

vibro-impact mechanical systems, method, direct linearization, analysis, regimes, forced oscillations, super- and sub-harmonic regimes of oscillations, closed form of solution , action, periodic force.

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PRATSEOHORONNI PRINCIPLES IN THE EDUCATIONAL PROCESS OF AGRICULTURAL UNIVERSITIES

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For the improvement of safety in agricultural universities should ensure proper teaching pratseohoronnyh subjects with established volumes teaching standards comply annual allocations for implementation of health and safety of all sources of funding universities. The condition of practical training in NDH or other

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bases of practice should be the development of Passports of workplace practical training.

Health, universities, training on health, practical training, funding for safety.

Problem. The Law of Ukraine "On Education" states that science teachers should be provided with appropriate conditions of work and rest, provided with medical care. The right to safe and favorable conditions of classroom and practical training during leisure time and living in the dorms with pupils, students, cadets, students, interns, graduate and doctoral students.

For violation of legal acts on health (NPAOP), default orders officials of state supervision of work for school leaders, of teaching staff and other members of the educational process established certain responsibilities under current legislation pratseohoronnym.

Organization pratseohoronnoyi work in agricultural higher education institutions (HEIs) has a number of features that must be considered in the educational process. This applies in particular to ensure adequate (safe) under local practices, compliance with the

established work and rest skill-teaching staff. Have some differences NPAOP governing the organization and conduct of work on health in schools.

So important for agricultural universities are developing and putting in place the required number of documents on health, examine them and other NPAOP staff and students and graduate students in order to prevent injury and illness at all stages of the educational process, forming their outlook pratseohoronnoho improvement of the teaching pratseohoronnyh disciplines.

Analysis of recent research. Recently, a number of books, collections of legal documents and scientific works, which analyzed the degree of compliance with life safety and health requirements at the university, developed a number of documents that detailed pratseohoronni requirements of the educational process [1-3 and others.].

However, the authors of the article failed to obtain information about the level of injury among students and employees of agricultural universities in recent years, since none of the institutions - the Ministry of Agriculture and Food of Ukraine, Ministry of Education and Science of Ukraine, the Social Insurance Fund from industrial accidents, State Service supervision in mining and industrial safety - that statistic alone does not. Cigarette safety and health of pupils and students in our state is manifested in insurance members of the educational process from accidents at work and occupational diseases [4]. For example, students in Austria, Germany, the United States and other leading countries insure against accidents at universities in national laws insurance. In Ukraine, such insurance is only declarative, because victims during practice in producing students (or a person representing them) do not receive any compensation funds in the event of injury or university in the field of practice.

Now pay attention [5] on the possibility of introducing a variety of innovative educational technologies in education on health, analyze Factors that hinder active use of innovations in the learning process. Among them indicated imperfection legal and regulatory framework and methodological tools pratseohoronnoho training. Yes, you need to track the results of previous studies of the safety, apply various forms of new educational technologies, including computer differentiate duration and content of training pratseohoronnoho depending on the category of trainees and students.

The importance of vocational and educational and vocational teacher training psychological General Technics, a group which belongs discipline "Fundamentals of safety" focus in [6]. The authors believe that the specific learning needs of pratseohoronniy peculiar combination of

basic, special, educational, psychological knowledge and skills of teachers of the institution.

Purpose research. Highlight the existing problems of safety in the educational process of higher university and identify measures to address them.

Results. Pratsseohoronni problems in agricultural universities can roughly distinguish three groups:

- Those directly related to training on safety;
- Availability neusunutyh industrial hazards and hazards in the field of practical training;
- Lack of funding for safety.

1. Studies on health. At present, agricultural universities teaching subjects "Fundamentals of safety" and "Health in the field" is based on the appropriate standard educational programs that have been developed according to the Ministry of Education and Science of Ukraine, Ministry of Ukraine of Emergencies and Affairs of Population Protection from consequences of the Chernobyl disaster and the State Committee of Ukraine for Industrial Safety, Labor Protection and Mining Supervision of 21.10.2010. № 969/922/216 «Organization and improve education on health, life safety and protection in higher educational institutions of Ukraine" registered with the Ministry of Justice of Ukraine 9.11.2010. According № 1057/18352.

