Experience Communication About Teaching Internship

ABSTRACT

The curriculum of teaching practice in the College is an important linkage between the knowledge and practical operation, as well as between the university study and the working practicum after graduation. Through the internship in the laboratory, the students could understand the theoretical knowledge better, and to a certain extent, have a general idea about the development procedure of a certain product. The teaching and researching experience about the overall internship, both of specialty and comprehensive curriculum, including the preparation for the course, the determination of the internship syllabus, student management and the ideology of directing the work, the function of modern information technology and the reflection after the course etc was summarized in this paper. Also, some problems and puzzles encountered in the course of the practicum were put forward for the purpose of future specialty development and investigation to the appropriate solution in addition to the author’s opinion. The working experience communication was hoped to play the role of inspiration and illumination for educational colleagues to make further research on and improve the present teachings.

Key words: Teaching internship, experience communication, practicum syllabus, teaching method, modern information technology.

INTRODUCTION

The teaching internship generally is divided into the following categories: visiting and perceptual cognition practice generally relating with certain theory curriculum, the practicum combined with single course, practicum about basic worker category in a specialty on the basis of some skill level, the practicum relating to the rotation of work category and comprehensive internship commonly performed under the production conditions with multidisciplinary characteristics etc. As regard to goal and task of the curriculum, it could furnish the students with basic operational technique needed by a main and relating profession category, help student grasp the background and specialty theoretical knowledge. Besides, the teacher could organize the students to finish production task strictly conformed to the legislation and regulation to create fortune for the country. The practice curriculum could also cultivate the students professional emotion and ethics and good characters of respecting, learning from and cooperation with others.

It is the basic requirement of the comprehensive internship that students have multi-dimensional understanding about the main and concerning courses of a certain subject besides being familiar with the basic principles and their application in specialty practicum. The work about the sophisticated course was established on the basis of curriculum-relative experiments, primary teaching practice and experience about the instruction to graduate paper design, as well as, the close relationship of the theoretical knowledge with the daily life practice (Xin, 2010; Jing and Baoguo, 2013).

Accordingly, it requires higher overall ability and quality derived from the tutor responsible for the educational practicum course. That is, knowledge storage, experimental techniques, working environment even the family background and genetics are all contributing factors to result in a satisfactory implementation of the internship.

The practicum education is especially important from the point view of both constructing the university with...
regional characteristics, graduates career pursuit and serving for the regional economic development. Experience introduced in the paper is mainly about basic practicum linkage, which embodies preparation, the information about inspiration sources, task arrangement and performance, operation training, timely guidance, summary and evaluation work carried out in the laboratory and workshop on campus. It is such a pleasure to share the working experience with colleagues in expectation of further communication and better improvement on the level of teachings in the future.

THE SYLLABUS DETERMINATION

Before the teaching internship, the preliminary preparation including the appropriate orientation, the syllabus determination is an indispensable pre-requisite (Jing and Baoguo, 2013; Shaoqi and Liping, 2012).

It would be better to solve the problem from the following five aspects: first, the theoretical knowledge that the student learned from the textbook is the premise and basis of the completion of the internship program. Second, the accessible experimental facilities and equipments are the objective condition to guarantee the internship tasks completion. Third, the average teaching level and the authentic attitude towards the course from the society and school are the outer inspiration that encourage students to make the best efforts to finish the exercitation assignment. Last but not the least, the practicum design originated from the daily life which serve the purpose of improving life quality. Moreover, the collaboration between the specialty teacher and the tutor in charge of the student work is supposed to provide a spiritual impetus and solid ideological platform for the students to accomplish the work included in the internship syllabus (Yupeng et al., 2011).

Generally speaking, comprehensive internship of engineering was always designed by means of developing a certain kind of product in the laboratories and workshops which has some features same as the specialty practicum with more flexible performance style to achieve the goal. It is the responsibility of the teacher to make the final decision on the experimented items and technique procedure. The specialty contents of the internship were divided into several groups according to the students' ability, integral quality and interest in solving certain problems. That is to say, with the instruction of the teacher, the students would undertake the internship work independently which involves the research on the development of a certain product as well as, the process optimization.

