

Rail Traffic Specialty Educational Practice to Overall Quality

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Abstract. Training of Transportation's goal is to solve the traffic problem of the demand for professionals in all modes of transport available. Improve the overall quality and scientific research and practical work to enhance student ability to solve practical problems is the basis of undergraduate education' goal. This paper under the gradually increasing pressure on employment background, takes improving the student overall quality as the goal, discusses the student quality enhancement under the fast development of transportation profession.

Keywords: overall quality, rail traffic, practical

1. Introduction

Currently, in the stage of rapid development, transportation is the link to promote economic development and urbanization. Cities are all investing in strengthening infrastructure construction, and do greater efforts on improving transport efficiency and service quality [1-3]. However, the traffic jams and various traffic accidents caused huge losses to people's lives and property, which indicates that there are a lot of traffic issues to be solved, and requirement for various kinds of professional and technical personnel is huge. But employment situation of transportation professionals is very serious. On the one hand, a large number of traffic graduates face unemployment after graduation, on the other hand enterprises could not find appropriate talents, all these above has become a serious social problem. Duty of transportation higher education is not only to teaching and educating, but also training more useful talents to the transport industry[4-7]. In the face of current economic, social environment, reflection on education leads to the answer of college student with weak comprehensive quality, how undergraduate education to response and which kind of educational practice should be induced became solution to completely solve the problem of inadequate quality of students.

Ministry of Education (2007) 2 requires that" we should pay more attention to practical aspects, improve student ability in practice, vigorously strengthen the experiment, field work, practice, and graduation project (thesis) and other practice education, in particular the enhance of professional practice and graduate internships and other important links". From the view of teaching, the objectives undergraduate education of transport majors need to be further clarified, which is not only adapt development of transportation industry, but also necessary for students personality development, improving teaching methods and issue of single teaching. In the teaching process, we must have a clear grasp of the staged knowledge and comprehensive training of undergraduate education, and take teaching objectives as the key link, to improve the curriculum provision, teachers' quality, etc. Cases education and research activities can also be combined to enhance student ability of solving practical problems.

Yearly amplification of higher education enrollment has lead that supply growth rate is much higher than the employment unit's digestion, and labor market needs is less than excess supply of graduates, however,

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this article believe that increasing quality of undergraduate transportation, and enhancing the ability of university graduates to solve practical problems is basic starting point to meet the society employment needs.

2. Teaching and Research

Over the past years, the universities didn't adapt to the increasingly stringent requirements for higher education proposed by the job market, namely, human capacity requirements. In the whole university education, education of knowledge is still a very large proportion. And single exam-oriented education restricts teachers' thinking. Theoretical knowledge and problem-solving ability of the corresponding construction of students is still very weak. College students may have the professional capacity, but they are lack of "the ability of solving problems" which includes asking questions, obtaining information, displaying professional competence to meet the practical needs and so on. Idea regulation and examination system reform will give students more time to cultivate humanistic spirit and innovation.

The specific measures, including standardizing examination bank building and separating teaching and testing education, may promote the development and improvement of teaching and research activities. Reasonably completed question bank is an important aspect of improving the quality of teaching. It will effectively detect student understanding and grasp of knowledge to help them form the overall framework of subject knowledge. The separation of teaching and testing may set the teacher free from the examination of thinking in order to think better and explore the key and difficult transport problems and organize students to participate in various research activities, turning student of passive memory type into students of skill training type.

Undergraduate students can participate in various research and practice. Though selecting issues, doing research, writing papers and completing projects under the guidance of the teachers, the capabilities of social practice and scientific innovation will be improved. The transportation professional training contents are conducive to consolidate, deepen and expand students' knowledge. In addition, to achieve fully exercise, the trainings must face to practical engineering problems and search for more means. As the scientific research practical topics often need to adapt to the requirement of technology development, the topics all have practical value and theoretical significance.

The topic sources include both topics of national scientific and technological key tasks and commissioned by companies and organizations and teachers' research tasks or self issues, etc.. They formed a win-win model. And at the same time of the formation of research result, graduates who are full of ability of solving frontier issue and can bring more contribute to society will be cultivated. The form of classroom teaching can be diversified, for instance, the "seminar" system, to stress the lively discussion during the lecture so that students can build knowledge system according to actual situation and improve their own quality levels. Universities must let students develop the habit and capacity of thinking and researching at the undergraduate lever, help them to found their interests and expertise during their studies to find out their professional orientation and enhance the awareness of life planning and make them learn related knowledge with purpose and participate in practical activities to enhance social skills. Then the students can walk up a way of successful life that suit their own development as soon as possible after graduate and realize their own value and value to society.

Of course, considering undergraduate's knowledge reserve and skill, we must also strengthen the management of teachers: for some high-tech or cutting-edge issues, teachers should explain the content in detail, take full account of the time and ability level of the design, content should not be too complicated, not too big.

Teachers should make a greater effort in the selected topic, increases with the actual traffic engineering project related topic, lets the student have the interest to the paper topic, improves the overall quality and the scientific research and the hands-on background through the graduation project.

At the same time, teachers should train students to conduct scientific attitude, and resolutely not allow students to copy other people's research results, even using existing data, but also has its own independent analysis and opinion. The transportation classes institutions of higher learning are provide the national economic construction engineering and management talent.

To foster modern qualified engineers and managers, requests us to speed up the educational reform step, during the development of the number of undergraduate course, fosters the talent quantity to enhance the quality of training

3. Conclusions and Reflections

In order to improve student's own quality, we should train the student's ability through the entire learning process and also consider the position of students. To raise the project talent student or the research talent student, we must plan the consideration in the educational model and the resources deployment in the education system, to enable students to meet the needs of the community environment and arduous task. Take the social demands as the guidance; we enable the student's skill obtaining the full scale development.

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5. Reference

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