



**MINISTRY OF AGRICULTURE OF RUSSIAN FEDERATION  
FEDERAL STATE BUDGETARY EDUCATIONAL INSTITUTION  
“OMSK STATE AGRARIAN UNIVERSITY NAMED AFTER  
P.A. STOLYPIN”**

**MODULE CATALOGUE**

Applied master's degree

**Programme track  
35.04.04 Agronomy**

Master's degree  
«Sustainable agriculture and rural development»

OMSK - 2017



## Contents

Agricultural biotechnology .....	3
Agricultural diversification.....	5
Agritourism.....	8
Agrotechnological project management.....	10
Ameliorative farming.....	12
Basic foundations of sustainable agroecosystems development .....	15
Bioeconomics.....	18
Biological resources management and conservation.....	20
Business communication and negotiations.....	23
The Concept of the Sustainable Development.....	27
Cooperation and Integration in Agriculture .....	30
Disaster risk management and adaptation to climate change.....	33
Gastronomy.....	36
Innovative technologies in agriculture.....	39
Integrated quality management .....	42
Land and property relations.....	44
Landscape planning .....	47
Legal foundation and principles of sustainable rural development.....	50
Managerial accounting and financial control in agriculture.....	53
Marketing of Ecological and Regional Products.....	57
Natural and cultural resources as rural heritage .....	60
Organic Agriculture.....	63
Project Management .....	65
Rural Economy.....	69
Social Policy and Rural Development.....	72



# Agricultural biotechnology

## Module description

<b>Code</b> P1.VP.ED.1.2	<b>Title of the module</b> "Agricultural biotechnology"
-----------------------------	--

## Contribution of the module to the study objectives

### Qualification objectives

To learn how to apply the achievements of modern biotechnology in crop and animal husbandry. To study phytohormones and synthetic regulators of plant growth and development in biotechnology and crop production, biotechnology and biosafety.

Dublin Descriptors	Title of the module	Competences	Discipline	Learning Outcomes
A. Knowledge and understanding; B. Applying knowledge and understanding; C. Expressing judgments and drawing conclusions; D. Communication skills; E. Ability to study.	Module 2	CC-1, CC-4, CPC-3, PC-1	Agricultural biotechnology	A. Knows the current state of agricultural biotechnology, legal and tech documentation in the field of agricultural biotechnology and understands the modern principles of biotechnological production; B. Applies the latest achievements of biotechnology in animal and crop husbandry, e.g. phytohormones and plant growth synthetic regulators in biotechnology and crop husbandry, biotechnology and safety; C. Develops the use patterns of phytohormones and plant growth synthetic regulators in biotechnology and crop husbandry; D. Analyses and forecasts the biological production in different conditions; E. Estimates ecological and social hazards caused by the use of GMO in agriculture. The impact of GMO products on human health;

	Knowledge	Skills	Competences
Professional	x	x	x
System			
Self		x	x
Social	x	x	x

### Content

- UNIT 1. Main challenges of molecular biotechnology and genetic engineering and their relation with sustainable development
- UNIT 2. Cell and tissue biotechnology in crop production as a factor of sustainable rural development"
- UNIT 3. Phytohormones and synthetic regulators of plant growth and development in biotechnology and crop production as a factor of sustainable development as a factor of sustainable development
- UNIT 4. Biotechnology in animal husbandry as a factor of sustainable development

### Teaching/learning methods

Visual lectures, discussion seminar

## Preconditions for participation

<b>Knowledge, skills, competences</b>	Basic knowledge of crop- and animal husbandry
<b>Preparation for the module</b>	<b>Software and Internet Resources:</b> <a href="http://znanium.com">http://znanium.com</a> <a href="http://e.lanbook.com">http://e.lanbook.com</a>

**Literature:**

1. Private physiology of field crops - Moscow, KolosS publishing 2013. - 344 p.
2. Resource-saving technologies in agriculture / A. V. Shuravilin [and others] – Electron - Moscow: RUDN publishing, 2010. - 198 p.
3. Schmid, R. Visual biotechnology and genetic engineering / R. Schmid - Moscow: BINOM. Laboratory of knowledge, 2015. - 327 p.
4. Buzmakov Vladimir, the environment and agricultural ecology: monograph / V. V. Buzmakov, A. S. Moscow; Russian Academy of Life sciences, Moscow. State Academy of vet medicine and biotechnology. K. I. Skryabin. - M. : TEKHNOGRUPP, 2005. - 477 p.
5. Koshkin E. I. Physiology of sustainable agricultural crops / E. I. Koshkin. - Moscow: Drofa, 2010. - 638 p.
6. Kuznetsov V. V. Plants physiology / VL.V. Kuznetsov, G. A. Dmitriev. - Moscow: Abris publishing, 2012. - 783 p.
7. Kutrowski, V. N. Wastes bioconversion in agro-industrial complex / V. N. Kutrowski, O. D. Sidorenko. - Moscow : INFRA-M, 2013. - 160 p.
8. Plant immunity and breeding for resistance to diseases and pests / L. Y. Plotnikova ; ed. by Yu. T. Dyakov. - M. : KolosS publishing, 2007. - 358 p.
9. Rogov I. A. Food biotechnology: Fundamentals of food biotechnology: I. A. Rogov, L. V. Antipova, G. P. Shuvaeva, M.: KolosS publishing, 2013. - 440 p.
10. Plotnikova L. Ya. Agricultural biotechnology: Omsk.Omsk SAU Publishing, 2014. - 79 p.

**Usability of the module**

<b>Interrelation to other modules within the course</b>	The course is closely connected with the content of the following modules: "Bioeconomics", "Innovative technologies in agriculture", etc. Also, it considers some interdisciplinary correlations with other professional subjects and electives, which require the knowledge and skills obtained during this course.
<b>Use in different study courses</b>	Creditability

**Module references to sustainable development**

<b>Content</b>
Introduces to the history and state-of-the art in biotechnology, cell and tissue biotechnology in plant and animal husbandry, the basics of genetic engineering of plants, the principles of creating stress-resistant factors transgenic plants, insects, fungal, bacterial and viral infections and herbicides. The course is aimed to shape the knowledge about modern postgenomic and biotechnological methods of molecular selection of new varieties of agricultural plants and animals.

**Exam performances (preconditions for allocation of credit points)**

<b>Type and duration (min)</b>	<b>Share %</b>
Pass/Non-pass with grading (60 min)	25

**Organisation**

<b>Responsible for the module</b> Svetlana Kuzmina, Candidate of Sc. Agr., A.P.		
<b>Type of the module</b> Variable	<b>Regular cycle</b> Once in the completion of the course of studies	<b>Duration</b> 1 semester
<b>Admission requirements</b> No	<b>ECTS points</b> 3	<b>Presence on semester week hours</b> 2-4 academic hours
<b>Workload</b> 3 ECTS / 108 hours = 2-4 hours/week, <b>with the following allocation</b>		
<b>Presence / Contacts</b> 48 hours / 44%	<b>Preparation/ follow up/ self-study</b> 60 hours / 56%	<b>Tasks/Group work</b> 40 hours / 28%



# Agricultural diversification

## Module description

<b>Code</b> P1.VP.ED.5.2	<b>Title of the module</b> Module «Agricultural diversification»
-----------------------------	---

## Contribution of the module to the study objectives

### Qualification objectives

Module objective is to increase the competencies of students in the field of crop and animal husbandry production, the possibility of organization of production and processing of crop and animal husbandry products in practice.

Dublin Descriptors	Title of the module	Competences	Discipline	Learning outcomes
A. Knowledge and understanding; B. Applying knowledge and understanding; C. Expressing judgments and drawing conclusions; D. Communication skills; E. Ability to study.	Module 5	CPC-4	Agricultural diversification	A. Knows the theory of diversification, understands the challenges and ways of diversification; B. Calculates integral metrics of diversification; C. Estimates the level of diversification in animal and crop husbandry; D. Develops the ways to increase the quality of production. E. Estimates economic and social dimensions of diversification in agriculture and rural areas.

	Knowledge	Skills	Competences
Professional	X	X	X
System			
Self	X	X	X
Social	X	X	X

### Content

#### 1. Theoretical aspects of diversification process

- 1.1 Basic concepts of diversification process
- 1.2 Methods of production diversification
- 1.3 Goals of production diversification

#### 2. Diversification problems

- 2.1 Problems of diversification in crop production
- 2.2 Problems of diversification in animal husbandry

#### 3. Ways of diversification

- 3.1. Ways of diversification in crop production



3.2. Ways of diversification in animal husbandry

**4. Primary processing of crop and animal husbandry products**

4.1 Requirements for the quality of crop and animal husbandry products

4.2 Ways to improve the quality of crop and animal husbandry products

**5. Production planning**

5.1 Business planning of animal husbandry farm. Financing sources

5.2 Planning of feed consumption with regard to animal productivity

5.3 Production planning

5.4 Business planning of primary processing of crop production. Financing sources

**Teaching/learning methods**

lecture-visualization, discussion workshop, situation.

**Conditions for participation**

<b>Knowledge, skills, competences</b>	n.a.
<b>Preparation for the module</b>	<p><b>Software and internet resources:</b>  <a href="http://znanium.com">http://znanium.com</a>  <a href="http://e.lanbook.com">http://e.lanbook.com</a></p> <p><b>Literature:</b></p> <ol style="list-style-type: none"> <li>1. Ktsoyev A.B. State and economy: optimal mechanisms of resource allocation [Electronic resource]: a monograph / A.B. Ktsoyev. - Electronic text. - M.: RIOR; M.: INFRA-M, 2012. - 233 p. Popov N.A. Agricultural economics [Electronic resource]: an educational guide / ed. by N.A. Popov - Electronic text. - M.: Magistr: INFRA-M, 2013. - 400 p.</li> <li>2. Nasatuev B.D. Organic animal husbandry [Electronic resource]: an educational guide – Electronic text. - Saint Petersburg: Lan', 2016. - 192 p.</li> <li>3. Gribov V.D. Economics of an enterprise [Electronic resource]: a textbook, a laboratory manual / V.D. Gribov, V.P. Gruzinov - 7th ed., revised and augmented. - Electronic text. - Moscow: INFRA-M, 2017. - 448 p.</li> <li>4. Kusakina O.N. Efficiency of functioning of integrated enterprises in the agroindustrial complex: regional aspect. [Electronic resource]: a monograph / O.N. Kusakina, M.V. Ponamorenko, E.V. Skiperskaya -Stavropol:Publishing house "TESERA", 2013.-164 p.</li> <li>5. Vodyanikov V.T. Agricultural economics [Electronic resource]: a textbook / V.T. Vodyanikov [and others]. - 2nd ed., augmented. - Electronic text. - Saint Petersburg: Lan', 2015. - 544 p.</li> </ol>

**Usability of the module**

<b>Interrelation to other modules within the course</b>	The learning of the discipline is connected with the content of such disciplines as "Rural economy", "Cooperation and integration in agriculture", etc. The program also takes into account interdisciplinary ties with other professional, special and elective disciplines, which require corresponding knowledge and skills.
<b>Use in different study courses</b>	Possibility of reassessment

**Module references to sustainable development**

**Content**

The strategy of diversification is studied, which is realized through the development of various types of crop production and animal husbandry with the organization of primary processing of the products received. Development and implementation of reasonable tactics to improve production efficiency and competitiveness of domestic agricultural producers. Organization of production of animal husbandry products taking into account technological features of



feeding, breeding, keeping and biological differences of animals, crop production taking into account biological features and technology of cultivation of crops.

### Types of examination (preconditions for allocation of credit points)

<b>Type and duration (min)</b> Pass/Non-Pass (30 min)	<b>Share %</b> 25
--	----------------------

### Organisation

<b>Responsible</b> Tatiana Gorbacheva, Candidate of Sc. Agr., A. P.		
<b>Type of the module</b> Variable	<b>Frequency</b> Once in the completion of the course of studies	<b>Period</b> 1 term
<b>Eligibility criteria</b> N.a.	<b>ECTS</b> 3	<b>Admission, academic hour per week</b> 4-6 academic hours
<b>Workload</b> 3 ECTS/108 hours = 2-4 hours/week, with the following subdivision		
<b>Presence / Contacts</b> 32 hours / 30%	<b>Preparation/ follow up/ self-study</b> 76 hours / 70%	<b>Tasks/Group work</b> 20 hours / 18,5%



# Agritourism

## Module description

<b>Code</b> P1.VP.CD.5	<b>Title of the module</b> “Agritourism”
---------------------------	---

## Contribution of the module to the study objectives

<b>Qualification objectives</b>				
Module objective is to increase the competencies of students in agrotourism and the possibility of implementing its principles and methods in professional activities.				
Dublin Descriptors	Title of the module	Competences	Discipline	Learning outcomes
A. Knowledge and understanding; B. Applying knowledge and understanding; C. Expressing judgments and drawing conclusions; D. Communication skills; E. Ability to study.	Module 2	CC-3,  CPC-2,  PC-13	Agritourism	A. knows the basic concepts and principles of agrotourism; describes, explains, defines identical features, formulates in a different way the methods and forms of agrotourism; B. identifies factors that determine the needs of the population and the level of agrotourism development in Russia and the territory of the region; C. develops a business plan for the agrotourism product, taking into account the design and implementation of environmentally safe and economically efficient technologies for the production of agricultural products; analyzes and examines the current state of agrotourism in the district, region; D. applies indicators of sustainable development in agro-tourism; E. assesses the natural and cultural potential of rural areas for the development of agro-tourism; presents arguments for the development of a strategy for the development of tourist activities at the federal, regional, municipal levels and relevant levels of projects; develops recommendations for the development of agro-tourism in rural areas
	Knowledge	Skills	Competences	
Professional	X	X	X	
System	X			
Self	X	X	X	
Social	X	X	X	
<b>Content</b>				
Section 1. The concept of agrarian tourism as an element of sustainable rural development				
Section 2. Approaches to assessment of the resource potential of agritourism				
Section 3. State support and legal support for agritourism				
Section 4. Practical recommendations				
<b>Teaching/learning methods</b>				
Lectures-presentations, seminars-presentations, seminar with case studies, development of a business plan, excursion				





## Preconditions for participation

<b>Knowledge, skills, competences</b>	N.a.
<b>Preparation for the module</b>	<p><b>Software and Internet resources:</b>  <a href="http://znanium.com">http://znanium.com</a>  <a href="http://e.lanbook.com">http://e.lanbook.com</a></p> <p><b>Literature:</b>            1.Panyukov A.I. The fundamentals of agritourism [Electronic resource]: a textbook / A.I. Panyukov, Yu. G. Panyukova, V.L. Kalinichev. - Moscow: INFRA-M, 2017. - 240 p.            2.Babkin A.V. Special types of tourism [Electronic resource]: an educational guide / A.V. Babkin. - Moscow: Sovetsky sport, 2008. - 208 p.            3.Reporter of the Association of universities of tourism and service: journal, 2015 / Reporter of the Association of universities of tourism and service, 2015. - Vol. 9. - No. 1.            4.Reporter of Omsk SAU: scientific and practical journal / Omsk SAU - Omsk: Omsk SAU, 1996 - Modern problems of service and tourism: journal, 2014 / Modern problems of service and tourism, 2014. – No.1.            5.Development of agritourism in the Omsk region: a monograph / Omsk SAU - Omsk: Litera, 2015. - 157 p.            6.Ivlieva O.V. Problems of tourism studies [Electronic resource]: a collection of materials of the III International scientific and practical conference of students, postgraduates and young scientists in tourism studies / O. V. Ivlieva. - Rostov-on-Don: Publishing House of SFU, 2014. - 478 p.</p>

## Usability of the module

<b>Interrelation to other modules within the course</b>	The course is necessary for the study of subsequent modules: Marketing of ecological and regional products, Gastronomy
<b>Use in different study courses</b>	Creditability