The reasonable internship syllabus in line with the actual circumstances was beneficial and necessary for both the student and the teacher. The educational background of different present specialties, including specialty cultivation goal, average teaching level, as well as, the university’s traditional and regional resource advantage is the essential factor required taking into account to draw up a particular exercitation plan (Zhixiang, 2015; Lu et al., 2015).

Furthermore, the limited time and the fiscal budget allocated to the practicum are objective constraints that must be taken into consideration.

IMPLEMENTATION OF THE PRACTICUM SCHEME

Arrangement of the internship scheme

The practicum tasks are supposed to be settled down as early as possible. The work arrangement before the practice is an important link of the procedure chain. Only with the adequate preparation, could the internship have a solid foundation to be finished and the effect would be better. Therefore, it is expected that the internship task of the practicum which includes the selection of the method and the formulation of the experimental plan is settled at the beginning of the semester. To avoid waste in brain power and financial resources, the consequential work is better considered before the arrangement of the internship is settled. The interesting issue arisen in the period of the practicum could be regarded as the connection from study to research in the cooperative development of production and research.

Train students’ professional quality according to certain criteria

In the process of practice, it would be better if instructors pay more attention to cultivate the students’ good habits. As far as the synthetic practice of food additive application is concerned, the necessary appliances and items, such as small spoon, fork, a small cup with handle, saucer, toothpick, chopsticks, disposable gloves and the portable bag used for carrying the aforementioned items must be carried in person, besides wearing clean uniform in every day operation. Such measurement can help students major in food science and engineering and other disciplines to build up good qualities including strictly sanitary operation and the conscientious sense of energy saving and environmental protection according to the requirements and standards of good manufacturing practices, standard sanitation operational procedures and hazards analysis and critical control points (Xiangyang and Jianyou, 2013).

The reasonable teaching methods and timely adjustment

It is quite possible that all students can complete the task in time and even return the teacher surprising and
unexpected achievements sometimes as long as the teacher's teaching methods and measurements are appropriate. It is an art for the educator to adequately motivate and enlighten the students' inner activity and enthusiasm with the right professional attitude toward the cause of education.

**Supervising and regulating student as the equivalence with respects**

The teacher is encouraged to respect the students' knowledge application, regard them as the equivalent counterpart and support them in the design of the algorithm with statistical literatures to save the raw material and precious time, as well as, promote their self-confidence to finish a certain task independently. But the role of student's central character in the practicum is monitored with teachers' supervision and regulation. It is not only needed timely identify and recognize the achievements for a period of time that the students achieved, but it is also necessary to point out the defaults required efforts to obtain improvement. The purpose of the measurement is to encourage both students and teachers to kick off certain obstacles in heart and soul and embrace precious breakthrough beyond expectation by means of studying and researching in the process of internship.

**The flexible experiment arrangement**

The climate condition, environment circumstances and geographical areas are the most important elements which must be taken into consideration for the teacher allocating assignments to the students and fulfilling the syllabus scheme (Hongrui et al., 2016). It is sensible and necessary to regroup students before and during the process of practice according to the extent of their assignment completion to bestow everyone the opportunity to do a good job and complete the internship task together. Setting the students free of both heart and soul to try and examine their operation ability all by themselves would certainly return the teacher with the result totally beyond the expectation.

**APPLICATION OF THE MODERN MULTIMEDIA INFORMATION TO EXERCITATION**

The modern multimedia, such as 3D film and satellite television, provides us endless and valuable experience for reference to fulfill the working task with its interesting and constructive characteristics. Their serious and conscious attitude and style of settling down the practical tissue, such as Jackie Chan's programme about environment prevention through advocating garbage classification, and the film Aquamarine directed by Stephen Chow could also build up the student's sense of lessening contamination step by step with real action both in internship and daily life. One food programme in Zhejiang satellite television, CHEF NIC hosted by Nicholas Tse is a vivid combination between food engineering, technique and real daily life.

