

## **PEDAGOGICAL CONDITIONS OF PROFESSIONAL COMPETENCE IN THE FUTURE ELECTRICAL APPLIANCES AGRICULTURE**

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*The article describes the methodological essence of the concept of "pedagogical terms." Defined and described pedagogical conditions of professional competence of future technicians Electrical agriculture in the study of special subjects.*

***Pedagogical conditions, technology, electricity, universities and II RA,  
Expertise, agriculture***

**Problem statement.** Modern professional, professional and social requirements for technicians, electricians agriculture contribute to significant improvement of methods, techniques and technologies of agricultural education in the area, on the one hand, specialization, and the other - the provision of expertise. In particular, they must form a flexible theoretical and practical knowledge, skills and abilities are stable, professionally important qualities set of capabilities to adapt to rapid technological progress in agricultural production and possession of advanced production technology innovation-governmental agricultural production.

Therefore, at the present stage of individual electrical appliances one of the most important tasks is to determine the pedagogical conditions that throughout the years of study in higher education have contributed to the formation of professional competence of future technicians, electricians agriculture.

**Purpose of the paper:** Methodological essence of the concept of "pedagogical terms" identify and describe the pedagogical conditions of professional competence of future technicians, electricians agriculture in the study of special subjects.

Analysis of recent research and publications, in which a solution to the

problem. The concept of "pedagogical conditions" today Nenova. It is widely used in works devoted to the problem of professional training of future specialists. This problem were examined by such scholars as V. Manko, A. Fedorov, A. Kovalenko, A. Brazhnych, A. Semenov, V. Stasiuk et al.

However, studies of pedagogical conditions with specialists in technical profile universities and II RA indicates the lack of its study, especially training technicians, electricians agriculture. Practically no work which identified and characterized pedagogical conditions of professional competence of future technicians, electricians agriculture in the study of special subjects.

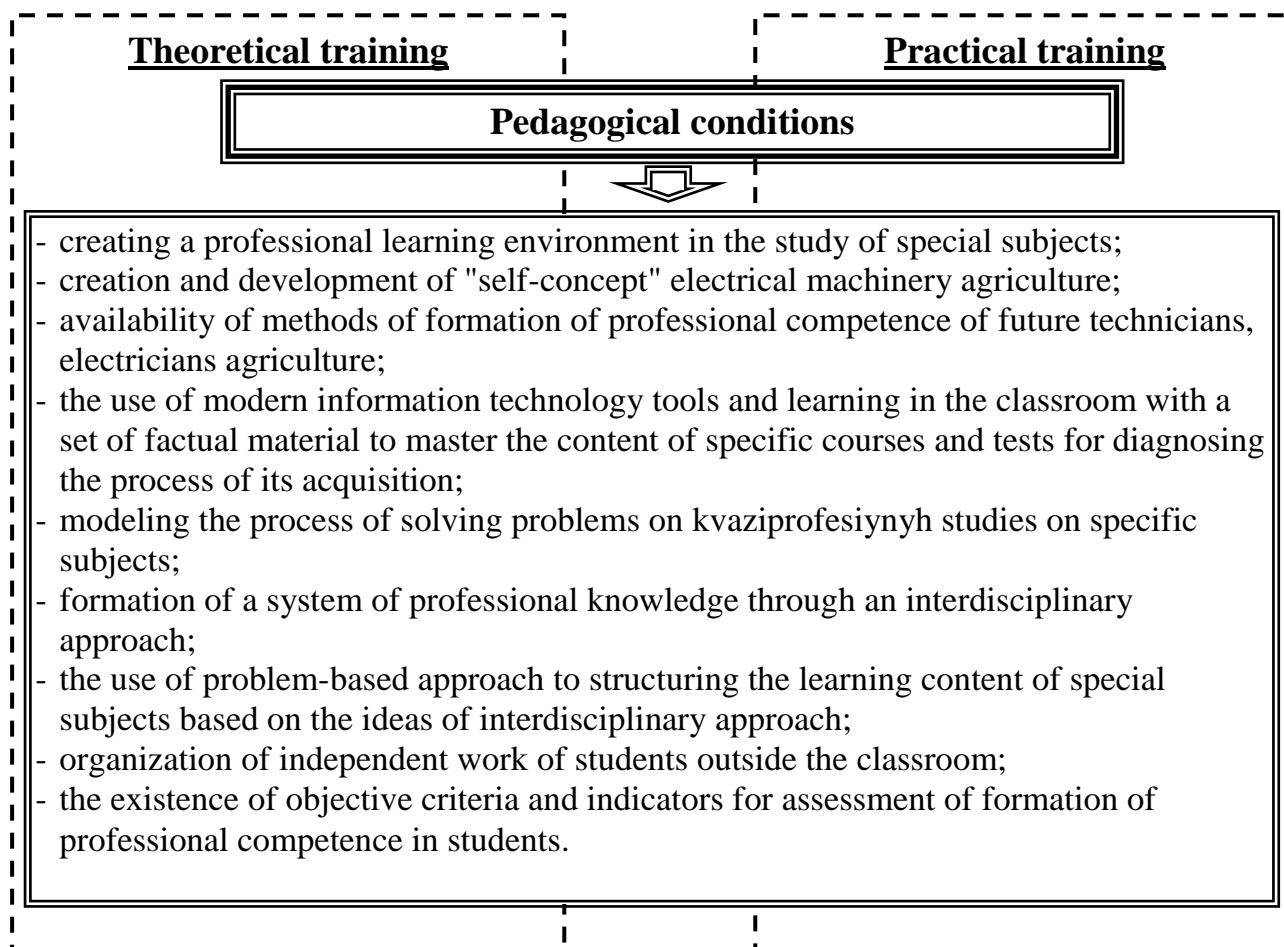
**The main material.** According to the Dictionary of vocational pedagogy "pedagogical conditions" is understood as the circumstances in which the dependent and occurs holistic productive pedagogical process of professional training, which is mediated by the activity of the person, group of people [2, p. 243; 3].