## Module references to sustainable development

<b>Content</b>
The concept of agritourism as an element of sustainable rural development; approaches to determining the resource potential of agritourism; state support and legal support of agritourism in economic, environmental and social aspects

## Exam performances (preconditions for allocation of credit points)

<b>Type and duration (min)</b>	<b>Share %</b>
Pass/Non-Pass (60 min)	25%

## Organisation

<b>Responsible for the module</b> Yuriy Novikov, Candidate of Economic Sc., A.P.		
<b>Type of the module</b> Compulsory	<b>Regular cycle</b> Once in the completion of the course of studies	<b>Duration</b> 1 semester
<b>Admission requirements</b> None	<b>ECTS-points</b> 3	<b>Presence on semester week hours</b> 4-6 academic hours
<b>Workload</b> 3 ECTS x 36 hours = 108 hours = 2-4 hours per week, <b>with the following allocation:</b>		
<b>Presence/Contact</b> 48 hours / 44 %	<b>Preparation/ follow up/ self-study</b> 60 hours / 56 %	<b>Tasks/Group work</b> 40 hours / 28%



# Agrotechnological project management

## Module description

<b>Code</b> P1.VP.CD.7	<b>Title of the module</b> "Agrotechnological project management"
---------------------------	--

## Contribution of the module to the study objectives

Qualification objectives				
Purpose - to obtain skills of design and management of agrotechnological projects				
Dublin Descriptors	Title of the module	Competences	Discipline	Learning Outcomes
A. Knowledge and understanding; B. Applying knowledge and understanding; C. Expressing judgments and drawing conclusions; D. Communication skills; E. Ability to study.	Module 5	PC-6, PC-7, PC-8	Agrotechnological project management	A. Knows the principles of agrotechnological projects development and understands the legal mechanisms of financial risks state control in the context of sustainable rural development organisation in Russia as whole and in the country's regions; B. Estimates the impact of agrotechnological projects on sustainable rural development; C. Develops agrotechnological project; D. Analyses the methods of risk assessment and organisational stages of agrotechnological projects audit; E. Uses the principles of creation in the implementation of agrotechnological projects;
		Knowledge	Skills	Competences
Professional		x	x	x
Self		x	x	x
Social		x	x	x
<b>Content</b>				
<ol style="list-style-type: none"> <li>1. Stages of agrotechnological project design</li> <li>2. Principles of agrotechnological project design and implementation</li> <li>3. Risk assessment methods and uncertainty analysis in agrotechnological project management</li> <li>4. Stages of agrotechnological project expertise organisation</li> <li>5. Cultivar modeling project</li> <li>6. Orchard start project (project on orchard establishing)</li> <li>7. Design and development of organic crop rotations</li> <li>8. Project on local (zonal) production processing</li> </ol>				
<b>Teaching/learning methods</b>				
Visual lectures, discussion seminar, case-study				

## Preconditions for participation

<b>Knowledge, skills, competences</b>	To be familiar with main field crops and eco-friendly cultivation techniques.
---------------------------------------	---



<b>Preparation for the module</b>	<p><b>Software and Internet Resources:</b>  <a href="http://znanium.com">http://znanium.com</a>  <a href="http://e.lanbook.com">http://e.lanbook.com</a></p> <p><b>Literature:</b>          Popov, Yu. I. Project management [Electronic resource]: an educational guide / Yu. I. Popov, Institute of Economics and Finance "Synergy". – Electronic text. Moscow : INFRA-M, 2013. - 208 p.          Trubochkina M. I. Enterprise costs management [Electronic resource]: an educational guide / M. I. Trubochkina. - 2nd ed., revised and augmented. – Electronic text. M.: INFRA-M, 2009. - 319 p.          Rykhtikova N. A. Analysis and organization risk management: an educational guide / N. A. Rykhtikova. - 2nd ed. – M.: FORUM, 2014. - 240 p.          Project Management [Electronic resource]: a textbook / N. M. Filimonova. – Moscow: INFRA-M, 2018. - 349 p.</p>
-----------------------------------	---

### Usability of the module

<b>Interrelation to other modules within the course</b>	The course is closely connected with the content of the following modules: "Organic agriculture", "Innovative technologies in agriculture", etc. Also, it considers some interdisciplinary correlations with other professional subjects and electives, which require the knowledge and skills obtained during this course
<b>Use in different study courses</b>	Creditability

### Module references to sustainable development

<b>Content</b>	Revolves around the basics of agrotechnological project design and management, varieties creation, orchard start project, design and development of organic crop rotations, project on local (zonal) production processing
----------------	--

### Exam performances (preconditions for allocation of credit points)

Type and duration (min)	Share %
Pass/Non-pass with grading (60 min)	25

### Organisation

<b>Responsible for the module</b> Prof. Dr. Nina Kazydub, Dr. Sc. agr Tatiana Gorbacheva, Candidate of Sc. agr., A.P.		
<b>Type of the module</b> Compulsory	<b>Regular cycle</b> Once in a course	<b>Duration</b> 1 semester
<b>Admission requirements</b> No	<b>ECTS points</b> 4	<b>Presence on semester week hours</b> 4-6 academic hours
<b>Workload</b> 4 ECTS / 144 hours = 4-6 hours/week, <b>with the following allocation</b>		
<b>Presence / Contacts</b> 48 hours / 33%	<b>Preparation/ follow up/ self-study</b> 60 hours /42%	<b>Tasks/Group work</b> 15 hours / 14%



# Ameliorative farming

## Module description

<b>Code</b> P1.VP.ED.2.2	<b>Title of the module</b> «Ameliorative farming»
-----------------------------	--

## Contribution of the module to the study objectives

### Qualification objectives

Effective use of reclaimed lands in vegetable growing and fodder production in Siberia. Module objective is to acquire theoretical knowledge about the primary development of reclaimed lands, their most effective use, features of cultivation of agricultural plants on irrigated and drained lands.

Dublin Descriptors	Title of the module	Competences	Discipline	Learning outcomes
A. Knowledge and understanding; B. Applying knowledge and understanding; C. Expressing judgments and drawing conclusions; D. Communication skills; E. Ability to study.	Module 2	CC-8, CPC-6	Ameliorative farming	A. Knows the basics of irrigation and understands the specifics of agricultural products cultivation on reclaimed lands; B. Determines the main hydrophysical properties of soils; C. Develops technological cultivation schemes of agricultural products on reclaimed lands; D. Analyses the efficiency of reclaimed land exploitation; E. Assesses the impact of melioration on the living conditions of plants, the properties of soils;

	Knowledge	Skills	Competences
Professional System	X	X	X
Self		X	X
Social	X	X	X

### Content

#### 1. Basics of irrigation of Siberian lands

- 1.1 Specialization of irrigation
- 1.2 Agrotechnical evaluation of irrigation methods
- 1.3 Timing of irrigation

#### 2. Impact of melioration on living and growing conditions of plants, soils characteristics.

- 2.1 Water regime of soils
- 2.2 Air, heat and nutritive regimes of soils
- 2.3 Physical condition of soils, chemical characteristics and microbiological activity of soils
- 2.4 Size and quality of crop

#### 3. Crop rotation on reclaimed lands

- 3.1 Substantiation of crop rotations efficiency
- 3.2 Crop rotations on irrigated and drained lands

#### 4. Features of technology of agricultural crops cultivation on reclaimed lands

- 4.1 Annual and perennial grasses



## 4.2 Vegetable crops

### Teaching/learning methods

lecture-visualization, lecture-discussion, discussion

### Conditions for participation

<p><b>Knowledge, skills, competences</b> <b>Preparation for the module</b></p>	<p>Basics of farming</p> <p><b>Software and internet resources:</b> <a href="http://znanium.com">http://znanium.com</a> <a href="http://e.lanbook.com">http://e.lanbook.com</a></p> <p><b>Literature:</b> Rendov N.A. Ameliorative farming of Western Siberia: recommended by the methodical council in the field of study / N.A. Rendov, V.S. Tarakanov, S.I. Mozyleva; Omsk SAU - Omsk: Sfera, 2009. - 158 p. Rendov N.A. Biological bases of land amelioration in Western Siberia: an educational guide for universities / N.A. Rendov, V.S. Tarakanov; Omsk SAU - Omsk: Omsk SAU, 2005. - 51 p. Soil cultivation as a factor in regulating soil fertility [Electronic resource]: a monograph / A.F. Viter [and others]. - Electronic text. - M.: INFRA-M, 2014. - 173 p. Kiryushin V.I. Classification of soils and agroecological land typology [Electronic resource] / V.I. Kiryushin. - Electronic text. - Saint Petersburg; Moscow; Krasnodar: Lan', 2016. - 289 p. Land amelioration [Electronic resource]: a textbook / ed. by A.I. Golovanov. – 2nd ed., revised and augmented. - Electronic text. - Saint Petersburg; Moscow; Krasnodar: Lan', 2015. - 816 p. Farming [Electronic resource]: a textbook / ed. by G.I. Bazdyrev. - M.: INFRA-M, 2015. - 606 p.</p>
--	---

### Usability of the module

<p><b>Interrelation to other modules within the course</b></p> <p><b>Use in different study courses</b></p>	<p>The learning of the discipline is connected with the content of such disciplines as "Innovative technologies in agriculture", "Agrotechnological project management", "Organic agriculture", etc. The program also takes into account interdisciplinary ties with other professional, special and elective disciplines, which require corresponding knowledge and skills.</p> <p>Possibility of reassessment</p>
---	---

### Module references to sustainable development

<p><b>Content</b> Impact of melioration on the living and growing conditions of plants, basics of irrigation of Siberian lands, crop rotation on reclaimed lands. Features of technology of agricultural crops cultivation (vegetable growing, horticulture) on reclaimed lands.</p>
--

### Types of examination (preconditions for allocation of credit points)

<p><b>Type and duration (min)</b> Pass/Non-Pass (30 min)</p>	<p><b>Share %</b> 25</p>
--	------------------------------

### Organisation

<p><b>Responsible</b> Prof. Nikolay Rendov, Dr. of Sc. Agr.</p>		
<p><b>Type of the module</b> Variable</p>	<p><b>Frequency</b> Once in the completion of the course of studies</p>	<p><b>Period</b> 1 term</p>



<b>Eligibility criteria</b> N.a.	<b>ECTS</b> 3	<b>Admission, academic hour per week</b> 4-6 academic hours
<b>Workload</b> 3 ECTS / 108 hours = 2-4 hours/week, <b>with the following subdivision</b>		
<b>Presence / Contacts</b> 32 hours / 30%	<b>Preparation/ follow up/ self-study</b> 76 hours / 70%	<b>Tasks/Group work</b> 20 hours / 18,5%



# Basic foundations of sustainable agroecosystems development

## Module description

<b>Code</b> P1.VP.CD. 2	<b>Title of the module</b> “Basic foundations of sustainable agroecosystems development”
----------------------------	---

## Contribution of the module to the study objectives

### Qualification objectives

Purpose – to provide the basics of organisation and functioning of transformed and artificial agroecosystems, principles of interaction between "secondary" biocenoses and man as the main consumer of agroecosystems

Dublin Descriptors	Title of the module	Competences	Disciplines	Learning Outcomes
A. Knowledge and understanding; B. Applying knowledge and understanding; C. Expressing judgments and drawing conclusions; D. Communication skills; E. Ability to study.	Module 4	CPC-3, PC-7	Basic foundations of sustainable agroecosystems development	A. Knows the main challenges of agronomy, sci-tech policies in the field of eco-safe agricultural production. B. Applies the latest achievements in the field of eco safe agricultural production; C. Give reasons for the adoption of particular environmental measures aimed to increase the efficiency of agribusiness development; D. Develops schemes of eco safe production; E. Assesses the environmental measures in order to increase the efficiency of agribusiness development;

	Knowledge	Skills	Competences
Professional	X	X	X
System	X		
Self		X	X
Social	X	X	X

### Content

#### Unit 1. “Agro-ecosystems – problems and stability maintenance”

##### Topic 1: Agroecosystems. Types of agroecosystems

1. Agro-ecosystems: concept, structure, functions. The main differences between agroecosystems and natural ecosystems
2. Types of agroecosystems, characteristics. Biogeochemical cycles as a basis of the agroecosystems functioning and preservation of their sustainability

##### Topic 2: Soil-biota complex as the basis for the agroecosystems functioning

1. Soil types, soil-biota complex (SBC). The composition of SBC and correlation types
2. Structural and functional organization of SBC under different environmental conditions



3. Microbial complex – SBC basis

4. Functional role of soil and its importance in ecosystems

**Unit 2. “Optimization of agricultural landscapes and the organization of sustainable agro-ecosystems”**

**Topic 3. “Main directions of optimization of agricultural landscapes and agroecosystems”**

1. Sustainability and variability of agroecosystems

2. Basic principles of sustainable agroecosystems

3. Optimization of structural and functional organization of agroecosystems as the basis of improving their productivity and sustainability (long term productivity)

4. Methodological basis of the environmental assessment of agroecosystems

**Topic 4. “Agroecosystems sustainability evaluation and assessment”**

1. Microbial communities in agroecosystems

2. Sustainability of agroecosystems under different cropping systems

3. Conditions of reconstruction and creation of sustainable agroecosystems

**Topic 5. Evaluation and assessment of soils resistance to anthropogenic impacts and the degree of soil degradation**

1. Indicators of soil resistance to techno genesis

2. Soil sustainability assessment of a household

3. Soil pollution and ecological ill-being assessment of agroecosystems

4. Evaluation and assessment of soil degradation of a farm

**Teaching/learning methods**

Visual lectures, discussion seminar, professional simulation.

**Preconditions for participation**

<b>Knowledge, skills, competences</b>	None
<b>Preparation for the module</b>	<p><b>Software and Internet Resource:</b></p> <p><a href="http://znanium.com">http://znanium.com</a> <a href="http://e.lanbook.com">http://e.lanbook.com</a></p> <p><b>Literature:</b></p> <ol style="list-style-type: none"> <li>1. Zvyagintsev D. G. Soil Biology [Electronic resource]: a textbook / D. G. Zvyagintsev, I. P. Babyeva, G. M. Zenova. - 3rd ed., augmented - Moscow: Moscow state University Publishing, 2005. - 445 p.</li> <li>2. Kulikov, Y. Agroecology [Electronic resource]: study guide / Y. Kulikov. - Minsk: higher school, 2012. - 319 p.</li> <li>3. Agroecology: study guide / The ministry of agriculture of Russian Federation, Omsk SAU - Omsk: Omsk SAU publishing, 2011. - 64 p.</li> <li>4. Bogorodsky Yu. V. Basics of agricultural ecology: study guide / Yu. V. Bogorodsky; The ministry of agriculture of USSR, Irkutsk agricultural institute, 1995. – 222 p.</li> <li>5. Gerasimenko V. P. Workshop on Agroecology [Electronic resource]: study guide / V. P. Gerasimenko - SPb. :Lan', 2009. - 432 p.</li> <li>6. Gonchar M. T. Ecological problems of agricultural production: [monograph] / M. T. Gonchar. - Lviv : higher school., 1986. – 144 p.</li> <li>7. Emtsev V. T. Agroecology : fundamentals of environmental biotechnology : study guide: interactive form: module 9 / V. T. Emtsev. - M.: 2001. - 76 p.</li> <li>8. Kiryushin V. I. the Theory of adaptive landscape agriculture and design agricultural landscapes [Electronic resource] / V. I. Kiryushin. - Moscow: Koloss, 2013. - 443 p.</li> </ol>

**Usability of the module**

<b>Interrelation to other modules within the course</b>	The course is closely connected with the contents of the following modules: "Landscape Planning", "Organic Agriculture", etc. The program also takes into account interdisciplinary ties with other professional, special and elective disciplines, for which you will need to master the knowledge and skills.
<b>Use in different study courses</b>	Creditability





## Module references to sustainable development

### Content

The basic principles of the development of agroecosystems, aspects and conditions for their sustainable development, foundations of the organization and functioning of transformed and artificial agroecosystems, the principles of interaction between "secondary" biocenoses and humans.