As one of the advanced educational measurements, there are so many original and ingenious ideas from modern information technology for different specialty teachers' reference to find spring and beneficial experience to complete their work. For example, you could find fruitful material in the website www.nasa.gov, such as the emission of spaceship Atlantis, successful connection between air shuttle and international space station, the tedious astronaut performance on extra-vehicle activity, and the provision of astronaut foodstuff etc. Surely, almost all those seem nothing to do with the present teaching practice, but it does provide overall assistance and encouragement, as well as, pressure release and capability improvement with its silent transforming influence to those excellent stubborn humans.

**THE PROBLEMS OCCURRING IN THE PROCESS**

**The conflict about teaching ideology**

There are two general pathways about the scientific research method. The first is form the theory to be practiced, which means the work was arranged in order carefully and consciously. It is surely not too much for enough preparation beforehand and favoured by both administrators and teachers who are willing to settle the scheme ahead of the schedule for the convenience.

On the other hand, although it is also playing an important role for the second researching method, from the life practice to the theory, it seems it is not favored by working staffs for its style at random and absolute instability or uncertainty, which is an important supplement for the popular teaching methods and have a very good effect on encouraging students' enthusiasm of innovation. For its undesired character, the teaching method is not welcome as much as the orderly work arrangement, especially for the exploration of an applicable internship curriculum, which would raise a series of problems and obstacles during the process of implementing the schedule.

**The possible puzzle and physiological problem inside the students’ heart and soul**

It is necessary for an excellent educator to prevent an accident occurrence in advance with positive attitude and rapid action with high efficiency to terminate bad tendency and unhealthy phenomenon. To avoid transfer of the troublesome pressure and burden to the student, the
appropriate and repeated explanation and illustration is necessary. Although without students’ oral complements, the teacher should not take advantage of their innocence and silence to kick off the obstacles and difficulties ahead of the working process. It is expected that the instructor create an agreeable and harmonious atmosphere for students to accomplish their studying assignment.

Either innovation or entrepreneurship are all demanded at certain basis and background; it would make the students fall into the dilemma of confusion that only provide full discussion and escape from the real situation ahead of the right corner. The evaluation about the difficulties to cross the gap between the knowledge and life practice, which turns professional information into material resources to bring home the bacon is indispensable. Although sometimes the students could not realize clearly and expressed what they are bewildered about, it needs calm and conscientious action to get rid of the possible puzzle and physiological problem inside their heart and soul; try to arouse them with the attitude of working hard to earn their bread full of self-confidence.

CONCLUSION

Constant hard working and endeavour guarantee the success of any practice teaching. The appropriate attitude towards the entire process of the comprehensive internship from the beginning must be rigorous and conscientious. It is the necessary understanding and investigation that entrust the teacher proper positioning of teaching ideology, practice content selection and the definite object or goal to carry out internship work efficiently and obtain some expected achievements. It is a good idea making full use of the modern multimedia and information technology to complete internship. There are so many fantastic films and programme in present information age for teacher’s reference to broaden and illuminate both thoughts and eyesight.

In the process of practice, using rational teaching methods is the important component of practice teaching. To provide the students systematic cognition of the relative courses, further investigation about the possibility of closely collaborating and coordinating relative curriculums of teaching internship is needed. If the relationship between curriculums closely linked presents as feeble as fragment of knowledge, beyond all question, the improvement and development really needed is there in future.

Finally, the educator could obtain the spur that activates his exploration to make better achievement while guiding the student carrying out the research with his or her enthusiasm, which is a beneficial win-win situation for both teachers and students. The valuable quality of independent thinking and obedience but not blindly following is one of the excellent characters possessed by those outstanding people who could keep and stick to their personality and individuality, as well as, one goal of talents cultivation in the university education.

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