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Development profession adaptability for students Crop Science

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Abstract

In Vietnam, Crop Science is one of the highly appreciated disciplines in the Agriculture sector. This is a major that has contributed and played an important role in the development of Vietnam's agriculture. In training human resources for this industry, helping students adapt to their careers to develop professional skills and competencies have great ideas about theory and practice. Research results contribute to enriching concepts and theories in vocational education, are those who suggest in choosing and applying effective influences to develop students job adaptability in the real world. Study and practice vocational training at university, thereby contributing to the improvement of vocational training quality.

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1. Introduction

Along with the trend of internationalization and globalization, the education and training of Vietnam has been given priority in this position. Leading position in the system of national development policies, student must be trained in an effective and rational educational process, in which special emphasis is placed on helping students adapt eh. After graduating from computer, students will meet the following requirements: have advanced knowledge, practical skills in computer science and technology. Be sure, have the ability to work bright, have the ability to think critically, critically and problem - solving skills, have the ability to solve problems. Highly adaptable to the dynamics of the labor market, able to use English in their work, study and work after graduation. In order to meet these requirements, students need to be able to cadapt and adapt to the profession.

Occupational adaptation plays a particularly important role in career activities, helping individuals to have the ability to change the characteristics of their career. Psycho - physiological and personality appropriate, to meet the requirements of operation, to achieve labor efficiency and to improve labor productivity NG. To best adapt to the job, individuals need to practice adaptive skills. For graduate students, the process of career adaptation and career adaptation helps students quickly adapt in the process of learning and practicing to develop professional qualities and competencies. Therefore, the research and development of career adaptability capacity for students majoring in Plant Science is of great significance both theoretically and practically costn.

2. Contents

2.1. The concept

Competency - Is one of the important *factors* in personality structure. Some authors say that: A person who is capable is a person who is highly effective and has a high level of activity in other circumstances. Each other" [3].

Occupation is understood as "specialized work according to the assignment of society" [9]. It can be understood: A profession is a labor activity in which people are using knowledge and skills. Skills to make certain products of some kind or spirit, which can meet the needs of society and herself.

Profession, profession, in the sense of the word means professional work that is systematically defined, which requires a certain degree of qualification. Something to do to carry out basic operations, to help people grow and develop [7].

The author Klimov EA defines: A profession is a person who uses the spirit of human labor and spirit. Find a way to save money for people who are able to use their own labor to earn money. Necessary currency for business and development [1].

Occupational adaptive capacity has the characteristics of a common ability, and also has the characteristics of a particular ability. It includes both the general attributes of intelligence and personality, and must have appropriate psychological conditions to the change. I have a certain specialized activity. Occupational adaptability includes the content of certain products and occupational competence, "is the correspondence between the special interests of Human physiology, with the requirements set forth by the profession [2], is "the ability to work and the work is to talk about the profession and ethics" [6], "are classified as b in 3 components: professional knowledge, professional skills and attitude towards the profession. "The value of a profession is in professional knowledge, professional skills, service attitude, which is also what makes the value of goods and services. Labor stasis ..." [8].

Vocational training includes the following basic elements: Vocational knowledge; Vocational skills; attitude towards the profession; practice results.

Career ability and job adaptability have a very close relationship with each other. It is also considered a profession, but it is special in that it must be expressed in concrete terms. In a certain number of certain professions (There is no general adaptation, there must be adaptation in the specific field of occupational activity, for example adaptation to educational activities, which are closely related to the training of teachers' skills,...), and it not only manifests in its ability to change and forge skills, but also manifests in other places. She has changed and forged skills.

Crop science is a branch of agriculture in order to train human resources for Vietnam's agriculture. Plant science is the study of factors affecting plants such as light, temperature, fertilizers, combined with factors that cause plant diseases such as pests, weeds, and plants. At the same time, the discipline also helps learners to implement different methods of plant propagation, crop cultivation techniques, and plant protection measures.

2.2. Developing career adaptability for students Plant Science

The development of career adaptability capacity for students The Crop Science major is an important assignment to help students meet the requirements of horticulture. One of the measures to develop vocational adaptability for students The field of Crop Science is a close collaboration between lecturers and seed centers, Department of Agriculture and Rural Development, Agricultural Extension Station, businesses and cooperatives (plant seed companies, companies). Fertilizers, farms, agricultural cooperatives, crop care companies, etc.); organizations at home and abroad or can create their own production and service jobs in the field of Crops. ... in vocational education for students ; Developing students' self-study, self-research and self-training capacity ; Having a reasonable form of career counseling for students at the University will sustainably develop vocational adaptability capacity to improve the quality of student training. Plant Science.