## Exam performances (preconditions for allocation of credit points)

Type and duration (min)	Share %
Pass/Non-pass with grading (60 min)	25

## Organisation

### Responsible for the module

Prof. Nina Popolzukhina, Dr. Agr. Sc.

Natalia Nikolaevna Tishenko, Candidate of Sc. Agr., A.P.

### Type of the module

Compulsory

### Regular cycle

Once in a course

### Duration

1 semester

### Admission requirements

No

### ECTS points

3

### Presence on semester week hours

4-6 academic hours

### Workload

3 3ET / 108 hours = 2-4 hours/week, with the following allocation

Presence / Contacts	Preparation/ follow up/ self-study/	Tasks/Group work
42 hours / 39%	66 hours / 61%	40 hours / 28%



# Bioeconomics

## Module description

<b>Code</b> P1.P.5	<b>Title of the module</b> "Bioeconomics"
-----------------------	--

## Contribution of the module to the study objectives

### Qualification objectives

Purpose – to provide students with basic theory and professional skills in the field of biotechnologies and bioeconomics.

Dublin Descriptors	Title of the module	Competences	Discipline	Learning outcomes
A. Knowledge and understanding ; B. Applying knowledge and understanding ; C. Expressing judgments and drawing conclusions; D. Communication skills; E. Ability to study.	Module 4	CC-1, PC-9	Bioeconomics	A. Knows different aspects of bioeconomy, which are significant for agricultural bioeconomy and environmental bioeconomy. B. Makes managerial decisions on the innovative activities (biotechnological methods, cluster approach) in real situations; C. Finds and estimates new market opportunities in the field of bioeconomy, analyses the resources of renewable bio resources and rational environmental use; D. Up to speed on the current state in the field and able to design efficient bioeconomy strategies and ecobiopolices; E. Knows and able follow the legal documents regulating the field and also market conjuncture. Knows and applies state policies and science trends in the field of bioeconomy and ecobiopolicy.

	Knowledge	Skills	Competences
Professional System Self	x x	x x	x x
Social	x	x	x

### Content

1. Basics of economy of science and innovation activity
2. Legal framework of ecobiopolicy
3. Bioeconomics in the context of sustainable development pursuit

### Teaching/learning methods

Visual lecture, lecture-conference, seminar, professional simulation

## Conditions for participation



<b>Knowledge, skills, competences</b> <b>Preparation for the module</b>	<p>none</p> <p><b>Software and internet resources:</b>  <a href="http://znanium.com/bookread.php?book=39198">http://znanium.com/bookread.php?book=39198</a>  <a href="http://www.sustainabledevelopment.ru/index.php?id=51">http://www.sustainabledevelopment.ru/index.php?id=51</a>  <a href="http://www.pravo.gov.ru/">http://www.pravo.gov.ru/</a>  <a href="http://www.garant.ru/">http://www.garant.ru/</a></p> <p><b>Literature:</b>            1. Bioeconomics in Russia: development prospects: monograph // Edited by S. N. Bobylva, P. A. Kiryushin, O. V. Kudryavtseva. - Moscow: Prospekt Publishing House. - 176 p.</p>
--	--

### Usability of the module

<b>Interrelation to other modules within the course</b>	<p>The programme acquisition is based on the following modules: "The concept of sustainable development", "Rural economy", "Institutional economics", "Organic agriculture", "Regional economy and management".</p> <p>Current module is the basis for successful acquisition of the following modules: "Social Policy and Rural Development", "Biological Resources Management and conservation", "Landscape Planning"</p>
<b>Use in different study courses</b>	Can be requalified

### Module references to sustainable development

<b>Content</b>	<p>Current module introduces the concept of bioeconomy considering all the stages of production processes with due emphasis to the complex principles and methods deployed in practice to solve current socio-economic, energy, ecological and other regional problems considering the creation of added value important for conservation and development of bio resources, consequently, the required potential for the new economic paradigm shift.</p>
----------------	---

### Types of examination (preconditions for allocation of credit points)

<b>Type and duration (min)</b>	<b>Share %</b>
Pass/non-pass examination (40-100% of total mark) 90 min.	20 %

### Organisation

<b>Responsible</b>		
Dr. Prof. Nina Kazydub, Dr. Agr. Sc. Anna Weber Ph.D., A. P. Yuriy Novikov, Candidate of Economic Sciences, A.P.		
<b>Type of the module</b>	<b>Frequency</b>	<b>Period</b>
Compulsory	Once per programme	1 semester
<b>Eligibility criteria</b>	<b>ECTS</b>	<b>Admission, academic hour per week</b>
no	3	4 academic hours
<b>Workload</b>		
3 ECTS / 108 hours = 4 hours/week, <b>with following allocation</b>		
<b>Presence / Contacts</b>	<b>Preparation/ follow up/ self-study/</b>	<b>Tasks/Group work/</b>
42 hours / 39,0%	66 hours / 61,1%	30 hours / 27,7%



# Biological resources management and conservation

## Module description

<b>Code</b> P1.V.CD.1	<b>Title of the module</b> “Biological resources management and conservation”
--------------------------	--

## Contribution of the module to the study objectives

### Qualification objective

To increase the competencies of students in the management of biological resources and to form a modern understanding of ecosystem services based on legal and environmental laws governing bio-productivity in ecosystems.

Dublin Descriptors	Title of the module	Competences	Discipline	Learning outcomes
A. Knowledge and understanding; B. Applying knowledge and understanding; C. Expressing judgments and drawing conclusions; D. Communication skills; E. Ability to study.	Module 4	CC-1 CC-2 PC-7	Biological resources management and conservation	A. Knows and understands global environmental challenges, methods of geological and biological sampling and analysis. B. Applies different analysis and assessment methods for different levels of biosphere, for biodiversity conservation and monitoring; C. Analyses the dynamics in bio resources; D. Predicts the changes in bio resources, subjected to natural and anthropogenic factors; E. Assesses bio resources.

	Knowledge	Skills	Competences
Professional	x	x	x
System	x		
Self	x	x	x
Social	x	x	x

### Content

SECTION 1. Legal basis of environmental management and its relation to the practice of environmental regulation.  
SECTION 2. Sustainable management of forest biological resources.  
SECTION 3. Management of biological resources of open spaces.  
SECTION 4. Usage of biological resources of water bodies.  
SECTION 5. Management of hunting resources.

### Teaching/learning methods

Visualization lecture, presentation lecture, discussion groups, case-study

## Conditions for participation



<p><b>Knowledge, skills, competences</b> <b>Preparation for the module</b></p>	<p>CC-1, CC-2, PC-3</p> <p><b>Software and internet resources:</b>  <a href="http://znanium.com">http://znanium.com</a>  <a href="http://www.studentlibrary.ru">http://www.studentlibrary.ru</a>  <a href="http://e.lanbook.com">http://e.lanbook.com</a>  <a href="http://www.studmed.ru">http://www.studmed.ru</a>            EPS "System Garant"</p> <p><b>Literature:</b>            1. Arustamov E.A. Ecological basis of environmental management: a textbook for institutions of secondary professional education / E.A. Arustamov, N.V. Barkalova, I.V. Levakova. - 2nd ed., revised and augmented. - M.: Dashkov and Co., 2005. - 318 p.            2. Valitov R.R. State and municipal management in the field of environmental protection and environmental management: an educational guide./ R.R. Valitov, A.V. Sindireva; Omsk SAU - Omsk:Omsk SAU, 2012. - 188 p.            3. Erofeev B. V. Ecological law of Russia: a textbook for universities/ B. V. Erofeev. - 11th ed., revised and augmented. - M.: Profobrazovanie, 2003. - 728 p.            4. Environmental quality standards [Electronic resource]: an educational guide/ ed. by M. G. Yasoveev. - Electronic text. - M.: INFRA-M, 2014. - 156 p.            5. Ecological basis of environmental management [Electronic resource]: an educational guide/ V.F. Protasov. - Electronic text. - M.: Alfa-M; M.:INFRA-M, 2015. - 304 p.            6. Ecology and reasonable environmental management: an educational guide. / ed. by Ya. D. Vishnyakov. – M.: Academy, 2013. - 384 p.            7. Birzhakov M.B. Introduction to tourism. - St. Petersburg: Nevsky Fund, 2007. - 576 p.</p>
--	--

### Usability of the module

<p><b>Interrelation to other modules within the course</b></p>	<p>The learning of discipline is connected with the content of such disciplines as "Environmental economics", "Bioeconomics", "Landscape planning", etc. The program also takes into account intersubject communications with other professional, special and elective disciplines, for learning of which gained knowledge and skills will be useful.</p>
<p><b>Use in different study courses</b></p>	<p>Possibility of reassessment</p>

### Module references to sustainable development

<p><b>Content</b> of the module "Biological resources management and conservation" contributes to the formation of a modern understanding of ecosystem services based on legal and environmental laws governing bio-productivity in ecosystems. Gives an idea of scientifically based approaches of commercial seizure for the purpose of competent and sustainable usage of bioproductive populations and communities; an idea of possible methods of biological monitoring of renewable resources in the biosphere.</p>
---

### Types of examination (preconditions for allocation of credit points)

<p><b>Type and duration</b> Examination (90)</p>	<p><b>Share %</b> 1,4%</p>
--	--------------------------------

### Organisation

<p><b>Responsible</b></p>
---------------------------



Chuyanova Galina Ignatyevna, Candidate of Agricultural Sciences, A.P.

<b>Type of the module</b> Compulsory	<b>Frequency</b> Once in the completion of the course of studies.	<b>Period</b> 1 term (12 weeks)
<b>Eligibility criteria</b> test, case-studies	<b>ECTS</b> 4	<b>Admission, academic hour per week</b> 2-4 academic hours
<b>Workload</b> 4 ECTS / 144 hours = 2-4 hours per week, <b>with the following subdivision</b>		
<b>Presence / Contacts</b> 56 hours / 39 %	<b>Preparation/ follow up/ self-study/</b> 52 hours / 36 %	<b>Tasks/Group work/</b> 14 hours / 10 %
<b>Other</b>		
<b>Examination questions</b>		
<ol style="list-style-type: none"> <li>1. Concepts of biological resources, biodiversity, species wealth, etc.</li> <li>2. Rare species. Dominant species.</li> <li>3. Reasons for rarity. Red books.</li> <li>4. International "Biodiversity Convention". Implementation of the Convention in Russia.</li> <li>5. The national Russian program on biodiversity conservation. Laws of species diversity.</li> <li>6. System concept of biodiversity.</li> <li>7. Genetic diversity.</li> <li>8. Species diversity.</li> <li>9. Bioresources created by human.</li> <li>10. Ecosystem diversity.</li> <li>11. Classifications of bioresources.</li> <li>12. Taxonomic diversity.</li> <li>13. The concept of biome. Classification of the types of biomes according to R. Riklifs., Yu. Odumu, N. Myers, R. Whittaker.</li> <li>14. Brief description of the biome (optional).</li> <li>15. Human impacts on bioresources.</li> <li>16. Stability and resilience of biological systems.</li> <li>17. The main types of anthropogenic violations.</li> <li>18. The impact of oil spills on the diversity of marine communities, the impact of technogenic pollution on forest communities, etc.</li> <li>19. The system of categories of biological diversity by R. Whittaker. Alpha-diversity: range of species.</li> <li>20. Models of distribution. Indexes of species wealth.</li> <li>21. Beta diversity: comparison, similarity, community alignment. Graphical analysis of beta diversity.</li> <li>22. Application of diversity indicators.</li> <li>23. Gamma diversity of terrestrial ecosystems.</li> <li>24. The concept of monitoring. International biodiversity monitoring programs. Monitoring of biodiversity in Russia. Usage of GIS.</li> <li>25. Problems of bioresources conservation. Strategies of biological resources conservation. Programs, public organizations and foundations. International agreements in the field of bioresources conservation.</li> <li>26. The concept of specially protected natural areas, its special aspects and categories. Creation of networks of specially protected natural areas and biosphere reserves.</li> </ol>		



# Business communication and negotiations

## Module description

<b>Code</b> P1. V. ED.3.2	<b>Title of the module</b> Business communication and negotiations
------------------------------	---

## Contribution of the module to the study objectives

### Qualification objectives

The objective of the module is to form communicative competence of future specialists, implicating preparation in communicative, linguistic, psychological, ethical spheres.

Dublin Descriptors	Title of the module	Competences	Discipline	Learning outcome
A. Knowledge and understanding; B. Applying knowledge and understanding; C. Expressing judgments and drawing conclusions; D. Communication skills; E. Ability to study.	Module 2	CPC-1	Business communication and negotiation	A. Knows the main principles of organization psychology and management theory in business communication, defines the aims and objectives of managerial communication; B. Plans the operational managerial decisions on sustainable agriculture and rural development by the accurate organization of communicative environment and flows; C. Analyzes various complex communicative situations using an integrated approach, relying on the theoretical basis and practical skills, carries out the analysis of social processes and phenomena from a communicative point of view; D. Implements business communication principles on the basis of human and cultural values, laws and regulations implying the ethic requirements to the municipal employees; E. Systematizes communicative problems, classifies linguistic, sociological, psychological and ethical reasons of communicative problems, promotes tolerant attitude to the social, ethical and cultural differences in the team, develops an algorithm for communicative interaction in a critical situation.

	Knowledge	Skills	Competences
Professional System	x x	x	x
Self		x	x
Social	x	x	x

### Content

#### Topic 1. Basics of communication processes: communication models

Social phenomenon and the concept of communication. The issues of the past and present in creating the communicative medium. Foundation and development of the discipline.

Theoretical and practical development of the communication technologies issues. Communication modules. Social and psychological phenomenon of business communication. Corporative and social responsibility. Business communication as a managerial resource. Development of the communicative policy of the organization. Defining the communicative



factors influencing the efficient management. Development of the crisis communicative strategy and its main stages. Communicative strategies to protect favorable image.

**Topic 2. Symbolic-semiotic basis of communication**

Communication as a phenomenon, dealing with the formation of the meaning. Structural model. Signs and the meaning agent. Culture as the system of codes, influencing everyday matters, social and cultural norms. Ways of coding and decoding the messages. Symbolic character of communication. Communication process and the symbol exchange to transfer necessary information. Words, non-verbal communication (greetings, gestures etc.), symbolic objects (flags, crucifix etc.), as communicative symbols. Portability as the way to transfer the information.

**Topic 3. Phenomenon, concept and functions of communication.**

The concept, functions, business communication as an interdisciplinary object. Communication rules to be a success. Functions of business communication. Main communication rules and practical success. Classical and innovative forms of business communication/ The concept of "Professional Community".

**Topic 4. The ethics of business communication and negotiation**

Moral foundations of communication. Ethic mechanisms of organizing business communication. Ethical and cultural norms of organizing business communication. Communication in the global world. Ethics and cultural norms of business communication. Professional etiquette and communication. Rules of business etiquette.

**Topic 5. The role of personality in business communication**

The role of personality. Values, motives, goals in communication. Types of personalities in communication. Interactive and perceptive parts of communication. Reflection (self-analysis). Identification. Communication impact on the audience in communication. Psychological protection mechanisms. Person in professional community. Personal features in professional communication.

**Topic 6. Communication as a management resource**

Different types of communication in different groups and organizations. How communication depends on the type of organization. Main types of communication in professional spheres. Formal and essential differences of a working group as a community. Stages of working group formation, maturity indicators, main types of working groups. Influence of personal features on communication characteristics in a group. Communication with authorities, business structures and community. Influence of interpersonal relationships on types of communication in a group. Conflicts, what they are caused by, conflict resolution in communication.

