require the commitment and participation of B, B can be specified in the relevant countries, the negotiations give preferential market price is lower than on. "

Currently, the annual number of institutions received professional practice. We received a total of three years in which landscape and plant expertise of students 160 people.

4 CONCLUSION

Build a "research" practice platform, showing excellent teaching university research in scientific and developmental. Production units have been brought science to guide teaching and research; the teaching practice with the theory and practice of practical learning content and perceptual points and the opportunity to combine workout; with the production of scientific research units to provide regional platforms and ongoing research content, while supported by the production units. This practice base construction is in line with the scientific concept of development ideas and local schools and the teachers and students of the common interests and aspirations. Also in line with the law of real thought and teaching of science teaching, it is worth continued to develop and advocate.

REFERENCES

- [1] Yao Ping, Establishing Effective Tutorial System, Architecture Education Reform Theory and Practice 9th volume, 2007, pp. 145-147.