Fedorova O. under pedagogical conditions to understand the totality of the objective possibilities of the training content, methods, organizational forms and economic opportunities for its implementation, ensuring the successful solution of the problem [4].

Manko V. pedagogical conditions defined as a coherent set of internal parameters and external characteristics of the operation, which ensures high efficiency of the educational process and meet the psychological and pedagogical criteria of optimality [1, p. 153-161].

We understand the conditions under pedagogical set of external and internal factors of the educational process of the implementation of which depends on the level of formation of professional competence.

To ensure the successful formation of professional competence of future technicians, electricians agriculture in the study of special subjects were identified pedagogical conditions (Fig. 1). They ensure the implementation of the training content, optimize forms, methods, approaches and technology to the educational process as an integrated educational system.



**Fig. 1. Pedagogical conditions of formation of professional competence future technicians, electricians agriculture in the study of special subjects**

The combination of teaching, and to ensure their relationship and value to their training and educational component involves the occurrence of certain substantive processes which interact and determine the dynamics and content of the formation of professional competence of future technicians, electricians agriculture in the study of special subjects. During these processes are formed and evolve those necessary professional knowledge, skills, abilities, professionally important qualities, values and attitudes of students, providing them the opportunity to consciously and adequately assess their professional capabilities, ability and their own attitude to the future of the profession and the formation of professional competence .

Consequently, there is an influence on the individual student as a future

business professional activity in all its aspects. All these effects are not separate processes, but have to submit a single process that occurs specifically in the educational-learning environment in a creative subject pedagogical conditions.

These pedagogical conditions of professional competence of technicians, electricians agriculture we selected by chance. In their systematic, comprehensive and consistent determination led us, on the one hand, the following factors: results of surveys of students, teaching staff and graduates and II RA, on the other - practical needs of agriculture competent graduates.

More characterize the pedagogical conditions that have been proposed by us. These are:

- *creating a professional learning environment in the study of special subjects*: this pedagogical condition implies active involvement of students to the culture of professional conduct and practice of thinking that are primarily manifested in interpersonal interaction that takes place in the culture of performance and behavior technicians, electricians. In this regard, students should always be in future trade environment and the future of the profession, to acquire culture of thinking electrical appliances. In addition, this condition is realized in the future to attract technicians, electricians to conferences, work in scientific circles, contests, writing essays, etc;