**Topic 7. Public speech in business communication**

The concept and components of a public speech. Public speech characteristics. Audience adaptation. Preparing for the public speech. Types of public speech. Public speech characteristics in professional communication. Adaptation of the public speech for the audience.

**Unit 2 The theory and mechanisms of business communication and negotiation**

**Topic 8. Theoretical and practical development of communicative technologies**

Problems of communication. Linguistic, sociological, psychological and ethical sources of communicative problems. Difficulties in setting a contact. Conflict in business communication. Sources and types of conflict situations. Argument and discussion as means of conflict realization. Manipulation technologies. Stress and Crisis in business communication. Peculiar features of crisis communication.

**Tema 9. Application technology of communication process**

Negotiations as a social – psychological process. Mechanisms: complying aims and interests, mutual trust of the parties, providing the balance of the power and mutual control of the parties. Complying the aims and interests. Negotiations as a discussion process. Successful negotiations as a result of the discussion process. Aiming at the problem solving, good or neutral personal relations of the opponents, respectful attitude to the opponent, clarifying the objects of the negotiations and being able to correct them. Mutual credibility of the parties. Potential and real credibility. Mutual power balance and control.

**Topic 10. The structure of business communication**

Types of business communication. Verbal and non-verbal communication. Direct and indirect communication. Oral and written communication. Formal and informal communication. Types of formal communication. Conventional types of formal communication: business communication, discussion, meetings, conferences, negotiations. Innovative forms of communication: round table discussions, briefings, fairs and explosions, presentations etc.

**Topic 11. Virtual types of communication**





IT communication in modern world. Internet conferences. Internet meetings. IT systems in modern science. “Invisible colleges”, “Virtual groups”, “Virtual labs”.

Epistemological, sociological, psychological aspects of virtual communication. The role of web-sites and their roles in business and science. E-libraries.

**Topic 12. Business communication language as a part of modern English**

Different types of English and their correlation: Business English, BE, (English for Specific Purposes, ESP, English for Academic Purposes, EAP, English for Science and Technology, EST)

**Topic 13. Peculiar features of intercultural business communication**

Language and culture. The concept of cultures. Intercultural communication and behavior. Language difficulties and intercultural communication. Cultural ethic and personal identity. Business communication and people’s diplomacy. Communicative failures in intercultural communication. Ways of intercultural communication efficiency. Business meetings.

**Teaching/learning methods**

lecture, lecture with exercise, seminar (- with exercise), project

**Preconditions for participation**

<p><b>Knowledge, skills, competences</b> <b>Preparation for the module</b></p>	<p>none</p> <p><b>Software and internet resources:</b>  <a href="http://revolution.allbest.ru/">http://revolution.allbest.ru/</a>  <a href="http://www.etiket.ws/">http://www.etiket.ws/</a>  <a href="http://window.edu.ru/window_catalog/pdf2txt?p_id=18328">http://window.edu.ru/window_catalog/pdf2txt?p_id=18328</a>  <a href="http://www.alleng.ru/d/manag/man130.htm">http://www.alleng.ru/d/manag/man130.htm</a>  <a href="http://philosophic.hf-guap.ru/historical/ethics.html">http://philosophic.hf-guap.ru/historical/ethics.html</a>  <a href="http://tigf.org/Suschnostj-etiki-delovih-otnoshenij.html">http://tigf.org/Suschnostj-etiki-delovih-otnoshenij.html</a>  <a href="http://www.iteam.ru/publications/corporation/section_94/article">http://www.iteam.ru/publications/corporation/section_94/article</a></p> <p><b>Literature:</b>            Capitonov E. A., Zinchenko G.P. Corporative culture: theory and practice M.: Alfa - Press, 2015.            Kartashova L.V., Nikonova T.V., Solomandina T.V. Organization behaviour. M.: Infra-M, 2015.            Kozlov V.D. Managing organization culture. M.: The Academy of Social Sciences, 2017.</p>
--	--

**Usability of the module**

<p><b>Interrelation to other modules within the course</b></p> <p><b>Use in different study courses</b></p>	<p>The course is closely connected with the contents of the following modules “Agricultural tourism”, “Human capital of rural territories”, “Theory and mechanism of state governance and municipal administration”, “Marketing of regional and eco- brands” etc. The module also takes into account interdisciplinary connections with other professional areas where the skills acquired could be helpful.</p> <p>Creditability</p>
---	---

**Module references to sustainable development**

Content

The course introduces the main aspects of business communication issues to students. The ways and methods of organizing communicative interaction are viewed as a specific activity aimed at the better understanding of the interlocutors in everyday business situations.



The course purpose is to form the communicative competency of the future experts able to understand peculiar features of the linguistic, psychological and ethic aspects of communication. In this course particular attention is given to solving the problems, which occur in the managerial practice of an expert dealing with the rural development. An interdisciplinary approach to managerial issues and efficiency estimation of business communication, integrating achievements of management as a science, modern consulting and marketing technologies as well as psychological issues is paid much attention to within the course practice.

### Exam performances (preconditions for allocation of credit points)

Type and duration (min)	Share %
Colloquium 60 min.	20 %

### Organisation

<b>Responsible for the module</b> Dinar Baetova, Candidate of pedagogical sciences, A.P.		
<b>Type of the module</b> Variable	<b>Regular cycle</b> Once in the completion of the course of studies	<b>Duration</b> 3 Semester
<b>Admission requirements</b> none	<b>ECTS-points</b> 3	<b>Presence on semester week hours – 4-6 academic hours</b>
<b>Workload</b> ECTS 3 x 36 = 108 academic hours: 4 - 6 <b>with the following allocation</b>		
<b>Presence/Contacts /</b> e.g. 48 ac. hours. / 44%	<b>Preparation/ follow up/ self-study/</b> e.g. 60 ac. hours. / 56%	<b>Tasks/Group work/</b> e.g. 40 ac. hours. / 37%
<b>Other</b> <b>Colloquium: «Communication as a mechanism of interaction in professional sphere»</b> <ul style="list-style-type: none"> <li>▪ What types of communication exist?</li> <li>▪ What types of interaction do you know?</li> <li>▪ What is communication?</li> <li>▪ What does the structural scheme of purpose communication include?</li> <li>▪ What is the interactive function of communication?</li> <li>▪ What is the perceptive function of communication?</li> <li>▪ Is it possible to achieve the maximum understanding among people? If not, explain why. If yes, explain at what level.</li> <li>▪ What are the peculiar features of business communication?</li> <li>▪ What are formal restrictions?</li> <li>▪ Name three communicative forms of business communication?</li> <li>▪ What is a communicative process?</li> <li>▪ What is a communicative channel?</li> <li>▪ Communicative effect, how do you understand it?</li> <li>▪ Feedback and its role in a communicative process.</li> <li>▪ Describe peculiar features of cognitive communication.</li> <li>▪ Describe peculiar features of persuasive communication.</li> <li>▪ Expressive communication and its peculiar features.</li> <li>▪ Suggestive communication.</li> <li>▪ The essence of ritual communication.</li> <li>▪ What are the main features of business communication?</li> <li>▪ What interactive styles do you know?</li> <li>▪ What does the concept “communication habits” include?</li> </ul>		



# The Concept of the Sustainable Development

## Module description

<b>Code</b> P1. P1	<b>Title of the module</b> “The Concept of the Sustainable Development “
-----------------------	---

## Contribution of the module to the study objectives

<p><b>Qualification objectives</b> overall objectives of the module above all module elements: obtaining and consolidating theoretical knowledge and practical skills on the concept of sustainable development through the formation and development of competencies in the field of professional activity.</p>				
Dublin Descriptors	Title of the module	Competences	Discipline	Learning outcomes
A. Knowledge and understanding; B. Applying knowledge and understanding; C. Expressing judgments and drawing conclusions; D. Communication skills; E. Ability to study.	Module 2	CC-1	The concept of sustainable development	A. knows and compares the experience of sustainable development of society in different countries, in Russia and its regions; B. applies knowledge and develops models of sustainable agriculture and rural development; C. Identifies the main components of sustainable development, providing their characteristics; D. Has a communicative culture in the solution of tasks and applies indicators of sustainable development in the study of socio-economic and environmental development of the territories; E. distinguishes and gives examples of sustainable development of society to name the goals and key principles of sustainable development
	Knowledge	Skills	Competences	
Professional	X	X	X	
System	X	X		
Self	X	X	X	
Social	X	X	X	
<p><b>Content</b></p> <ul style="list-style-type: none"> <li>General scientific basis for sustainable development</li> <li>Sustainable development and economic growth</li> <li>The ecological paradigm of sustainable development</li> <li>Conditions and prerequisites for sustainable social development</li> <li>Spatial basis of sustainable development</li> <li>Sustainable agriculture and rural development</li> </ul> <p>Professional, methodological, practical and interdisciplinary contents should be developed and acquired</p>				
<p><b>Teaching/learning methods</b> Lectures-presentations, seminars-presentations, case studies, development of indicators and modelling of the sustainable rural development</p>				

## Preconditions for participation



<b>Knowledge, skills, competences</b>	<p>N.a.</p>
<b>Preparation for the module</b>	<p>I. Bibliography</p> <p>a) main literature:</p> <ol style="list-style-type: none"> <li>1. Federal target program "Sustainable development of rural territories for 2014-2017 and for the period til 2020".</li> <li>2. Ochirova E.L. Sustainable development of modern economy: economic aspects: a monograph / E.L. Ochirova; Ministry of Agriculture of the Russian Federation, Department of Science and Technology Policy and Education, FSBEI HPE BSAA named after V.R. Filippov. - 2011. 129 p.</li> <li>3. Ushakova O.A. Criteria for managing sustainable development in the conditions of economic modernization: a monograph / Ushakova O.A. - M.: INFRA-M, 2017. - 97 p. <a href="http://www.znaniium.com">http://www.znaniium.com</a>.</li> </ol> <p>b) additional literature:</p> <ol style="list-style-type: none"> <li>1. Mantatov V.V. The strategy of the mind: ecological ethics and sustainable development: in 2 volumes / V.V. Mantatov, Ulan-Ude: 1998.</li> <li>2. Sustainable development of Russian agriculture: a monograph / I.P. Aidarov; MSUPA. - Moscow: MSUPA, 2009. 217 p.</li> <li>3. Zhuchenko A.A. Ensuring Russia's food security in the 21 century on the basis of the adaptive strategy of sustainable development of the agroindustrial complex (theory and practice): - Kirov: Federal Agrarian Scientific Center of the North-East, 2009. 274 p.</li> <li>4. Baburin S.N. The policy of sustainable development and state-legal process: S.N. Baburin, A.D. Urusul; Russian State Economic and Trade University. - M.: Magistr; INFRA-M, 2010. 557 p.</li> <li>5. Nikolaeva E. V. Strategy of sustainable development of agroindustrial complex of the Republic of Buryatia: a monograph / E. V. Nikolaeva; Ulan-Ude: ESSUTM Publishing house, 2010. 136 p.</li> <li>6. Rybakov Yu.I. Partisipative planning as a factor of sustainable development of rural areas and settlements: a monograph / Yu. I. Rybakov; Novosibirsk: NSAU, 2013. 176 p.</li> <li>7. Atkisson A. How sustainable development can change the world / A. Atkisson; translated from English by V.N.Egorov; Ed.by N. P. Tarasova. - El. ed. – M.: BINOM Knowledge Laboratory, 2012. 455 p. <a href="http://www.znaniium.com">http://www.znaniium.com</a>.</li> <li>8. Vdovin S.M. Strategy and mechanisms for sustainable development of the region: a monograph / S.M. Vdovin. – M.: INFRA-M, 2017. 154 p. <a href="http://www.znaniium.com">http://www.znaniium.com</a>.</li> <li>9. Dyatlov S.A. Basics of the concept of sustainable development / S.A. Dyatlov. – M.: INFRA-M, 2017. 185 p. <a href="http://www.znaniium.com">http://www.znaniium.com</a>.</li> <li>10. Global challenges for the sustainable development of the global economy: an educational guide / Osmova M.N., Klavdienko V.P., Glushchenko G.I. - M.: MSU named after M.V. Lomonosov, 2015. 120 p. <a href="http://www.znaniium.com">http://www.znaniium.com</a>.</li> <li>11. Chub A.A. Regions of Russia: stability factors and institutional development preconditions under globalization: a monograph / A.A. Chub. - M.: RIOR: INFRA-M, 2017. 232 p. <a href="http://www.znaniium.com">http://www.znaniium.com</a>.</li> </ol> <p>II. Internet resources:</p> <p>II.1. E-libraries, referral information systems:</p> <ol style="list-style-type: none"> <li>1. Electronic library system ZNANIUM.COM</li> <li>2. Electronic periodical guide «GARANT system»</li> <li>3. E-library system <a href="http://elib.bgsha.ru/">http://elib.bgsha.ru/</a></li> <li>4. E-library system «National electronic library» <a href="http://xn--90ax2c.xn--p1ai/">http://xn--90ax2c.xn--p1ai/</a></li> <li>5. E-library system « University online library» <a href="https://biblioclub.ru/index.php?page=main_ub_red">https://biblioclub.ru/index.php?page=main_ub_red</a></li> </ol> <p>II.2. Open access electronic resources:</p> <p><a href="http://www.sustainabledevelopment.ru">http://www.sustainabledevelopment.ru</a> www.greenpeace.org - Official website «Greenpeace» <a href="http://agro.Business.ru">http://agro.Business.ru</a></p>



<http://www.un.org/ru>

### Usability of the module

<b>Interrelation to other modules within the course</b>	Requires knowledge, skills acquired as a result of mastering the previous courses: philosophy, sociology, economics The course necessary for the study of subsequent modules: social policy and rural development, the human capital of rural areas
<b>Use in different study courses</b>	Creditability

### Module references to sustainable development

<b>Content</b> All aspects of sustainable development in the scientific and applied fields of activity; the main principles of sustainable development in addressing current socio-economic and environmental challenges in the development of agriculture and rural areas; and the role of education in sustainable development are considered.
---

### Exam performances (preconditions for allocation of credit points)

Type and duration (min)	Share %
Credit test (60 min) – answering questions / solutions of case studies	60% : 40%

### Organisation

<b>Responsible for the module</b> Buryat State Academy of Agriculture, Chair for Economics and Regional Management Elena Ochirova, associate professor, PhD (Economics) FSBEI HE Omsk SAU Maria Rabkanova, Candidate of Economic Sciences, A.P.		
<b>Type of the module</b> Compulsory	<b>Regular cycle</b> Annually	<b>Duration</b> 1 Semester
<b>Admission requirements</b> None	<b>ECTS-points</b> 2	<b>Presence on semester week hours</b> 2
<b>Workload</b> 2 ECTS-Points x 36 hours = 72 hours, <b>with the following allocation</b>		
<b>Presence/Contacts</b> 32 hours. / 44.4%	<b>Preparation/ follow up/ self-study</b> 40 hours. / 55.6%	<b>Tasks/Group work</b> 16 hours. / 22%
<b>Other</b> Visit of experts in the field of sustainable rural development and employers		



# Cooperation and Integration in Agriculture

## Module description

<b>Code</b> P1. V. ED.1.1	<b>Title of the module description</b> "Cooperation and Integration in Agriculture"
------------------------------	--

## Contribution of the module to the study objectives

<b>Qualification objectives</b> are to form theoretical knowledges and practical skills in the field of functioning and development of cooperation and agro-industrial integration.				
Dublin Descriptors	Title of the module	Competences	Discipline	Learning Outcomes
A. Knowledge and understanding; B. Applying knowledge and understanding; C. Expressing judgments and drawing conclusions; D. Communication skills; E. Ability to study.	Module 5	CPC - 3 PC – 12	Cooperation and Integration	A. Analyses domestic and international experience of cooperation and integration development, the opportunities provided by cooperation and integration for agricultural enterprises. B. Classifies the types of cooperative and integrative forms of production and defines social, economic and ecological effect of cooperation and integration. C. Calculates economic efficiency of the integrated enterprise. D. Persuades rural subjects in the efficiency of cooperation and integration, ready to comply personal and public interests within a cooperative. E. Analyses legal basis of cooperative and integrative formations and develops efficient programmes of cooperative organization work, estimates their profits and its distribution among the members of the cooperative.
		Knowledge	Skills	Competences
Professional		x	x	x
System		x	x	x
Self			x	
Social			x	x

### Content

#### Unit 1. Introduction to the theory of cooperation and integration

##### Topic 1. Subject and methodology of the course. Main categories and their characteristics (classical lecture)

Objectives and subject – matter of cooperation and integration. Research methods as the ways to investigate cooperative and integrative connections in agriculture. Main concepts of agricultural cooperation and agri-industrial integration. Legislative basis. Federal Law concerning cooperation and integration. Cooperative system. Agricultural cooperative. Integration as a way to unite economic subjects. Economic integration.

