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## Professio-graphic approach to psychological preparation of future specialists of agrarian sphere to professional activity

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## **Professio-graphic approach to psychological preparation of future specialists of agrarian sphere to professional activity**

In the conditions of the economic reforms in Ukraine professional activity of agrarian sphere specialists is acquiring special social significance and is getting much more difficult in actualizing the importance of psychological resources of an individual. The higher loading, intensity of activity, working overtime, carrying out of the duties in unfavorable weather conditions and in difficult working situations – these and other factors increase the requirements to psychological readiness of the specialists of agrarian sphere to their professional activity. Thus, providing specialists to the agrarian sphere and their psychological preparation to the professional activity is one of the most actual problems of the present time.

Analysis of recent researches and publications has shown that psychological preparation is investigated by teachers and psychologists. The majority of research concerns the psychological preparation of teachers (V. Semychenko, D. Dzvinchuk, V. Kozakov, S. Lysenko, N. Denisova, V. Fedorchuk, V. Vovk, S. Tkachenko, N. Molodychenko, O. Kazharska, I. Ovdiyenko), employees of border guard service (S. Mule, A. Samokhvalov), staff of maritime transport (S. Sitnic), police (A. Kornev, N. Rogachev, I. Mashuk), pilots (I. Okulenko), athletes (A. Fedyk, O. Cherepyehina, S. Kuzmina).

Implementations of the professio-graphic approach are considered in the works of M. Andreeva, G. Vasyanovych, S. Vitvytska, O. Voznyuk, O. Gulbas, O. Dubasenyuk, O. Dudnikova, E. Ivanova, E. Klimova, N. Kuzmina, M. Levkivska, S. Maksymenko, A. Markova, S. Sysoeva, O. Cherepehina, R. Mylenkova and others.

The purpose of the article is to ground the purposefulness of professio-graphic approach usage for the psychological preparation of the future specialists in the agrarian sphere.

The exposition of the essential material. The subject of the research for professio-graphic approach is the professional activity in totality of technical-technological, socio-economic, psychological and different other characteristics both of the object and of the subject of labor [Кучер 2011]. From these positions it is worth to outline the peculiarities of professional activity of the specialist of

the agrarian sphere. Agro-industrial complex is a combination of spheres, that carry out production, processing, and storage of agricultural raw materials [Економічна... 2003]. Such resources as: fixed and current assets, labour of the workers, and land are involved into the process of agricultural production. One of the reasons of this is that in agriculture the production process is closely connected with natural processes. Agricultural product is produced with the help of living organisms (plants, animals, microorganisms), which often function as the means of production. These living organisms develop in accordance with the biological laws and as such determine the dependence of the process of production on natural factors. Thus, agrarian specialists work in the conditions of risk and uncertainty.

In agriculture the working period does not coincide with the period of production (receiving of the finished products). As a result a seasonal character of the production appears which determines completion of the considerable amount of work in a short period of time and with disproportionate use of working force and means of production. In comparison with other industries in agriculture the process of running and managing of the process of the production gets considerably complicated. It is determined by the necessity to develop several spheres in agricultural enterprises, and these spheres differ in technology and in organization of production; in spreading of the workers over a large territory and as such in difficulty of operative decision making as a result of change of the working situation; in the necessity of making an effort for organization of protection of own and rented property, protection of the grown harvest; in the necessity of attracting of seasonal working force in the periods of agricultural works and in difficulty of seasonal workforce management; in overworking of the employees of agricultural enterprises as a result of necessity of timely fulfillment of important technological operations in shortest (optimal) terms [Андрійчук 2002: 6–12].

Taking into account all stated above, it is necessary to carry out the psychological preparation of the students of agricultural higher schools in accordance with the peculiarities and conditions of the professional activity of agrarians. These are the very facts that determine the purposefulness of implementation of professio-graphic approach to psychological preparation of the future specialists of the agrarian sphere.

As N. Andriychuk points out that professio-graphic approach gives an opportunity to analyze the structure of the professional knowledge, abilities and skills, which are supposed to be acquired in the process of professional preparation [Андрійчку 2009]. Professio-graphic approach is directed to the implementation of the complex of requirements to the future professional activity and it is oriented to EQC (educational and qualification characteristic) of the specialist, to the normative acts in which the conditions of his professional activity are indicated [Лесков 2011]. According to R. Mylenkova's opinion professio-graphic

approach consists in systematic description of sociological, psychological and other requirements to the subject of a certain profession and to the determination on their grounds of these requirements of the personal qualities necessary for this kind of professional activity, these qualities put together the professional suitability of a specialist [Миленкова 2010].