- *creation and development of "self-concept" electrical machinery agriculture*: the formation and development of "self-concept" electrical machinery agriculture must begin from the first year, especially during the teaching of the course "Introduction to." The student must learn to think like an electrical technician, to see yourself in the industry as a technician and electrician to shape the culture of professional thinking. It should be borne in mind this aspect that the "self-concept" is formed in educational and professional environment in universities and II RA, which in future professional activity is a mechanism of self-employment activities of the subject. It includes the idea of electrical appliances as an expert about themselves, their professional and professional interests, guidelines, values, self-respect as a business professional activity, professional

confidence. This pedagogical condition is implemented in all classes, as well as hours of educational work;

- *availability of methods of formation of professional competence of future technicians, electricians agriculture.* This technique is based on the principles of subject-active approach as "human subjectivity in the workplace should not be broken, not only from a moral, ethical or humanist point of view but also in terms of the fact that those workers perceived entities effectively solve professional tasks "[5, s.320];

- *the use of modern information technology tools and learning in the classroom with a set of factual material to master the content of specific courses and tests for diagnosing the process of its acquisition.* Among modern information technology tools and training occupies a special place e-learning environment, the use of which, together with traditional learning tools helps accelerate the pace of learning and memorizing learning material, the implementation of the self-development of cognitive interests;

- *modeling the process of solving problems on kvaziprofesiynnyh studies on specific subjects.* To form a true professional thinking and professional culture in the future technicians, electricians required by the design to create a variety of typical and atypical professional situations that are as close to the real conditions of professional activity;

- *formation of a system of professional knowledge through an interdisciplinary approach,* this pedagogical condition intended to depart from vuzkopredmetnyh knowledge and expertise to form a system of classes based on a multidisciplinary approach. It is realized in the study of special subjects;

- *the use of problem-based approach to structuring the learning content of special subjects based on the ideas of a multidisciplinary approach.* This pedagogical conditions problematic approach is used not only within a single discipline, and within all the special disciplines. Implemented in all occupations in the study of special subjects;

- *organization of independent work of students outside the classroom.*

Independent activity of students outside the classroom - is one of the key provisions to improve the quality of formation of professional competence of technicians, electricians. Modern development of higher agricultural education students poses new requirements for entry into specialty electrical equipment agriculture. It is necessary to increase the number and quality of acquired knowledge, skills and abilities that need to be obtained and form during training. Given this, educators agricultural universities and II RA must engage each student in systematic self-study. Implementation of this pedagogical conditions was active in carrying out independent tasks on specific subjects;

- *the existence of objective criteria and indicators for assessment of formation of professional competence in students.* The purpose of this teaching is to achieve conditions that each student could quite objectively assess the maturity of their professional competence is objectively evaluate the results of their own activities to achieve partial and general objectives of professional activity as an electrical technician, professional level, positive professionally important and subjective qualities and drawbacks. Implementing this condition occurs during all training activities.

**Conclusions.** Thus, under pedagogical conditions of professional competence of future technicians, electricians agriculture in the study of special subjects, we understand the claims, the observance of which is ensured by achieving this goal is strengthening the vocational training of people with higher education. **Further directions of our research** is to identify and study the pedagogical conditions of formation of professional competence for Mechanical Engineers agriculture.

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*В статье раскрыто методологическую сущность понятия «педагогические условия». Определены и охарактеризованы педагогические условия формирования профессиональной компетентности у будущих техникум-электриков сельского хозяйства в процессе изучения специальных дисциплины.*

***Педагогические условия, техники-электрики, ВУЗ I-II уровня аккредитации, профессиональная компетентность, сельское хозяйство***

*The article describes the methodological essence of the concept of "pedagogical conditions." To ensure the successful formation of professional competence of future technicians, electricians agriculture in the study of special subjects by pedagogical conditions. They ensure the implementation of the training content, optimize forms, methods, approaches, technology, organization of educational process as an integrated educational system.*

*There have been characterized pedagogical conditions of professional competence of future technicians Electrical agriculture in the study of special subjects. The combination of teaching, and to ensure their relationship and value to their training and educational components involves certain content flow processes which interact and determine the dynamics and content of the formation of professional competence of future technicians, electricians agriculture in the*

*study of special subjects. During these processes are formed and develop those necessary professional knowledge, skills, abilities, professionally important qualities, values and attitudes of students, providing them the opportunity to consciously and adequately assess their professional opportunities, abilities and their own attitude to the future profession and formation of professional competence .*

***Pedagogical conditions, equipment, electricity, universities and II RA, expertise agriculture***