##### Topic 2. The history of agricultural cooperation development (presentation)

The history of cooperation and integration development. Cooperation and integration connection with the production processes. The role of cooperation and integration in the agricultural production development. The role of the Russian scientists in cooperation and integration development: A.V. Chayanov and N.D. Kondratyev etc. Cooperation



development in Russia in the second half of the XIX – beginning of the XX centuries. Cooperation during New Economic Policy Period. International historic and modern – experience. Development stages of integration processes in Russia. Agricultural integration in Europe.

**Unit 2.** Cooperation in the system of sustainable development of rural territories

**Topic 3. Peculiar characteristics of agricultural cooperation nowadays (partially self-study)**

Specialization, concentration and agricultural cooperation. Principles of agricultural cooperation. International cooperative alliance. Regional peculiarities of cooperation development. Cooperation of agricultural producers and food processors for marketing purposes within administrative settlements. Cooperative and integrative models of particular regions.

**Topic 4. Management of cooperative formations (development method with the help of the questions)**

Cooperative as a legislative organizational body. Concept of a cooperative. Types of cooperatives and their description. Classification of cooperatives. The Statutes as a constituent document. State registration of cooperatives. The powers and the structure of cooperative managerial bodies. The concept of an associate member.

**Topic 5. Economic approach to cooperation in agriculture (classical lecture)**

Organizing the property of agricultural cooperatives in different ways by uniting the shares. Income distribution characteristics in agricultural cooperatives: comparing with other organizational forms of agricultural enterprises. Cooperative property. Property funds. Cooperative payments. Personal labour statute. Reserve and other funds contributions. Participation of legal entities and private individuals. Requirement to organize full share fund. Economic efficiency criteria of cooperatives.

**Topic 6. Agricultural production cooperative**

Agricultural production cooperative as a type of economic activity. Production cooperative as a commercial organization. The differences of agricultural production cooperative from an agricultural consumer cooperative. The concept of a cooperative member and an associate cooperative member. Contract relations in production cooperatives. Organisational economic principles of a cooperative functioning.

**Topic 7. Agricultural consumers' cooperatives**

The concept of an agricultural consumers' cooperative. Types of consumers' cooperatives. Consumers' cooperatives as non-commercial organisations. Processing cooperatives and their peculiar features. Marketing associations and their peculiar features. Supply cooperatives and their peculiar feature. Horticultural and animal breeding cooperatives and their characteristics. Insurance cooperatives and their peculiar features. Membership in consumers' cooperatives. Credit cooperative as an especial part of agricultural consumers' cooperation. The role of credit cooperation in the cooperation system. The main functions of credit cooperatives. The main principles of credit cooperatives formation and their activity.

**Topic 8. Social and economic role of agricultural cooperation**

Agricultural cooperatives in agri-industrial complex as the means to protect small agrarian producers from the processing monopolists. Special role of a state in forming agricultural cooperation system. State regulation of cooperation and integration subjects and their economic activities.

**Unit 3. Agricultural integration for sustainable rural development**

**Topic 9. Types of agricultural integration**

Forms of agricultural integration. Classification of integrated agricultural organisations according to branch and functional characteristics. Classification of integrated organisations by the territorial scale: district, regional, republican, federal. Non-commercial agricultural organisations: non-commercial partnership, association (union), consumers' cooperatives. Agricultural commercial organisations: limited partnership company, closed corporations, holding, financial industrial group.

**Topic 10. New tendencies in Agricultural integration**

Stages of integration processes development in Russia. Tendencies of integration development in agri-industrial complex of Russia. Integration processes in the agri-industrial complex: merging, joining, division, reformation. The concept of integration as a system. Integration in economics. Three forms of integration: vertical, horizontal and conglomerate merging "forward", or "up", and vertical merging "backwards", and "down". Main principles of agricultural integrated formation. The concept of a holding and its legal status. The process of formation and functioning of holding companies. The economic sense of holdings. The objectives of holding formation. Types of holdings.

**Topic 11. Management of integrated agricultural formations**

Management in agriculture. Organisation system on commercial basis. Non-commercial organization of the structures.



Mixed non-commercial and commercial organization. Economic management. Profit formation management. Management of holdings. Economic control in holdings. Types of economic reporting relationships and economic control in a holding.

**Teaching/learning methods**

Lectures, seminars, group training, case studies, business games, project activities

**Preconditions for participation**

<b>Knowledge, skills, competences</b>	None
<b>Preparation for the module</b>	<p><b>Software and Internet Resource:</b>  <a href="http://revolution.allbest.ru/">http://revolution.allbest.ru/</a>  <a href="http://www.etiket.ws/">http://www.etiket.ws/</a>  <a href="http://window.edu.ru/window_catalog/pdf2txt?p_id=18328">http://window.edu.ru/window_catalog/pdf2txt?p_id=18328</a>  <a href="http://www.alleng.ru/d/manag/man130.htm">http://www.alleng.ru/d/manag/man130.htm</a>  <a href="http://philosophic.hf-quap.ru/historical/ethics.html">http://philosophic.hf-quap.ru/historical/ethics.html</a>  <a href="http://tigf.org/Suschnostj-etiki-delovih-otnoshenij.html">http://tigf.org/Suschnostj-etiki-delovih-otnoshenij.html</a>  <a href="http://www.iteam.ru/publications/corporation/section_94/article">http://www.iteam.ru/publications/corporation/section_94/article</a></p> <p><b>Literature:</b>            1. Minakov I. A., Cooperation and Agri-Industrial Integration. [Electronic resource] — SPb.: Lan, 2017. — 352 p. — Access: <a href="http://e.lanbook.com/book/91901">http://e.lanbook.com/book/91901</a>            2. Antsyferova O.Y. Cooperation and Integration Processes in Agri-Industrial Sector of Russia / O. Y. Antsyferova – Michurinsk: Michurinsk SAU.- 2016</p>

**Usability of the module**

<b>Interrelation to other modules within the course</b>	<p>Connected with “Regional Economics and Management”, «The Concept of Sustainable Rural Development», «Rural Economics», «Institutional Economics », «Organic Agriculture» and others.</p> <p>The course implies interdisciplinary connections with professional and special elective subjects, as it will be helpful to acquire them. The course also forestalls the practicums.</p>
<b>Use in different study courses</b>	Creditability

**Module references to sustainable development**

**Content**

The development of agriculture requires the application of the efficient cooperation and integration models used by agricultural producers and servicing enterprises, which makes the management of the cooperation and integration processes very acute. Thus the course “Cooperation and Integration in Agriculture” is considered to be an important aspect in training the masters and will contribute to the modern rural development.

**Exam performances (preconditions for allocation of credit points)**

<b>Type and duration (min)</b> 3 ECTS points/108 academic hours: lectures -16 academic hours; seminars-32 hours, self - study - 60 academic hours	<b>Share %</b> Lectures -15%; seminars -30%; self - studies-55%
---	--

**Organisation**

Responsible for the module





Viktoria Leushkina, Candidate of Sc. Agr., A.P.

<b>Type of the module</b> Variable	<b>Regular cycle</b> Once in the completion of the course of studies	<b>Duration</b> 1 semester
<b>Admission requirements</b> none	<b>ECTS points</b> 3	<b>Presence on semester week hours</b> 6 academic hours
<b>Workload</b> 3 ECTS points x 36 academic hours = 108 academic hours, 6 hours a week, <b>with the following allocation</b>		
<b>Presence / Contacts</b> 48 academic hours / 44%	<b>Preparation/ follow up/ self-study/</b> 60 academic hours / 56%	<b>Tasks/Group work/</b> e.g. 40 academic hours / 37%

## Disaster risk management and adaptation to climate change

### Module description

<b>Code</b> P1.VP.ED.5.1	<b>Title of the module</b> "Disaster risk management and adaptation to climate change"
-----------------------------	---

### Contribution of the module to the study objectives

#### Qualification objectives

Purpose is to acquire the knowledge essential for problem solving in the field of estimation, analysis and management of climatic, environmental and population health risks. To fulfil this, it is important to learn about risks, anthropogenic systems, human and ecosystems health assessment criteria, environmental conditions assessment criteria, hazards impact and outcomes for human, etc.

Dublin Descriptors	Title of the module	Competences	Disciplines	Learning Outcomes
A. Knowledge and understanding; B. Applying knowledge and understanding; C. Expressing judgments and drawing conclusions; D. Communication skills; E. Ability to study.	Module 4	CPC-4	Disaster risk management and adaptation to climate change	A. Knows the methods of agrophytocenosis assessment and techniques of agricultural crops cultivation correction in different weather conditions. B. Applies correction techniques of agricultural crops cultivation in the conditions of climate change and natural disasters; C. Develops correction techniques of agricultural crops cultivation in the conditions of climate change and natural disasters; D. Analyses the risks of natural disasters and climatic risks, as well as the impact of these risks on the state of agrophytocenosis; E. Assesses the risks of natural disasters and climatic risks, as well as the impact of these risks on the state of agrophytocenosis;



	Knowledge	Skills	Competences
Professional	x	x	x
System			
Self			
Social	x	x	x
<b>Content</b>			
1. Risk assessment methodology as grounds for decision-making in ecology 2. Current anthropogenic impact. Global eco problems 3. Quantitative assessment of hazardous exposure to toxic substances and other pollutants. Risk analysis 4. Main directions and methods of environmental pollution risks mitigation 5. Resource saving. Resource saving and low-waste technologies			
<b>Teaching/learning methods</b>			
Visual lectures, discussion seminar, professional simulation			

### Preconditions for participation

<b>Knowledge, skills, competences</b>	None
<b>Preparation for the module</b>	<p><b>Software and Internet Resources:</b>  <a href="http://znanium.com">http://znanium.com</a>  <a href="http://e.lanbook.com">http://e.lanbook.com</a></p> <p><b>Literature:</b></p> <ol style="list-style-type: none"> <li>Hodakov V. E. Natural and climatic factors and socio-economic systems / V. E. Hodakov, N. A. Sokolova. - M.: research centre INFRA-M, 2016. - 604 p.</li> <li>Kislov A.V. Climatology / A. V. Kislov, V. Surkov. — 3rd ed. extra — M. : INFRA-M, 2017. - 324 p.</li> <li>Sibikin M. U. Power saving technology, 2nd ed. - M.: FORUM, 2010 – 352 p.</li> <li>Protasevich A. M. Energy saving in the systems of heat, ventilation and air conditioning / A. M. Protasiewicz.- M. : research centre Infra-M ; Minsk : New knowledge, 2013. - 286 p.</li> <li>Yergin D. In search of energy: resource wars, new technologies and the future of energy / D. Yergin ; Lan' publishing. English. - M.: Al'pina Publishing, 2017. - 720 p.</li> <li>Yakovlev V., Alternative energy sources and energy saving. Practical designs on use of energy of wind, the sun, water, the earth, biomass / V. Germanovich, A. Turilin. – SPb publishing.: Science and Technology, 2014. - 320 p.</li> <li>Bobovich B. B. Utilization of cars and auto components - M. : FORUM, 2011. - 168 p.</li> <li>Pilovets G. I. Meteorology and climatology - M.: research centre Infra-M, 2013. - 399 p.</li> <li>Simulation of ocean circulation and investigation of its response to short-period and long-period atmospheric effects. - M.: FIZMATLIT, 2013. - 272 p.</li> </ol>

### Usability of the module

<b>Interrelation to other modules within the course</b>	The course is closely connected with the content of the following modules: "The management and conservation of biological resources", "bases of sustainable development agroecosystem", etc. Also, it considers some interdisciplinary correlations with other professional subjects and electives, which require the knowledge and skills obtained during this course
<b>Use in different study courses</b>	Creditability

### Module references to sustainable development

<b>Content</b>	
----------------	--



Ecological risks forecasting and assessment. Broad assessment of waters damages caused by contamination by economic entities. Broad assessment of atmosphere damages caused by enterprises boiler plants pollution. The definition of harmful emissions from diesel rolling stock and payments for air pollution caused by mobile sources. Determination of economic efficiency of nature protection measures. Expert evaluation of planning of environmental protection measures. Calculation of water treatment facilities washing and steaming station. Overall assessment of damages from pollution of land resources waste management of railway enterprises.

**Exam performances (preconditions for allocation of credit points)**

Type and duration (min)	Share %
Pass/Non-pass (30 min)	25

**Organisation**

<b>Responsible for the module</b> Ekaterina Ozyakova, Candidate of Sc. agr., A.P.		
<b>Type of the module</b> Variable	<b>Regular cycle</b> Once in the completion of the course of studies	<b>Duration</b> 1 semester
<b>Admission requirements</b> No	<b>ECTS points</b> 3	<b>Presence on semester week hours</b> 4-6 academic hours
<b>Workload</b> 3 ECTS / 108 hours = 2-4 hours/week, <b>with the following allocation</b>		
<b>Presence / Contacts</b> 32 hours / 30%	<b>Preparation/ follow up/ self-study</b> 76 hours / 70%	<b>Tasks/Group work</b> 20 hours / 18,5%



# Gastronomy

## Module description

<b>Code</b> P.VP.ED. 3.1	<b>Title of the module</b> "Gastronomy"
-----------------------------	--

## Contribution of the module to the study objectives

**Qualification objectives** – to form the idea about gastronomy and gastronomic tourism as a prospective trend in rural development. The course presents gastronomic in the world and in Russia as well as with other ways and habits of different countries.

Dublin descriptors	Title of the module	Competences	Discipline	Learning Outcomes
A. Knowledge and understanding; B. Applying knowledge and understanding; C. Expressing judgments and drawing conclusions; D. Communication skills; E. Ability to study.	Module 2	CPC-3 PC-10 PC-12	Gastronomy	A. Knows the history of gastronomic and enologic world traditions, defines, describes and explains the local cultural influence on the development of rural gastronomic tourism. B. Is aware of modern everyday cultural features of a certain region, defines the population requirements and the development level of local and Russian gastronomic tourism, is able to organize a gastronomic tour as a part of his professional activity. C. Has the skills to work with the information concerning a gastronomic tour organisation, analyses modern state of a gastronomic tourism in a certain region. D. Possesses communicative culture necessary to achieve the goals set and uses sustainable rural development indicators in a gastronomic tour development. E. Evaluates the natural and cultural potential of a rural territory for the purpose of a gastronomic tour development; able to support touristic strategy development and project proposals at a local, regional and federal levels.

	Knowledge	Skills	Competences
Professional	x	x	x
System	x		
Self		x	x
Social	x	x	x

### Content

#### Unit 1 Gastronomy: Modern tendencies and prospects

**Topic 1.** Nutrition as an element of cultural heritage in rural territories. The history of gastronomic tourism. Types of gastronomic tours. The role of gastronomic tourism in the experience economy.