In order to ensure the sustainable development of the country and meet the development requirements of the times, each student of plant science must be trained in an effective and reasonable educational process, in which paying special attention to helping students adapt to the profession.

Students in general and students The plant science major in particular after graduation needs to ensure the following

requirements: having modern knowledge, solid professional practice skills, being able to work creatively, having independent and critical thinking and problem-solving ability, high adaptability to labor market fluctuations, work after graduation... To meet those requirements, students need to have adaptive capacity and job adaptability.

At university, many students still have not clearly defined their goals, ideals, career motivations, and their ability to adapt to learning and vocational training activities is still limited. Not yet equipped with the necessary knowledge to form and develop adaptive capacity, have no skills, or even clarify the contents of their job adaptation, so students face many difficulties in In the process of learning and training, many students are still confused about their career choice. That significantly affects the interest, learning outcomes and career training of the students.

On the other hand, practice shows that there are certain limitations to the quality of students after graduation. Many students are not prepared to be ready to participate in professional activities, they are still confused and find it difficult to adapt to the requirements of the real working and professional environment - the environment has many differences with other students. Theories that you learn at university. The skills to adapt to the profession and meet the increasing requirements of modern agriculture are still limited. This significantly affects the quality of vocational training in universities in the current period. Occupational adaptation plays a particularly important role in professional activities, helping individuals to change their psycho-physiological and personality characteristics accordingly, to meet the requirements of their activities, to achieve effective work performance. Work and improve labor productivity. In order to best adapt to the job, individuals need to practice job adaptability.

With students In the field of Crop Science, the process of job adaptation and career adaptability helps students quickly adapt in the learning and training process to develop professional qualities and competencies. Therefore, the research and development of vocational adaptive capacity for students The field of plant science has great significance both in theory and practice. The research results will contribute to enriching the concepts and theories in vocational education at universities, making suggestions for educational managers, lecturers and students. Plant Science major in selecting and applying effective impacts for career development for students in academic practice and career training at university, thereby contributing to improving the quality of vocational training.

2.3. Specializing in the professional practice of students majoring in Crop Science

In the university, the "profession" being taught to students majoring in crop science is a "model" of horticulture. It is not an environment of production and cultivation that is taking place in export establishments. However, participating in active learning in the "model" school has a decisive meaning for students, equipping give them basic knowledge and skills to be able to participate in "practice" in the real environment later. If they apply the factor, they will easily adapt effectively to the real career environment after graduation. The "model" of vocational training at the university is specifically specified in the professional training activities of students majoring in tree science plant.

Purpose of the activity to forge the profession of students

majoring in Crop Science that is: having professional knowledge and basic practical skills in horticulture, planting techniques, plant care and post-harvest preservation; identification, measures to control pests and weeds harmful to plants; know the arrangement of crops in an agricultural system, on a farm; knowledge on controlling seasonal fruit and flowering trees so that crop production brings high economic efficiency; knowledge of crop production applying high technology, producing crops in the direction of clean and safe for consumers; know the technique of isolating and producing some edible mushrooms; Knowledge of propagation and selection of plant varieties.

The content of professional training of students of plant science is: cultivating professional knowledge, assessing the relationship between the theoretical basis and the contents. Practical training in pure breed selection, hybridization, tissue culture and quality control of plant seeds. Evaluation of the relationship between the theoretical basis and the practical contents of training on the investigation and treatment of insects in the field.

Methods of forging career of students majoring in Plant Science These are: focus on self-directed learning, self-education, active participation in regular training activities and activities living alone seed centers, Department of Agriculture and Rural Development, Agricultural Extension Station, businesses, cooperatives (plant seed companies, fertilizer companies, farms, agricultural cooperatives, care companies) plant squirrels...); organizations at home and abroad or can create their own production and service jobs in the field of Crops.

The forms of participation in professional practice activities of students majoring in Crop Science are very diverse, closely related to the activities. Training and educating students at university such as forge 1, forge 2 in class, at home, in groups, in groups, different types of organization At clubs, seminars, in social activities, in educational practice, in scientific research.

In the process of learning and practicing at the university, the motivation is very important to the effectiveness of their activities of a student. These motivations will be the ones that motivate students to actively participate in career training activities, overcoming all obstacles difficult to meet the requirements of vocational training activities. The positive motivations that must be built in students are the motivations that they will get right, because tomorrow is the day industry", for "building the richest country in the world, for a just, democratic, and civilized society" [4, p.6]. The motivation to achieve, the motivation to work, need to build a positive attitude, have a sense of self-consciousness, and be proactive their enthusiasm, spirit of marketing, humility, determination and willpower on the way to forge their own computer profession. The article focuses on the promotion of digitization of the types of organizations in vocational training activities.