Developing and implementing a few years ago the typical curriculum of basic subjects pratsseohoronnyh was very necessary, as was an effective tool to preserve the proper volume level teaching such subjects optimal distribution ratio of lecture, laboratory and workshops, zabov'yazalo university graduates to enter the work (projects) sections on health and others. However, these standard curriculum characterized by many mistakes that can be explained kastyvistyu teams design and lack of serious discussion of the contents of the default applications pratsseohoronnyh teachers disciplines, such as the Internet.

If workers tutorials on the subject "Fundamentals of safety" for various departments of Agricultural Universities differ little, except that the list of laboratory and practical work, it can not be said in the case of discipline "Safety in the industry." So now important is the development of standard educational programs pratsseohoronnyh disciplines for agricultural universities, which must include features pratsseohoronnoho enforcement activities in various sub-sectors of the agricultural sector of Ukraine.

Authors current standard curriculum these subjects were not able to overcome the defects of the previous model programs that recorded the artificial division of the discipline "Health" in two parts: "Principles of safety" and "Safety in the industry." Because of this, there are many

repetitions in both programs (ie those on State Labour Inspection, pratseohoronnoyi standardization, safety, etc.). In our opinion is inappropriate transfer section concerning the investigation of accidents, to discipline "Safety in the industry." After learning the basics cornerstone of safety is mastering communication between causes (improper actions of workers and dangerous circumstances production environment) and consequences (work injury, occupational disease). And it appears directly in the document review investigation of occupational injuries (occupational poisoning or disease).

On the other hand, certain sections of typical applications of the discipline "Health in" made with a clear desire to give them some scientific opposed declared in the name of discipline practicality. This is especially true theoretical operational principles of safety management system (SMS), international activities in the field of labor, scientific pratseohoronnoyi activities. Far from reducing the importance of these issues, yet they fit into the narrow volumes discipline "Health in" can only be due to other parts, mostly practical training.

But production risk, quantitative methods of assessment paid insufficient attention. The same applies to the practical (and not declarative) on the development and implementation of safety management systems in the industry and the company.

So educational units of Agricultural Universities be followed in Order № 969/922/216 volumes teaching pratseohoronnyh regulatory disciplines to prevent their artificial association with other disciplines, to provide certification of student learning in the form of examinations or tests differentiated, plan the workload for teachers with safety consulting the relevant sections of graduation projects (works) in volumes of 1.5 hours per student (specialist and master).

It should also focus on the need for the chairs pratseohoronnoho oriented agricultural universities Training Center (NMC) for safety. The growth of SMC on health should be the training (training) on health workers to farms in the region and develop methods provide such training. This will allow teachers departments involved in the SMC on health, track pratseohoronni problems of agricultural production and build a training course taking into account the practical problems preventing injury and illness in agriculture, a sector of the functioning OSH management system.

II. Places practices in educational farms agricultural universities. It is important to regulate the actions of managers agricultural universities and educational and research enterprises (NDH), where students undergo practical training, practice leader of Universities and NDH, specialists in safety to ensure the safety requirements in the field of practice. Feature of internship students are agricultural universities and

presence in the areas of production units NDH many dangerous and harmful factors - mobile machines, closure casings moving (rotating) units and units of agricultural machinery, wayward animals and others. Therefore, the condition of practical training in NDH or on bases of practice should be the development of Passports of workplace practical training.

Such passports must specify neusunuti industrial hazards and exposures, and comprehensive measures to address them used personal protective order and supervision of the officers (employees) NDH performance and students (in their residency in the production unit NDH). With an approved supervisor NDH passports should provide students and leaders of their practical training.