#### Unit 2 Tourism geography

**Topic 2.** Gastronomic world map



International and national organizations of culinary and gastronomic tourism. Main regions of gastronomic tourism in the world. Main regions of gastronomic tours in Russia.

**Topic 3. Main world gastronomic occasions**

The influence of a gastronomic brand on the touristic brand formation of a territory. World food and drink festivals. Food festivals in the regions of Russia.

**Topic 4. Food culture and traditions of the world**

Religious influence on the food culture and traditions. National peculiar features of food and nutrition in rural territories. Traditions and types of feasts. Tourism and national culture: diet issues.

**Unit 3 Development methodology of a gastronomic tour**

**Topic 5. Peculiar features, stages and conditions of gastronomic tours development**

Peculiar features of a gastronomic tour formation. Development stages of a gastronomic tour. Conditions analysis of a gastronomic tour development.

**Unit 4 Oenology and Extreme Cuisine**

**Topic 6. Oenology**

History and Geography of Wine Tourism. Peculiar features of viticulture and wine production. Wine serving. Sommelier's and caviste's working principles. Food and drink composition rules.

**Topic 7. Tourists safety and national food consumption**

Extreme cuisine: composition of proteins, fats and carbohydrates. Peculiar features of tourists' national food consumption.

**Teaching/learning methods:**

Visualising lecture, group work, presentation, study cases

**Preconditions for participation**

<b>Knowledge, skills, competences</b>	none
<b>Preparation for the module</b>	<p><b>Literature references, references on multimedia based teaching and learning programmes:</b>  <a href="http://www.unwto.org">http://www.unwto.org</a>  <a href="http://www.russiatourism.ru">http://www.russiatourism.ru</a>  <a href="http://www.ratanews.ru">http://www.ratanews.ru</a>  <a href="http://znanium.com/bookread.php?book=39198">http://znanium.com/bookread.php?book=39198</a></p> <p><b>Literature:</b></p> <ol style="list-style-type: none"> <li>1. Borovskaya I. L., Dedova M.A., Matetskaya M.V., Trabskaya Y. G. Creativity in Gastronomy: tendencies and practice / Edited by: V.E. Gordin, Y.G. Trabskaya. SPb. : Levsha St. Petersburg, 2015</li> <li>2. Skobkin S.S. Service practice in hospitality and tourism industry: Teaching manual / S.S. Skobkin. - M.: Magistr: НИЦ INFRA-M, 2013. - 496 p.: 60x90 1/16. ISBN 978-5-9776-0018-7</li> <li>3. Aleksandrova A.Y. International Tourism. - M.: KNORUS, 2010. – 464 p.</li> <li>4. Birzhakov M.B. Introduction to Tourism – SPb.: Nevskiy Fund, 2007. – 576 p.</li> <li>5. Durovich A.P. Organising Tourism: Teaching Manual. – SPb, 2009. – 320 p.</li> <li>6. Hospitality industry: basic rules of organization and management / A.D. Chudnovskiy, M.A.Zhukova, Y.M.. Belozeroва, E.H. Knyshova. - M.: FORUM: INFRA-M, 2011. - 400 p.</li> <li>7. Kuskov A.S., Dzhalyadyan Y.A. Basics of Tourism. Higher education manual. - M.: KNORUS, 2010. – 388 p.</li> </ol>

**Usability of the module**



<b>Interrelation to other modules within the course</b>	The discipline interrelates with “Agricultural Tourism”, “Marketing of Ecological and Regional Products”, etc., as well as with some other professional elective courses. Creditability
<b>Use in different study courses</b>	

### Module references to sustainable

<b>Content</b>
“Gastronomy” module informs the students about the gastronomic area and gastronomic tourism, gives understanding of the gastronomy role in the development of rural territories as an instrument to promote touristic destinations, to form gastronomic brands of a country, region, city. It forms the awareness of a gastronomy as a branch and gastronomic tourism as a essential element of a experience economy and as a creative industry. The course gives the basic knowledge and skills to apply the developed approaches and instruments of a gastronomic tourism.

### Exam performances (preconditions for allocation of credit points)

<b>Type and duration (min)</b>	<b>Share %</b>
Test (60 min)	15 %

### Organisation

<b>Responsible for the module</b> Anna Veber, Candidate of Sc. Tech., A. P.		
<b>Module type</b> Compulsory	<b>Regular Cycle</b> During the 2-d semester	<b>Duration</b> 1 semester
<b>Admission requirements</b> none	<b>ECTS points</b> 3	<b>Presence on semester week hours</b> 2-4 academic hours
<b>Workload</b> 3 ECTS/ 108 hours = 2-4 hours a week, with the following allocation		
<b>Presence/Contats</b> 48 hours. / 44 %	<b>Preparation/ follow up/ self-study/</b> 60 hours. / 61 %	<b>Tasks/Group work</b> 12 hours. / 17 %



# Innovative technologies in agriculture

## Module description

<b>Code</b> P1. CD.7	<b>Title of the module</b> “Innovative technologies in agriculture”
-------------------------	--

## Contribution of the module to the study objectives

<b>Qualification objectives</b>				
Module objective is to master competences in the field of obtaining new scientific knowledge of the production of products from plants for human nutrition, animal feeding and raw materials for industry.				
Dublin Descriptors	Title of the module	Comp e- tences	Discipline	Learning outcomes
A. Knowledge and understanding; B. Applying knowledge and understanding; C. Expressing judgments and drawing conclusions; D. Communication skills; E. Ability to study.	Module 5	CC-2, CC-5, CC-7, CPC-4, PC-7	Innovative technologies in agriculture	A. Knows the concept and main principles of innovations and the main problems and solutions in agriculture B. Forecasts the efficiency of innovations implementation; C. Analyses the methods of preliminary research of innovations; D. Applies innovative technologies in agricultural and zoo technology; E. Assesses the efficiency of innovative technology.
		Knowledge	Skills	Competences
Professional		X	X	X
System		X		
Self			X	X
Social		X	X	X
<b>Content</b>				
<b>1. Current problems in agronomy and animal husbandry, the main ways to solve them.</b>				
1.1 Resource conservation in agriculture and crop production				
2. 2 Problems of crop production intensification				
2. 3 Problems of productive longevity of animals				
<b>2. Innovations in agribusiness</b>				
2.1 Basic principles and concepts of innovation				
2.2 System of innovative activity				
2.3 Methods of preliminary innovations research				
2.4 Problems of innovations in agricultural production in Russia				
<b>3. Innovative agro-technologies and zootechnologies</b>				
3.1 No-till system				
3.2 Clearfield system				
3.3 Innovative technologies for animals' management and feeding				
<b>Teaching/learning methods</b>				
lecture-visualization, discussion workshop, master class.				



## Conditions for participation

<p><b>Knowledge, skills, competences</b> <b>Preparation for the module</b></p>	<p>Knowledge of the main field crops, ecologically sound technologies for their cultivation</p> <p><b>Software and internet resources:</b>  <a href="http://znanium.com">http://znanium.com</a>  <a href="http://e.lanbook.com">http://e.lanbook.com</a></p> <p><b>Literature:</b>  Agriculture [Electronic resource]: a textbook. - M.: INFRA-M, 2013. - 608 p.  Electronic copies of official publications [Electronic resource]. - Electronic journal. - M.: Yuridicheskaya literatura. Electronic version of the printed publication.  Weed plants of cereal agrocoenosis in conservation agriculture: a monograph. - Novosibirsk: [without publishing house],2006.-160 p.  Agriculture: a large encyclopedic dictionary/ main editor V.K. Mesyats, 1998. – 656 p.  Directory of pesticides and agrochemicals allowed for use on the territory of the Russian Federation. - M.: Agrorus, 2010. - 812 p.  The Land Code of the Russian Federation: taking into account Federal Laws No. 167-Φ3, 168-Φ3. - M.:Prospekt, 2010. - 88 p.  Agriculture of Western Siberia: a textbook / ed.by N.V. Abramov, A.M. Sitnikov. - Tyumen: TSAA, 2009. - 348 p.</p>
--	---

## Usability of the module

<p><b>Interrelation to other modules within the course</b></p>	<p>The learning of the discipline is connected with the content of such disciplines as "Agrotourism", "Marketing of ecological and regional products", etc. The program also takes into account interdisciplinary ties with other professional, special and elective disciplines, which require corresponding knowledge and skills.</p>
<p><b>Use in different study courses</b></p>	<p>Possibility of reassessment</p>

## Module references to sustainable development

<p><b>Content</b></p> <p>The main components of innovative technologies are studied. Problems and strategic directions of development of the main branches of agriculture of our country, crop production and animal husbandry.</p>
---

## Types of examination (preconditions for allocation of credit points)

Type and duration (min)	Share %
Pass/Non-Pass with grading (60 min)	25

## Organisation

<p><b>Responsible</b> Prof. Vasily Ershov, Dr. Sc. Agr.</p>		
<p><b>Type of the module</b> Compulsory</p>	<p><b>Frequency</b> Once in the completion of the course of studies</p>	<p><b>Period</b> 1 term</p>
<p><b>Eligibility criteria</b> N.a.</p>	<p><b>ECTS</b> 3</p>	<p><b>Admission, academic hour per week</b> 4-6 academic hours</p>
<p><b>Workload</b> 3 ECTS/108 hours = 2-4 hours/week, <b>with the following subdivision</b></p>		
<p><b>Presence / Contacts</b> 48 hours / 44%</p>	<p><b>Preparation/ follow up/ self-study</b> 60 hours / 56%</p>	<p><b>Tasks/Group work</b> 40 hours / 28%</p>





Co-funded by the  
Erasmus+ Programme  
of the European Union





# Integrated quality management

## Module description

<b>Code</b> P1.VP.ED.2.1	<b>Title of the module</b> "Integrated quality management"
-----------------------------	---

## Contribution of the module to the study objectives

<b>Qualification objectives</b>				
Module objective is to increase the competencies of students in the field of integrated quality management systems necessary for the successful operation of the enterprise, to acquire practical skills in the development of strategic documents of the organization.				
Dublin Descriptors	Title of the module	Competences	Discipline	Learning outcomes
A. Knowledge and understanding; B. Applying knowledge and understanding; C. Expressing judgments and drawing conclusions; D. Communication skills; E. Ability to study.	Module 5	CPC-3	Integrated quality management	A. Knows the basic tools for processing production updates and understands the quality and safety requirements and design and operation requirements integrated safety management system; B. Uses national and international efficiency assessment criteria of integrated quality management system; C. Develops solutions for the implementation of innovative measures on the example of specific situations; D. Analyses risks in order to ensure the safety of new technology in agribusiness;
			Knowledge	Skills
Professional		X		X
System		X		X
Self				X
Social				

### Content

#### 1. Standards of the ISO series

1.1 ISO 9001:2000 - quality management system.

1.2 ISO 14001 – environmental management system.

1.3 OHSAS -18000 – occupational safety and health management system.

1.4 SA 8000 – social responsibility system.

1.5 ISO 27000 – information security management system.

1.6 ISO 22000:2005 – food safety management system.

1.7 ISO 20225 – research of requirements and consumer satisfaction.

1.8 BSC – a balanced scorecard, tracks the dynamics of the level of profitability of the enterprise's activities and is under development.

#### 2. Practical recommendations

2.1 Components of the sectoral quality management system. Interaction of sub-systems of organizations management.

2.2 Fundamentals of integrated management system. Stages of designing integrated management system. Interested parties in the implementation of integrated management systems.



2.3 Standards of the ISO series 9000,10000, 14000, OHSAS 18000 etc.

**Teaching/learning methods**

lecture-visualization, lecture-discussion, discussion

**Conditions for participation**

<b>Knowledge, skills, competences</b>	n.a.
<b>Preparation for the module</b>	<p><b>Software and internet resources:</b>  <a href="http://znanium.com">http://znanium.com</a>  <a href="http://e.lanbook.com">http://e.lanbook.com</a></p> <p><b>Literature:</b>  Rozhkov V.N. Quality management [Text]: a textbook for universities / V.N. Rozhkov. - M.:FORUM, 2012. - 336 p.  Burchakova M.A. Quality management: an educational guide / M.A. Burchakova, M.F. Mizintseva. - M.: RUDN Publishing house, 2004. - 199 p.  RNS R ISO 9000 - 2001 Fundamental principles and vocabulary [Text]: standard. - Official edition. - Since 15.08.2001. - Moscow: Publishing house "Standartov", 2002. - 26 p.  RNS R ISO 9001 – 2001 Quality management systems. Requirements [Text]: standard. - Official edition. - Since 15.08.2001.- Moscow:Publishing house "Standartov", 2001. - 22 p.  On the quality and safety of food: Federal law: laws and legislative acts. - M.: INFRA-M, 2001. - 27 p.  Magomedov Sh. Sh. Products quality management [Electronic resource]: a textbook / Sh. Sh. Magomedov, G.E. Bespalova. – M.: Dashkov and Co., 2013. - 336 p.</p>

**Usability of the module**

<b>Interrelation to other modules within the course</b>	The learning of the discipline is connected with the content of such disciplines as "Marketing of ecological and regional products", etc. The program also takes into account interdisciplinary ties with other professional, special and elective disciplines, which require corresponding knowledge and skills.
<b>Use in different study courses</b>	Possibility of reassessment

**Module references to sustainable development**

<b>Content</b>
The study of the components of sectoral quality management systems, as well as the interaction of quality management sub-systems, will allow defining general requirements for designing integrated quality management system (Occupational Safety and Health, personnel safety, environmental safety, social responsibility, food safety, etc.). The implementation of systems leads to the formation of an optimal system of quality indicators that meet the international standards requirements, aimed at sustainable development of rural areas, which is appropriate in today's market.

**Types of examination (preconditions for allocation of credit points)**

<b>Type and duration (min)</b>	<b>Share %</b>
Pass/Non-Pass (30 min)	25

**Organisation**

<b>Responsible</b>
Anna Veber, Candidate of Sc. Tech., A.P.



<b>Type of the module</b> Variable	<b>Frequency</b> Once in the completion of the course of studies	<b>Period</b> 1 term
<b>Eligibility criteria</b> N.a.	<b>ECTS</b> 3	<b>Admission, academic hour per week</b> 4-6 academic hours
<b>Workload</b> 3 ECTS / 108 hours = 2-4 hours/week, <b>with the following subdivision</b>		
<b>Presence / Contacts</b> 32 hours / 30%	<b>Preparation/ follow up/ self-study</b> 76 hours / 70%	<b>Tasks/Group work</b> 20 hours / 18,5%

## Land and property relations

### Module description

<b>Code</b> P1.VP.CD.9	<b>Title of the module</b> “Land and property relations “
---------------------------	--

### Contribution of the module to the study objectives

#### Qualification objectives

**Purpose** - to shape competences in legal foundations and methods of land and property related regulation

Dublin Descriptors	Title of the module	Competences	Discipline	Learning outcomes
A. Knowledge and understanding; B. Applying knowledge and understanding; C. Expressing judgments and drawing conclusions; D. Communication skills; E. Ability to study.	Module 4	CC-6	Land and property relations	A. Knows the principles of land and property relations management B. Makes organizational and managerial decisions in the field of land and property relations C. Analyses land and property relations in different conditions D. Makes organizational and managerial decisions on the basis of land and property relations analysis E. Evaluates the efficiency of organizational and managerial decisions in the field of land and property relations



	Knowledge	Skills	Competences
Professional	x	x	x
System	x	x	
Self		x	
Social			x

**Content****Topic 1: Legal foundations of land and property relations**

Theme 1. Civil law relations;

Theme 2. Functions of civil law

Theme 3. Subjects of civil law

Theme 4. Land law relations.