M. Andreeva has another point of view on profession-graphical approach. She finds it purposeful to prepare students to the profession through active work – getting to know the profession, qualification characteristics, detailed research of the profession, modeling and solving of situation professional tasks [Андреева, *Профессиографический...*]. We share the viewpoints of the researcher and we think that it takes carrying out of the psychological preparation of future specialists of agrarian sphere to the professional activity proceeding from the positions mentioned above.

Professionography is the technology of studying of the requirements which are put forward by the profession to the personal qualities and psycho-physical abilities of the person; it provides formulation of the practical task and organization of its resolving with the purpose of optimization and increasing of the effectiveness of the professional activity; it is the determination of the abilities, knowledge, skills and responsibility, which demand from an employee successful fulfillment of concrete work or carrying out of the corresponding activity. Professionography encloses different sides of a concrete professional activity such as social, socio-economic, historical, technical, technological, legal, hygienic, psychological, psychophysical and socio-psychological [Баклицький 2008: 167].

According to the results of professionography professionograms are constructed. Professionogram is a specification of knowledge about a concrete profession and about the organization of work, and also of a psychogram, which is a „psychological portrait” of a profession, which is presented by a concrete group of psychological functions intrinsic to a concrete profession [Малхазов 2010: 135].

Professionogram is a system of information stipulated by the contents of work about social, socio-psychological, psychophysical, personal and socio-economic properties and qualities of a personality which are necessary and sufficient for successful mastering of the professional activity and perfection in it [Карпіловська, Мітельман, Синявський, Ткаченко, Федоришин, Яшишин 1997]. Professionograms are used with the purpose of optimization of labour, for clarification of the peculiarities of work and for requirements to the state of mind, abilities, special features and inclinations of a person, for determination of the factors of motivation of work [Баклицький 2008: 182].

Professionography and profession-graphical approach solve the tasks of the initial stage of professionalism formation [Акмелогический... 2004]. Profession-graphical approach makes it possible to carry out the preparation of the future

specialist of the agrarian sphere to his professional activity through detailed research of the selected profession and through getting acquainted with profession-gramm. As a result of talks held with the students of agro biological specialities of the first year of studies it was determined that they have a superficial idea about the future profession, they are not aware of profession-gramms of an agronomist and of a specialist of plant protection, and correspondingly they have no idea about the qualities and personal abilities that they need for carrying out of this professional activity. The same is true for the students of the second year of studies of the direction „Geodesy, cartography, and land management”. That is why nowadays this problem requires attention from scientists-pedagogues of the agrarian higher schools. To our opinion knowledge of the profession-gramm for the selected profession will contribute to activation and motivation of the students to master their future profession. Speculations about the social significance and use of the profession of an agrarian and its peculiarities will make students consider and understand their opportunities in it. Comparison by the students what professional and personal qualities the profession requires and what qualities the students have will allow them to determine their weak points and gaps in their knowledge. In addition to this, profession-gramm is the basis for development of personality and indicates the vectors of this process. Psychological preparation on the underoil of profession-graphic approach will contribute to appearance in the psychology of students of new important for the profession qualities.

The existing educational publication such as manuals, books and appliances as well as psychological practical works were analyzed and it was determined that they are designed for preparation of professional psychologists who study the subject Psychology during long time. However, the number of hours in Psychology allocated by the curriculum of agrarian higher schools is essentially limited. Thus, there exists a necessity of professional direction of the education contents and integration of psychological and professional knowledge of future specialists of the agrarian sphere.

Therefore, profession-graphic approach to psychological preparation of the future specialists of the agrarian sphere allows taking into account the specifics of the professional activity of the agrarians and makes professional preparation in general more effective.

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## **Abstract**

In the article it was grounded the purposefulness of application of the professional-graphic approach to the psychological preparation of future specialists of agrarian field, the peculiarities of the professional activity of the agrarians were studied, it was analyzed the notion „professio-graphic approach”, „professiography”, „professiogramm”.

**Key words:** professio-graphic approach, professiography, professiogramm, psychological preparation.