

Course description

Tempus project EcoBRU

Course name
Implementation of regulations for nature protection legislation and ways to achieve standard requirements when producing agricultural production (based on the example of poultry farming).

The name of the course section (if applicable)

Expected lecturer qualifications
College teachers, training specialists in agriculture

Lecturer	Educational institution
Course Director: associate professor Irina I. Bochkareva Other team members: associate professor Luydmila Yu. Anopchenko	Federal State Budget Educational Institution of Higher Education "Siberian State University of Geosystems and Technologies"
Deficit definition	

Required space in the training	Course level	Course type
Obtaining professional competences	basic	distant

Target group	Duration	Languages
Teachers of colleges and other professional educational institutions	30 hours	Russian

Conditions
Conditions: software and technical support for distance education Other requirements (if applicable)

Ladder Points (1 un.=30 h)	Total hours	Class work	Independent work (h)
0,5	15		15

Topicality for EcoBRU**

General environmental education: Need to specify the modern program of ecological education demonstrated on the example of livestock farms and holdings, their technological processes effecting the environment adversely.

Special vocational scientific education: To promote understanding of a multi-competence of the concept of ecological safety and importance of following the requirements of the nature protection legislation during the professional activity of a certain employee of the poultry farming and the whole production activities in general.

The specific link with the professional activity: Application of available nature protection technologies on the example of economic activity of a poultry farming, making considerable negative impact on environment.

Course objectives

Understanding: to expand competences in understanding the importance of ecological safety in poultry farming, taking into account natural and technogenic conditions of the industry;

Application: to distinguish the priorities for improvement of an ecological situation in the area influenced by the activity of a poultry farm, taking into consideration a set of external components;

Analysis: to define optimum solutions for ensuring ecological safety of the enterprise under specific conditions of production (poultry farm);

Development: to develop an individual policy of the enterprise on keeping standard legal requirements in the field of environmental protection;

	Educational objectives of the course (see list of verbs used for educational objectives formulating)	Methods and forms of educational process organization	Monitoring forms and evaluation
Special knowledge	To differentiate environmental problems of agricultural activities from other types of industrial activities. To understand peculiarities of poultry farm activity as sources of impact on environment	Self-study of theoretical material with off-line consultations of the teacher	Over-all ranking (testing)
Methodological and didactic competence	To apply various methods and forms of training providing a deeper understanding of issues and problems arising under production of agricultural products, assessment of ecological consequences	Checking tasks for fixing of theoretical material	Over-all ranking (checking of tasks)
Interdisciplinary competence, social competence	To develop an integrated approach to the solution of environmental protection at a device-making enterprise	Internet-conference on developed concepts	Over-all ranking (results of the presentation)

Themes / Content	Class work	Hours and tasks for independent work
Short characteristic of natural and ecological features of the territories taken by poultry farms and functional use of the territory neighbouring the enterprise.		To study a schematic map of the territory of a poultry farm (2 hours)
Legal regulation of relations in the field of environmental protection.		To study acts and basic laws in the field of protection of the environment by means of an Internet resource (2 hours)
Characteristic of the enterprise as a pollution source.		To define key types of waste, sources of negative impact of poultry farm on environment (2 hours)
Ecological design as a tool for implementation of regulations in nature protection legislation. The development of ecologically focused administrative decision for reduction and prevention of impacts.		To offer one's own concept of improvement of an ecological situation in the territory of the poultry farm (7 hours)
Appropriate implementation of industrial control as the most important element of enterprise nature protection activities.		To define types and forms of production control at a poultry farm (2 hours)

Forms of control and assessment			
Control form	Percentage ratio	Dates	Criteria of assessment
Over-all ranking	80		
Course work	20		

Terms and conditions of access to monitoring and assessment of knowledge (exam)
Carrying out of tests and course work

Document type certifying the successful course visiting (Certificate?)
Certificate

Organizational guidelines
Place: Siberian State University of Geosystems and Technologies, work place of the teacher
The recommended number of participants: 10-15

Literature and educational materials				
Author	Year of	Title	Pages number	Place of publication, publisher or an online link

	publi- shing			
Basic literature				
V. M. Malahov, A. G. Gricenko, S. V. Druzhinin.	2012	Engineering ecology. Monography. Vol. 1-3.	813	Novosibirsk: SGGA.
Additional resources				
The site «WebPticeProm»				http://webpticeprom.ru/ru/articles-processing-waste.html?pageID=1417343700 http://webpticeprom.ru/ru/articles-processing-waste.html?pageID=1324741825
A.A. Aulanbergenov, O.Z. Zubairov, S.B. Ajdarova, E.I. Kul'deev, A.T. Tleukulov, F.R. Zhandauletova, K.T. Ospanov	2012	Quality Improvement of Natural Water Resources (TEMPUS)	188	Almaty
A.G. Vetoshkin, K.R. Taranceva	2004	Practices of the environmental protection	249	Penza



Sincerely yours,

Igor A. Musikhin

Vice Rector for International Affairs