**Topic 2: Land and property relations development**

Theme 1. The concept of land and property relations

Theme 2. Creating and changing land-property relations for different forms of ownership

**Topic 3. Regulation of land and property relations**

Theme 1. Main mechanisms of land and property relations regulation;

Theme 2. Prospects of land and property relations development

**Topic 4. Features of regulation of land and property relations in agricultural enterprises**

Theme 1. The types of municipal institutions

Theme 2. The functions and powers of local governments in the management of the-Mielno-property complex

**Teaching/Learning forms**

Visual-lecture, seminar-discussion, presentation of the report in the discipline

**Conditions for participation**

<p><b>Knowledge, skills, competences</b> <b>Preparation for the module</b></p>	<p>Skills of work with legal documents and acts</p> <p><b>Software and internet resources</b></p> <ol style="list-style-type: none"> <li>1. URL: <a href="http://www.garant.ru/">http://www.garant.ru/</a> (legal reference system "Garant").</li> <li>2. URL: <a href="http://www.consultant.ru/">http://www.consultant.ru/</a> (legal reference system «ConsultantPlus»).</li> <li>3. URL: <a href="http://www.kodeks.ru/">http://www.kodeks.ru/</a> (legal reference system "Kodeks").</li> <li>4. URL: <a href="http://www.economy.gov.ru/">http://www.economy.gov.ru/</a> (Ministry of Economic Development of the Russian Federation).</li> <li>5. URL: <a href="http://rosreestr.ru/">http://rosreestr.ru/</a> (Federal Registration Service, Cadastre and Cartography).</li> <li>6. URL: <a href="http://omskportal.ru/">http://omskportal.ru/</a> (<a href="#">Administration of the Omsk region</a>)</li> </ol> <p>Literature:</p> <ol style="list-style-type: none"> <li>1 Filippova, TA, Makenova, S.K. Land and property relations: Textbook. allowance / T.A. Filippova, S.K. Makenova; No. of villages. the farm Ros. Federation - Omsk: FGBOU HPE OMSGU them. P.A. Stolypin, 2016. - 52 p.</li> <li>2 Podeiko S.A. Land and property relations. Regulation of land and property relations [Electro-resource]. - Moscow, 2014</li> <li>3 Shmarova G.M. Bases of the state and municipal management: the textbook - Moscow: the Moscow financial-industrial university "Synergy", 2013. – 320 p.</li> </ol>
--	---

**Usability of the module**



<b>Interrelation to other modules within the course</b>	<p>The programme acquisition is based on the following modules: "The theory and mechanisms of state and municipal management", "Social policy and rural development", etc.</p> <p>The module considers interdisciplinary correlations with other modules, which require the knowledge of Landscape planning course ( "Legal framework for sustainable rural development", "Information and consulting services in the agricultural sector", etc.)</p>
<b>Use in different study courses</b>	

## Module references to sustainable development

### Content

The module provides the opportunity to learn the legal basis of land and property relations, apply practical skills and methods of land and property relations regulation in municipalities for the purposes of sustainable development.

The course fully covers the system of correlated legal acts in Russia and focuses on the formation of land and property relations, real estate and land markets development. The acquired knowledge and skills will allow students to participate in the development of measures for the development of the land-property complexes of the municipalities, improving the system of management of municipal property, which will be reflected in the strategic projects of rural areas

## Types of examination (preconditions for allocation of credit points)

<b>Type and duration (min)</b>	<b>Share %</b>
Presentation (40 minutes); testing (40 minutes)	20 %

## Organisation

<b>Responsible</b> Tatiana Anatolievna Phillipova – A.P., candidate of agricultural sciences		
<b>Type of the module</b> Compulsory	<b>Frequency</b> Once per programme	<b>Period</b> 1 semester
<b>Eligibility criteria</b> Skills to work with normative documents, legislative acts	<b>ECTS</b> 3	<b>Admission, academic hour per week</b> 4-6 academic hours
<b>Workload</b> 3 ECTS / 108 hours = 4-6 hours/week, <b>with following allocation</b>		
<b>Presence / Contacts</b> 48 hours / 44%	<b>Preparation/ follow up/ self-study/</b> 60 hours / 56%	<b>Tasks/Group work/</b> 34 hours / 31%
<b>Other</b> Annotation of science articles and monographs		



# Landscape planning

## Module description

<b>Code</b> P1. C.6	<b>Title of the module</b> “Landscape planning”
------------------------	--

## Contribution of the module to the study objectives

### Qualification objectives

**Purpose** – to study the concept of landscape planning, purposes, methods approaches and tools of landscape planning depending on current landscape and ecological conditions and their purpose.

Dublin Descriptors	Module	Competences	Discipline	Learning outcomes
A. Knowledge and understanding; B. Application of knowledge and understanding; Expression of judgments; Conclusions; D. Communication skills; E. Ability to study.	Module 4	CC-8, CPC-6, PC-8	Landscape planning	A. Knows and understands latest scientific achievements which respond to challenges in landscape planning; B. Conducts the landscape system assessments using the different methods; C. Analyses the ecological state of landscapes; D. Presents the landscape planning research results E. Understands the representations of findings in the field of landscape planning;

	Knowledge	Skills	Competences
Professional	x	x	x
System	x		x
Self		x	x
Social	x	x	x

### Content

#### Topic 1. Basics of landscape planning

Scientific foundations of landscape design. The concept of landscape design. Goals, tasks of discipline. Goals, tasks of landscape designing Legal bases of landscape designing. Information basis of landscape design. Objects and objects of landscape design. History of the development of landscape design: Egypt, Ancient Greece, Great Britain, France, China, Japan, Germany, Austria, Netherlands, Russia. Historical aspects of landscape design, characteristic for the organization of human life in ancient times before the XIX century, the stages and directions of landscape design in the XX century. Landscape design as part of territorial planning.

#### Topic 2. Tasks of landscape planning



Three directions of landscape planning: economic, landscape and ecological, aesthetic. The natural historical approach. Scientific conceptual and methodological approach. Maintaining the natural balance. Biodiversity conservation. The maintenance of natural and natural-anthropogenic (cultural) landscape. Classification of cultural landscapes

**Topic 3. Methods of landscape planning**

Purposes and terms of landscape design. Principles of landscape design: hierarchy, stages, relying on landscape-ecological carcass of the territory, functional structure, zoning. Assessment and analysis of ecological condition of landscapes. Landscape design: stages and content. Management of land-amenity and landscape benefits systems.

**Topic 4. Examples of the application of landscape planning**

Landscape planning in the agricultural landscape. The adaptive-landscape system of agriculture. The terrain, soils, and negative physiographic processes: erosion, deflation, salinization, bogging, floods. The suitability of soils for cultivation of agricultural crops.

Landscape design while preserving the historic cultural landscape. Objects and territory under protection. Development of environmental framework of the territory. The core (nodes) of ecological frame of the territory. Communicative areas.

**Teaching/learning methods**

Visual lecture, seminar, professional simulation, quiz

**Conditions for participation**

<p><b>Knowledge, skills, competences</b> <b>Preparation for the module</b></p>	<p>Ability to work with planning and cartographic material</p> <p><b>Software and internet resources:</b> Electronic library system ZNANIUM.COM Electronic library system "LAN' Publishing House" Electronic library system "E-library of technical University" Legal reference system "Garant system" <a href="http://elibrary.ru/defaultx.asp">http://elibrary.ru/defaultx.asp</a> <a href="http://panor.ru/journals/kadastr/">http://panor.ru/journals/kadastr/</a></p> <p><b>Literature:</b> 1. Ganzhara N. F. landscape science: a textbook. - M.: research center INFRA-M, 2014. - 240 p. 2. Z. F. Kochergina landscape science: proc. manual for schools/ Z. F. Kochergina: Omsk : publishing house of Omgau, 2014. -108 s. 3. Peculiarities in information support of agroeko-logical land assessment for the design of adaptive-landscape system of agriculture using GIS-technology: the method. benefit. - Novosibirsk : [b. I.], 2007. - 36 p. 4. Fateev M. M. Construction city objects oz-Lenine [Electronic resource] : a textbook / M. M. Fateev. - M. : FORUM, 2012. - 208 p. 5. Protasov V. F. Ecological bases of nature management: textbook. - Moscow: Alfa-M: INFRA-M, 2010. - 304 p. 6. Z. F. Kochergina Assessment of landscape structure for the purpose of land management : textbook. benefit. / Z. F. Kochergina, I. V. Horecka - Omsk: publishing house of Omgau, 2007. -119 p 7. Z. F. Kochergina Landscape-ecological bases of rationalization of land use: monograph. – Omsk: publishing house of Omgau, 2007. – 222 p. 8. Land management, cadastre and monitoring of lands: scientific.scient. a monthly. Sib. - M. : Education, 2004.</p>
--	--

**Usability of the module**

<p><b>Interrelation to other modules within the course</b></p> <p><b>Use in different study courses</b></p>	<p>The programme acquisition is based on the following modules: "Environmental economics", "Socio-economic analysis", "Land and property relations". The module considers interdisciplinary correlations with other modules, which require the knowledge of Landscape planning course.</p> <p>Can be requalified</p>
---	--





## Module references to sustainable development

### Content

The course shapes theoretical knowledge and practical skills in landscape planning and lays the background for successful acquisition of skills required in the design of sustainable development plans.

The module implies the introduction to the challenges of sustainable development and gives the knowledge of SWOT-analysis methodology, assessment of the ecological condition of landscapes, the construction of ecological frame of the territory, familiarizing students with the tools and stages of landscape planning. Accordingly, students will acquire knowledge about the laws, rules and procedures in the study area and scientific approaches and methods used to improve quality and efficiency in practical design activities.

## Types of examination (preconditions for allocation of credit points)

Type and duration (min)	Share %
Final testing (30 minutes)	10 %

## Organisation

### Responsible

Irina Vladimirovna Khorechko, A.P., candidate of agricultural sciences

Type of the module	Frequency	Period
Compulsory	Once per programme	1 semester
Eligibility criteria	ECTS	Admission, academic hour per week
No	3	8 academic hours
Workload		
3 ECTS / 108 hours = 4-6 hours/week, with following allocation		
Presence / Contacts	Preparation/ follow up/ self-study/	Tasks/Group work/
42 hours / 38,9%	66 hours / 61,1%	42 hours / 38,9%
Other		
<b>Tentative topics of reports within the module:</b>		
SWOT-analysis ..... region ..... district.		
Ecological evaluation and analysis of ... region ..... district.		
Construction of an ecological framework of the territory ..... area's..... . areas.		



# Legal foundation and principles of sustainable rural development

## Module description

<b>Code</b> P1.CD.2	<b>Title of the module</b> “Legal foundation and principles of sustainable rural development”
------------------------	--

## Contribution of the module to the study objectives

**Qualification objectives** – to form the competences helping to put into practice the knowledge in the sphere state governance and municipal administration of rural territories.

Dublin Descriptors	Title of the module	Competences	Discipline	Learning outcomes
A. Knowledge and understanding; B. Applying knowledge and understanding; C. Expressing judgments and conclusions; D. Communication skills; E. Ability to study.	Module 1	CC-6, CPC-3	Legal foundation and principles of sustainable rural development	<p>A. Knows the main concepts, legal provisions and principles of sustainable rural development as well as legal issues and social aspects human resource development.</p> <p>B. Able to put into practice the knowledge of legal and social issues concerning rural development, to consult rural population on legal issues and state – municipal management.</p> <p>C. Using the legal terminology, skills of legal provisions application and rules and regulations analysis, able to make up theoretical model of legal rural development regulation.</p> <p>D. Able to discuss in public the aspect of sustainable rural development.</p> <p>E. Analyses legal regulation aspects, suggests rules and regulations for state governance and municipal administration, promoting public stability and efficient interrelation between the civil society and the state.</p>

	Knowledge	Skills	Competences
Professional System	x x	x x	x
Self Social		x	x

### Content

#### Unit 1. Theory, history and legislative principles of rural development

#### Topic 1. Sustainable rural development as the subject for legal regulation

Scientific correlation: sustainable development and rural development. Principles of sustainable development: similarities and differences in the implementation of the programmes. The place of sustainable territorial development in the agrarian policy of Russia.



**Topic 2. Sustainable territorial development: legal survey**

International Commission on Environmental Protection and Development (Stockholm 1972, Rio 1992, Johannesburg 2002, summit «Rio+20» 2012); International summits (Millenium Summit 2000, world summits 2005 and 2010 rr.). Rio 1992 UN Conference on the Environemnt and Development and its historical significance. Implementation of the term “Sustainable Development” and ecological – economic regulation in Russia through the joint project “Harmonization of Ecological Standards”. Sustainable development in the RF National Security Strategy 2020.

**Topic 3. International policy on sustainable rural territories development, provision of legal mechanisms**

Agricultural production support in the EU countries. Agricultural cooperation experience in Japan. Chinese model of agricultural production regulation.

**Topic 4. Legal provisions of state regulation of sustainable rural territories development in Russia. Local authorities development.**

Regional reforms 1864. Legal provisions for local authorities formation 1990-1991. Federal laws concerning local authorities formation (1995r., 2003r.), local legal acts in the rural development regulation.

**Unit 2. Legal provisions on sustainable rural development in Russia**

**Topic 5. Formation of legal provisions on sustainable rural development in Russia**

State program on agricultural development and regulation of agricultural produce, raw materials and food market for 2013-2020. Subprogram «Sustainable development of rural territories for 2014-2017 and for the period till 2020». The concept of long-term social economic development in the RF for 2020.

**Topic 6. Modern problems in legislative regulation of sustainable rural development in Russia.**

RF Land Property Regulation. Drawbacks of Tax Regulation. Ecological Regulation. Antimonopoly Law.

**Topic 7. Ecological and legal aspects of sustainable rural development**

Modern ecological standards in Russia. Best practices of EU countries in ecological regulations. Prospective tendencies and some mechanisms to improve ecological legislation.

**Topic 8. Social and legislative tools of rural territories sustainable development management**

The concept of long-term social economic development in the RF for 2020: analyzing the results. Legislative basis for private property regulation. Cooperation of federal, regional and local authorities for sustainable agriculture and rural development.

**Teaching / Learning methods**

Lecture, seminar, case analysis, business game, group work

**Preconditions for participation**

<p><b>Knowledge, skills, competences</b> <b>Preparation for the module</b></p>	<p>Skills to work with the legislative documents, rules and regulations</p> <p><b>Internet resources:</b></p> <ol style="list-style-type: none"> <li>1. URL: <a href="http://www.garant.ru/">http://www.garant.ru/</a> (Information regulation system «Garant»).</li> <li>2.URL: <a href="http://www.consultant.ru/">http://www.consultant.ru/</a> (Reference system «ConsultsntPlus»).</li> <li>3.URL: <a href="http://www.kodeks.ru/">http://www.kodeks.ru/</a> (Information legislative system «Codex»).</li> <li>4.URL: <a href="http://правительство.рф/">http://правительство.рф/</a> (the Russian Federation Government).</li> <li>5.URL: <a href="http://www.gosnadzor.ru/">http://www.gosnadzor.ru/</a> (Federal Service on Ecological, Technological and Atomic Surveillance).</li> <li>6.URL: <a href="http://www.economy.gov.ru/">http://www.economy.gov.ru/</a> (The Russian Federation Ministry of Economic Development).</li> <li>7.URL: <a href="http://www.europa.eu.int">www.europa.eu.int</a> (EU website).</li> </ol> <p><b>Literature:</b></p> <ol style="list-style-type: none"> <li>1 Michurina F.Z. Sustainable rural development: teaching manual/ F.Z. Michurina, L.I. Tenkovskaya, S.B. Michurin; edited by Prof. F.Z. Michurina; RF Ministry of Agriculture: Perm SAA named after D.N. Pryanishnikov. Perm: IPS “Prokrost”, 2016 -293 p.</li> <li>2 Sustainable rural development. Teaching manual / edited by Prof. M. Dietherich, A. M. Merzlov. - M.: Ellis Lak, 2013.- 680 p.</li> </ol>
--	--



## Usability of the module

### Interrelation to other modules within the course

The module interrelates with “Institutional Economics”, “Theory and Mechanisms of State Governance and Municipal Administration”, “Social Policy and Rural Development”, interdisciplinary correlation can also be found with such disciplines as “Land Property Relations” and “Extension Services an Agriculture” etc.

