

Course description

Tempus project EcoBRU

Course name
3 Environmental aspects of functioning of the enterprises

Lecturer	Educational institution
Course Director: Svintcov E. Other team members: Surovtseva O. Kokleva N.	PSTU

Deficit definition
Relevance of the environmental knowledges due to aggravation interrelation between society and nature be embodied in at all known sciences and school disciplines.

Required space in the training	Course level	Course type
Advanced training		MOODLE

Target group	Duration	Languages
For teachers of technical schools, colleges (and for university teachers)	72	Russian

Conditions	
Conditions: Internet	Other requirements (if applicable) -

Ladder Points (1 un.=36 h)	Total hours	MOODLE	Independent work (h)
2	72	54	18

Topicality for EcoBRU
General environmental education. Special vocational scientific education. The specific link with the professional activity.

Themes / Content	MOODLE	Hours and tasks for independent work
Environmental management <ul style="list-style-type: none"> - Ecological and economic aspects of management of enterprises and organizations in the transport sector: environmental audit and management - Legal protection of nature - Economic mechanism of environmental protection 	18	9
Lean Manufacturing <ul style="list-style-type: none"> - Formation of the concept of lean manufacturing - Lean manufacturing as a process of elimination of losses - Overview of lean manufacturing tools - Kaizen Management Concept 	36	9

Themes / Content	MOODLE	Hours and tasks for independent work
- Management of workspace		
	54	18
TOTAL		72

Forms of control and assessment			
Control form	Percentage ratio	Dates	Criteria of assessment
Test`s question (MOODLE)	30	within the framework of learning course	more than 59 %
Lecture on-line (MOODLE)	20		more than 59 %
Abstract	20		Conciseness, consistency, design, literacy
Credit	30		"Credit"- student shows good knowledge of educational material on the topics of the course. While logical and consistent presented material, reveals the meaning of the question, gives the right answers to additional questions. «Fail» - listener is difficult respond to questions raised, give partial answers to the questions from the basic literature recommended for the course.

Terms and conditions of access to monitoring and assessment of knowledge (exam)
Test`s question (MOODLE) & Lecture on-line (MOODLE) more than 59 % + Abstract

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

Organizational guidelines
Place: www.pgups-tempus.ru
Example: http://www.pgups-tempus.ru/course/view.php?id=155
The recommended number of participants: no regulate

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

Basic literature

1. Feraru G. S. Environmental management: textbook for bachelor and master degree students / G. S. Feraru. - Rostov: publishing house Phoenix, 2012. – 528 p.
2. Federal law dated 10.01.2002 № 7 - FL (edition dated 24.11.2014, with changes from 29.12.2014) "On environmental protection" (with changes and amendments in force from 01.01.2015) (10 January 2002)

3. Federal law dated 23.11.1995 № 174 - FL (version effective 31.03.2015) "On ecological expertise" (with changes from 12.02.2015)
4. Water code of the Russian Federation (WC RF 2015)
5. Forest code of the Russian Federation (FC RF 2015)
6. Land code of the Russian Federation (LC, RF), N 136 - FL dated 25.10.2001
7. Federal law dated 23.11.95 № 174 - FL "On Environmental expertise" (with changes from 31.12.05) (version effective from 01.01.07).
8. Nesiolovsky A. LEAN – a short course of a "lean" producer [electronic resource] / Access mode: <http://www.leancor.ru/article/9648>
9. James P. Womack. Lean manufacturing. How to get rid of losses and to achieve prosperity in your company: textbook / James P. Womack, Daniel T. Jones. - Alpina Publisher, ISBN 978-5-9614-4398-1, 978-5-9614-4716-3; 2014 Translation: S. Turco

Additional resources

1. Serov G. P. "Environmental audit and environmental audit activities"; DELO, 2008, IBSN 978-5-7749-0490-7
2. Sergeeva T. V. Environmental audit. Textbook for higher schools. GRIF UMO RF; UNITY, 2005, ISBN: 5-238-00844-9

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