Instructing life safety and health requirements for students who depart the practice should begin in schools (Fig. 1). At university departments pratseohoronnoho direction with an appropriate instructional program [1] with a detailed coverage of security issues stay of students in a way to practice and bases on the territory of NDH, during the stay in hostels, perform basic manufacturing processes and during leisure time. This instruction does not cancel briefings on health (introductory and primary), to be held at the bases of practice (in NDH), and it is an important addition.

Practice for students with specific academic disciplines has become the practice for safety, where students will be able to compare the condition of labor in production units training in the relevant regulatory requirements specified in the applicable NPAOP, and offer effective leadership NDH pratseohoronni measures.

III. Funding safety in high school. Like most agricultural enterprises, implementation of safety prevents lack of funds. According to Art. 19 of the Law of Ukraine "On Labour Protection" at the annual needs of health and safety company, regardless of ownership, must spend at least 0.5% of payroll for the previous year.

These funds should be directed to the implementation of comprehensive measures to achieve the set safety, hygiene and working environment, improving the existing level of safety, to prevent occupational injuries, occupational diseases, accidents and fires.

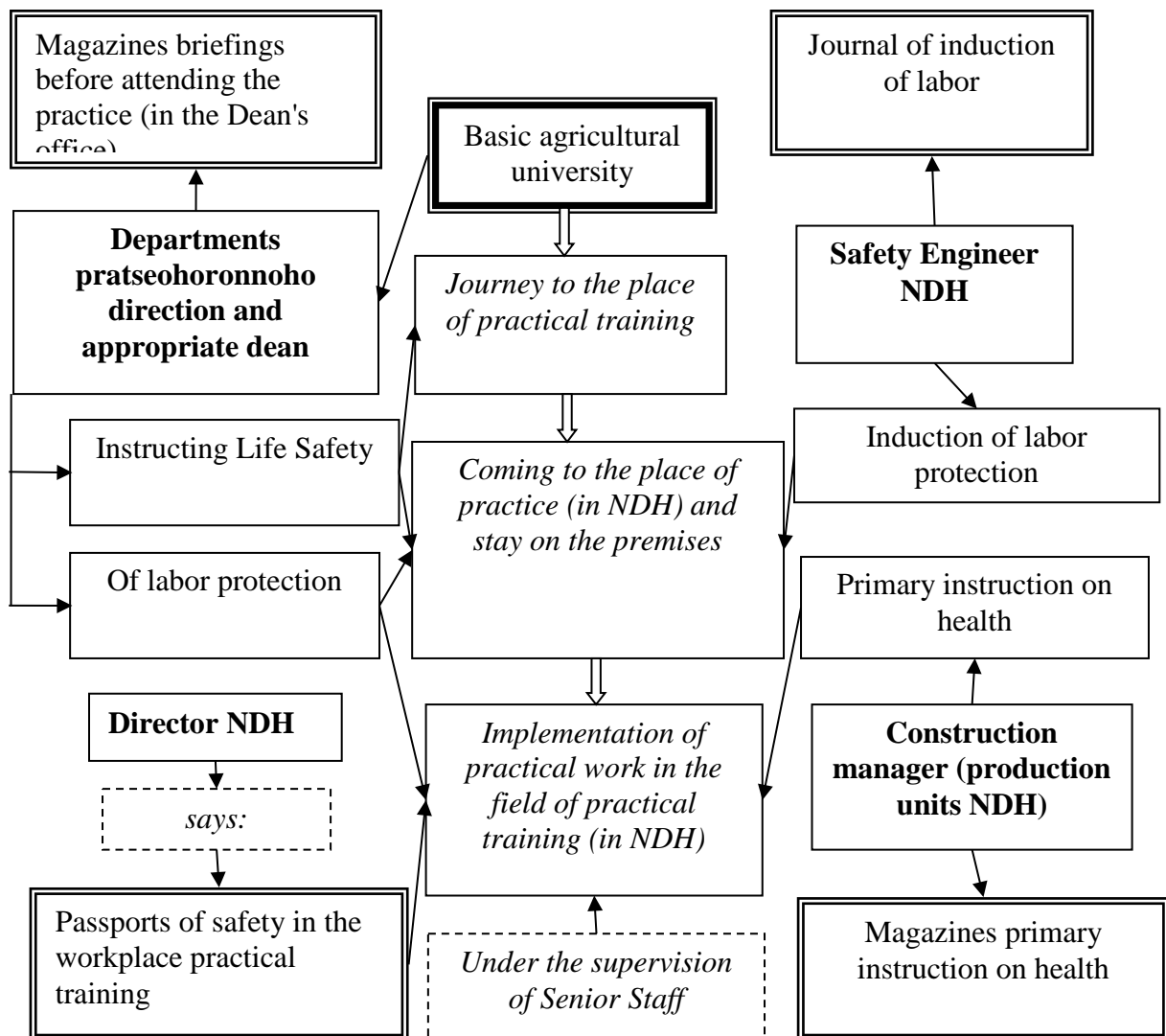


Fig. 1. The instructions on safety in the practice of the students of agricultural universities.

Violation of the requirements regarding funding for safety as required by Art. 43 of the Law of Ukraine "On Labour Protection" company must pay a fine at the rate of 25% of the difference between the estimated minimum amount of expenditure on public works in the reporting period and the actual amount of expenditure for that period.

To control the funding for the needs of the labor accounting company should be register pratseohoronnyh costs of mandatory details of primary accounting documents. The tax and accounting businesses report the amount of appropriations and actual costs necessary safety point separately.