- Purpose: To improve the efficiency of vocational training, to help students have the most favorable environment, and to build a foundation of knowledge. To form and develop professional skills, improve vocational adaptability capacity.
- Meaning a: The method has practical meaning in creating the best conditions for students to practice their profession. The program provides students with important career skills such as: Identifying situations with problems related to crops such as: nutrition, yield,

pests and diseases, post-harvest losses, yield, etc., provide treatment plans (qualitative analysis, laboratory tests, experiments on hypotheses) for plant system.

- Identify problem-solving hypotheses to simplify complex agricultural situations.
- Have skills to communicate information to listeners, to disseminate techniques to producers.
- Experimenting and discovering knowledge: Having analytical skills to form a research hypothesis. Choose an effective data collection method to solve the problem. Arrange scientific research experiments, organize the arrangement to form non-empirical data collection to solve problems.
- Improve student's career awareness, build and strengthen student's career interest and love.

2.4. Close cooperation between lecturers in the university and agricultural officers in vocational education for students

Purpose, meaning

- **Purpose:** to help students adapt quickly to the reality of the farming industry.
- **Meaning:** It is of great significance in creating a regular connection between the educational process at the university and the actual working process at the seed centers, the Department of Agriculture and Rural Development. Agricultural extension stations, enterprises, cooperatives (plant seed companies, fertilizer companies, farms, agricultural cooperatives, crop care companies...); domestic and foreign organizations or can create their own production and service jobs in the field of crops. Especially the close relationship between university lecturers and units in all aspects, creating conditions for students to learn reality flexibly, in all possible conditions and circumstances, thereby help them quickly adapt to a career when they graduate from school.

3. Content

- University lecturers and agricultural officials develop and implement plans for students to learn and participate in practice regularly in agricultural units with the following contents:
- Organize for students to listen to reports of experience on cultivation in the units of agricultural and crop officials such as: Experience in observing fungal diseases on crops: fruit trees, industrial plants; experience on the main pathogenic bacteria on food crops, vegetable crops, industrial plants, fruit trees and flowers; experience in farming, farming techniques; Experience in plant breeding.
- Organize practical groups for students to learn more. Guide students to design and participate in organizing activities to select and breed plants: vegetable crops, food crops, industrial plants, fruit trees, flowers; practice agricultural techniques.
- Educating, arousing career enthusiasm, career love, and career ideals for students majoring in plant science.

4. How to perform

With the content of listening to the experience report

- University lecturers in collaboration with agricultural officers in the above-mentioned units make specific plans for the content of the report. The agricultural officers wrote the report.

- Students listen to the report.
 - After listening to the report, students can exchange and share with agricultural officials to learn more about the topic of the report and practical issues in farming.
 - Students can talk about their feelings, experiences gained, emotions formed, after being exchanged and shared.
 - Collaborate with agricultural officials in the units to plan specific practical content for students, organize for students to participate in practical activities, test and evaluate the actual results of the project. Students, complete and supplement for the following activities.
 - Experimental lecturers contact, meet directly with agricultural officials in the units, plan to participate in practical activities on agriculture and crops at school in 2 sessions/week /student.
 - Ask students to write harvest reports about field trips with the following contents: Findings about plant breeding activities, agricultural techniques in agricultural units, knowledge and skills The ability students gain, the sharing and emotions when being regularly exposed to activities in real units.
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5. Conclusion

An important element of professional activity is the direction of the individual in a particular social environment; determine the right purpose, build the professional tasks; The combination of performance values - career fitness of future professionals includes a degree of vocational expertise, i.e. Knowledge of the requirements of a certain profession, and the working conditions. Career motivation, facilitate adaptation, help promote the process of mastering the profession independently and overcome all difficulties at work. The University has the task of training human resources in the field of plant science for agricultural units, so in order to well meet the requirements and changes of the reality of Vietnam's agriculture in the current period, need to have sharing and cooperation Comprehensively with agricultural and crop establishments, especially in training practical skills for students, the University should always have a regular and close relationship with schools, in There is a regular connection between lecturers (as the person who directly educates students at the university) with agricultural officials, agricultural advisors, agricultural establishments and units (as a teacher). The person who directly helps students in practicing practical skills, familiarizing themselves with the reality of professional activities) is the key link in order to create optimal conditions for students to quickly penetrate into practice, easily adapt to the real world. Adapted to all conditions in future agricultural establishments.

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