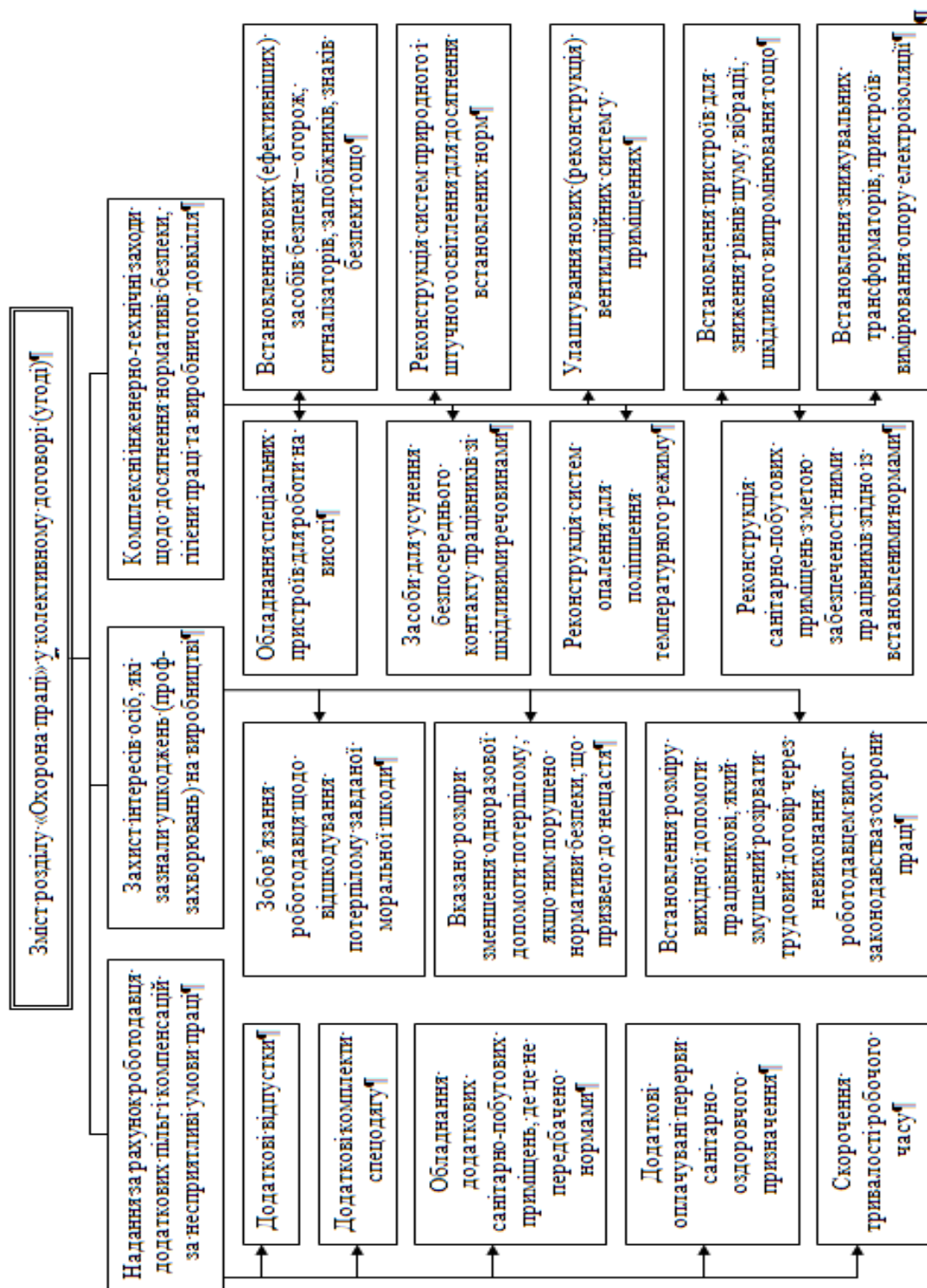


Рис. 2. Блок-схема порядку складання розділу «Охорона праці» у колективному договорі (угоді)

The list of expenses for labor protection must meet the "List of measures and means of safety, the costs of acquisition and are deductible expenses", approved by the Cabinet of Ministers of Ukraine of 27.06.2003 p. № 994.

In addition to the cost of compliance with the requirements NPAOP core business, providing a collective agreement (Fig. 2), you must also finance:

- of job evaluation for compliance NPAOP, making stands, equipment rooms, corners and exhibitions on health, acquiring the necessary NPAOP, visual aids, literature, posters, videos, models, software etc. on health;
- training and testing of the safety officers and other employees in the workplace, organizing lectures, seminars and consultations on these issues;
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Conclusions

For the improvement of safety in agricultural universities should ensure proper teaching pratseohoronnnyh subjects with established volumes teaching standards comply annual allocations for implementation of health and safety of all sources of funding universities.

The condition of practical training in NDH or other bases of practice should be the development of Passports of workplace practical training. Such passports must specify neusunuti industrial hazards and exposures, and comprehensive measures to prevent injury and illness.

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For Improvement STATUS оhrаны labor in ahrarnnyh universities neobhodimo obespechyt nadlezhachyy Level prepodavanyya

disciplines on Labor Protection Compliance with *ustanovlennymi* *obъemov* *prepodavaniya*, *pryderzhivatsya* *normativov* *ezhegodnyh* *otchyslenyy* on *meropryyatyy* Introduction to Labor Protection IZ *vseh* sources of funding university. Almost conditions of the learning studentov in *Uchebn-opy'tno* economy Or on other bases *dolzhny* sex practices by Passport Protection labor on workers sweep Almost training.

Protection of Labor, *vysshye zavedeniya* Teaching, Textbook on Labor Protection, *praktycheskoe* Learning studentov, *fynansyrovanye* *meropryyatyy* on Protection of labor.

To improve safety in agricultural universities need to provide the appropriate level of teaching courses of health and safety in compliance with the established volumes of teaching standards to adhere to the annual allocations for the implementation of labour protection measures from all sources of financing of the university. The condition of the practical training of students in the educational and experimental farm or on other bases practices should become Passports health and safety in the workplace practical training.

Labour protection, higher education, education on labour protection, practical training of students, financing of measures on labour protection.