### Use in different study courses

## Module references to sustainable

### Content

The course presents main legal provisions for sustainable rural development if the Russian Federation on the whole, as well as the peculiar features of regional and municipal programmes. The course gives the systemic overview of the rules and regulations which are in force in the RF, provides best practice experience in legislative regulation of rural development abroad. The knowledge and skills acquired will enable a graduate to participate in the development of rules and regulations concerning rural territories improvement for the short term periods as well as to propose long-term development strategies.

## Exam performances (preconditions for allocation of credit points)

Type and duration (min)	Share %
Making summaries of scientific sources (40 minutes), study - cases (40 minutes)	20 %

## Organisation

### Responsible for the module

Tatiana Mozzherina – Candidate of Economic Sciences, A. P.

### Type of the module

Compulsory

### Regular cycle

Once in the completion of the course of studies

### Duration

1 Semester

### Admission requirements

Skills to analyze rules and regulations

### ECTS-points

3

### Presence on semester week hours

4-6 academic hours

### Workload

3 ECTS points x 36 academic hours = 108 academic hours **with the following allocation**

### Presence/Contacts

32 academic hours / 30%

### Preparation/ follow up/ self-study

76 academic hours / 70%

### Tasks/Group work

16 academic hours / 15%

### Other

Summarizing scientific articles and other sources



# Managerial accounting and financial control in agriculture

## Module description

<b>Code</b> P1.V.ED.4.1	<b>Title of the module</b> "Managerial accounting and financial control in agriculture"
----------------------------	--

## Contribution of the module to the study objectives

<b>Qualification objectives</b>				
The objective of the module is to provide the learners with skills relating to the formation and exploitation of information about the enterprise/institution activities in the managerial decision making process.				
Dublin descriptors	Title of the module	Competences	Discipline	Learning outcomes
A. knowledge and understanding; B. applying knowledge and understanding; C. expressing judgements and drawing conclusions; D. communication skills; E. ability to study.	Module 5	CPC-3, PC-9	Managerial accounting and financial control in agriculture	A. Knows and understands the modern principles of managerial accounting and effective rules of the accounting of income, costs, and financial results for the managerial purposes. Knows and understands the system of the state financial control B. Use the knowledge of managerial accounting principles for decision making; C. For the purposes of managerial decision-making deals with the matters of assessment, accounting, analysis and planning of activity on the basis of managerial accounting information; D. Independently designs accounting policies for the managerial purposes, draw up internal management accounts, budgets, estimates; E. Able to evaluate managerial effectiveness on the basis of costs and income information and financial results.
		<b>Knowledge</b>		<b>Skills</b>
Professional		x		x
Systemic		x		
Self			x	x
Social		x		x
<b>Contents</b>				
<b>1. Managerial accounting: its role and meaning</b>				
Concept and basic principles of managerial accounting. Peculiarities of the organisation of managerial accounting in agricultural organisations. Managerial decision making on the basis of managerial accounting information.				
<b>2. Financial control organisation</b>				
Organisation of an in-house system for the control of the quality of managerial information. Statal financial control system in the Russian Federation. Financial control in agriculture.				
<b>3. Taxation of organisations, working in rural areas</b>				
Concept of taxation system. Types of taxes and taxation systems. Approaches to the optimisation of taxation. Punitive sanctions for the violation of tax regulations.				



## Teaching/learning methods

Lecture-discussion, seminar by way of thematical discussion, debates, case studies

## Conditions for participation

**Knowledge, skills,  
competences**

**Preparation for the module**

n.a.

### Software and online resources:

<http://www.rnk.ru>

<http://dic.academic.ru>

<http://www.rsl.ru/>

<http://www.libfl.ru/>

<http://elibrary.ru/>

<http://www.sci-lib.net/>

<http://lib.omgau.ru/>

### Literature:

1. Managerial accounting in agriculture [online]: a handbook / ed. by L.I. Khoruzhiy – Electronic textual data – Moscow: INFRA-M, 2013 – 207 p.
2. Fedorova, E.A. Control and revision [online]: a textbook for university students majoring in “Accountancy, analysis and audit” / E.A. Fedorova et al.; ed. by E.A. Fedorova – Moscow: YUNITI-DANA, 2012 – 239 p.
3. Kerimov, V.E. Managerial accounting: a university handbook / V.E. Kerimov – 7th ed. revised – Moscow: Dashkov i K°, 2009 – 477 p.
4. Serebryakova, T.Yu. Organisation risks and in-house economic control [online]: a monography / T.Yu Serebryakova - Moscow: INFRA-M, 2013 – 111 p.
5. Legal regulation of financial control in the Russian Federation: issues and perspectives [online]: a monography / Moscow State Juridical University; ed. by E.Yu. Gracheva – Moscow: NORMA: INFRA-M, 2013 – 384 p.
6. Evstigneev, E.N. Tax management and tax regulation in Russia [online]: a monography / E.N. Evstigneev, N.G. Viktorova – Moscow: INFRA-M, 2013 – 270 p.
7. Shutova, I.S. Book-keeping (managerial) accounting in agriculture [online]: a textbook / I.S. Shutova, G.M. Lisovich - Electronic textual data – Moscow: Vuzovskiy uchebnyk: INFRA-M, 2011 – 168 p.
8. Bakhan'kova E.R. Managerial accounting [online]: a textbook / E.R. Bakhan'kova – Electronic textual data – Moscow: RIOR: INFRA-M, 2011 – 255 p.
9. Berezhnoy V.I. Managerial accounting [online]: a textbook / V.I. Berezhnoy, G.E. Kroklicheva, V.V. Lesnyak – Electronic textual data – Moscow: INFRA-M, 2014 – 176 p.
10. Leont'ev V. Economical essay: Theory, research, facts, politics; trans. from English / V. Leont'ev – Moscow: Politizdat, 1990 – 414 p.
11. Electronical copies of official publications [online] – Online journal – Moscow: Yurid. lit. – Title on the box - Electronic version of the printed publication.
12. Rayzberg, B.A. Contemporary economic dictionary / B.A. Rayzberg, L.Sh. Lozovskiy, E.B. Starodubtseva – 6th ed. revised – Moscow: INFRA-M, 2008 – 511 p.
13. Rumyantseva, E.E. New economic encyclopedia / E.E. Rumyantseva – 3rd ed. – Moscow: INFRA-M, 2008 – 823 p.
14. Big economic dictionary [online]: more than 20,000 terms and definitions / supervisor A.B. Borisov – Moscow: Kn. mir, 2009 – 1 CD.
15. Chief accounting: a pratical journal for accountants - Moscow: Aktion, 1994.

## Usability of the module

**Interrelation to other  
modules within the course**

The content of the discipline is based on other disciplines such as “Socioeconomic analysis”, “Theory and mechanisms of statal local government”, “Institutions of economy”, “Agroeconomy”.



	The content of the discipline “Managerial accounting and financial control in agriculture” can help in the further study of “Project management”, “Extension services in agriculture”, and also during traineeship and stata final certification.
<b>Use in different study courses</b>	Possibility of reassessment.

## Module references to sustainable development

### Content

The activity of people living in rural areas is connected with the realisation of entrepreneurial activity along which managerial decisions are to be taken; these decisions can directly or indirectly influence the development of rural areas. The discipline “Managerial accounting and financial control in agriculture” covers issues relating to the formation, justification and adoption of managerial decisions the economical consequences of which must enable the sustainable development of rural areas.

The discipline “Managerial accounting and financial control in agriculture” represents an important factor in the formation of MSc whose activity is to be aimed at the sustainable development of rural areas.

## Types of examination (preconditions for allocation of credit points)

Type and duration (min)	Share %
Pass/Non-Pass (60 min)	10 %

## Organisation

<b>Responsible</b> Blinov Olev Anatol’evich, Assistant Professor, Candidate of Economic Sciences		
<b>Type of the module</b> Variable	<b>Frequency</b> Once in the completion of the course of studies.	<b>Period</b> 3rd term
<b>Eligibility criteria</b> N.a.	<b>ECTS</b> 3	<b>Academic hours per week</b> 4 academic hours
<b>Workload</b> 3 ECTS / 108 hours = 4 hours per week, with the following subdivision		
<b>In-presence / in-contact</b> 42 hours / 39 %	<b>Preparation/ follow-up / self-study</b> 66 hours / 61%	<b>Tasks / group work</b> 24 hours / 16,7 %
<b>Other:</b> <b>Examination questions about “Managerial accounting and financial control in agriculture”:</b>		
<ul style="list-style-type: none"> <li>) Economical essence of managerial accounting</li> <li>) Objects and methods of managerial accounting</li> <li>) Comparative analysis of managerial and financial accounting</li> <li>) Production accounting as a component of managerial accounting</li> <li>) Expenses as an object of managerial accounting</li> <li>) Concepts: expenses, costs, charges, object of expense accounting, object of calculation, expenses centre</li> <li>) Concept and types of responsibility centres</li> <li>) Expense classification</li> <li>) Revenue classification</li> <li>0) Total-cost accounting system</li> <li>1) Direct-cost accounting system</li> <li>2) Factual-cost accounting system</li> <li>3) Economic essence of calculation, types of calculation</li> <li>4) Classification of calculation methods</li> <li>5) Account-closing procedure and its defining factors</li> <li>6) Peculiarities of expense accounting and cost accounting of the services of auxiliary production</li> <li>7) Peculiarities of technology and expense accounting in the production of crop output</li> <li>8) General principles of cost calculation of animal products</li> <li>9) Expense accounting and cost accounting of industrial production</li> <li>0) Accounting and distribution of general production costs</li> <li>1) Accounting and distribution of general economic costs</li> </ul>		



- 2) General principles of cost calculation of work and services of production and economic operators
- 3) Organisational aspects of managerial accounting
- 4) Concept and types of budgeting, its role and function in managerial accounting
- 5) Basic principles of the formation of managerial accountancy. Accountancy user and terms of presentation.
- 6) Types and objectives of managerial accounting
- 7) Tasks which can be solved on the basis of managerial accounting information
- 8) Analys of production break-even
- 9) Basic conceptrions of expense reduction
- 0) Choosing the best strategy in gain and expense management
- 1) Basic tasks and objectives of external financial control
- 2) Preparation, planning, realisation and execution of outer control outcomes
- 3) Basic tasks and objectives of in-house financial control
- 4) Tasks and organisation of revision
- 5) Types of revision and their classification
- 6) Control system organs in the Russian Federation
- 7) Legal bases of control. Content, tasks and function of the common statal financial control
- 8) Statal financial control organ system
- 9) Methods for the realisation of the function of statal and local financial control
- 0) Essence, objectives and functions of financial independent control
- 1) Revision tasks, procedure of inspection and inventorying of values in storage and production departments
- 2) Material responsibility of the organisation employees
- 3) Factors which define the quality and efficiency of the revision
- 4) Irregularities in the acquisition and usage of materials
- 5) Expense revision in the production and cost calculation of production
- 6) Revision of tax policies
- 7) Concept of system of in-house control, organisation and objectives of in-house control. Control environment.





# Marketing of Ecological and Regional Products

## Module description

<b>Code</b> P1.V.ED.4.2	<b>Title of the module</b> “Marketing of Ecological and Regional Products”
----------------------------	---

## Contribution of the module to the study objectives

Qualification objectives				
Dublin Descriptors	Title of the module	Competences	Discipline	Learning outcomes
A. Knowledge and understanding ; B. Applying knowledge and understanding ; C. Expressing judgments and drawing conclusions; D. Communication skills; E. Ability to study.	Module 2	CPC -3 PC -1, PC-11	Marketing of Ecological and Regional Products	A. Knows the issues concerning technical regulation, legal and information provision in the area of ECO-labeling and marketing promotion of the ecological and regional products of rural territories; B. Able to develop merchandizing policy of an organization and region, forming distribution channels and the system of merchandizing flows, to choose modern sales methods of ecological and regional products; C. Analyses development and support / change of opinions and behaviour patterns or intentions of local consumers concerning local production by creating the positive image of the territory and its living conditions, as well as natural, technical, financial, human and social resources, the opportunities to involve them to a full extent and to reproduce them. D. Has an ability to develop and manage communicative systems, integrate different means of promoting ecological and local brands in them, to create a positive image of an organization or the region involved. E. Promotes knowledge of biology, ecology, geography, economics etc., forms ecological approach.
		Knowledge	Skills	Competences
Professional System		x	x	x
Self		x	x	x
Social		x	x	x

### Content

#### Topic 1. Trademark and eco-labeling of agricultural and food products at the RF market.

Classification of trademarks and their application. Registration order and legal protection of trademarks at the regional level. Eco-labeling as a set of information about the product or a service in the form of color symbols (legend) and their combinations. Peculiarities of eco-labeling in Russia.

#### Topic 2. Branding of rural territories

Branding as the main way to differentiate a product and a marketing instrument. Creation of eco-labeled and regional trademarks (classical lecture). Brand promotion of rural territories. Brand mimicry (imitation). Law regulation and the use of eco-labeled and regional brands. Territory branding as a way to support depressed areas.

#### Topic 3. Modern state of affairs of marketing of eco-labeled and regional products in Russia



The main stages of eco-marketing development. Marketing of eco-labeled and regional products of rural territories. Benchmarking system as the basis for market promotion.

**Topic 4. Algorithm of marketing plan development**

The structure and contents of the marketing plan. Marketing plan development mechanism development mechanism for rural territories products. Analysis methods for marketing plan development.

**Topic 5. Progressive tools and forms to develop marketing of eco-labeled and regional products**

Eco-sponsoring. Eco-leasing.

**Topic 6. Modern methods of BIO and regional products promotion**

IT market as a sale market. Products exhibition. Franchising. Telemarketing. Merchandizing. PR role in eco-products promotion. Individual sale.

**Teaching/learning methods**

Lecture / presentation, visualization lecture, group-work, case-studies, seminar (- with exercise), project

**Preconditions for participation**

<p><b>Knowledge, skills, competences</b> <b>Preparation for the module</b></p>	<p>N.a.</p> <p><b>Software and internet-resources:</b>  <a href="http://window.edu.ru">http://window.edu.ru</a>  <a href="http://e.lanbook.com">http://e.lanbook.com</a>  <a href="http://www.rucont">http://www.rucont</a>  <a href="http://ebs.rgazu.ru">http://ebs.rgazu.ru</a></p> <p><b>Literature:</b></p> <ul style="list-style-type: none"> <li>· Best R. Consumer’s marketing. M: Mann, Ivanov I Ferber. 2008. 98 p.</li> <li>· Kuznetsova A.V. Formation and development of regional brands/ Regionologia, 2008. №3 // URL: <a href="http://regionsar.ru/node/147?page=0,1">http://regionsar.ru/node/147?page=0,1</a></li> <li>· Marketing / A.V. Poshataev, M.V. Moskalev, E.I. Semenova.– M.: Koloss, 2007. 367 p</li> <li>· Marketing of territories: under the general revision of O.N. Romanenkova. - M. : Uright, 2015. — 262 p.</li> <li>· The newest directions of development of agrarian science in the works of young scientists: II International scientific-practical conference of young scientists (20-21 April, 2006, Krasnoobsk) / RAAS SB, NSAU. – Novosibirsk, 2006. - 654 p.</li> <li>· The concept of sustainable development of rural territories of the Russian Federation for the period till 2020</li> <li>· Kosenchuk O. V. Marketing in the agro-food complex: an educational guide / O.V. Kosenchuk, E.A. Bykova; Omsk SAU, Institute of Economics and Finance. - Omsk: Omsk SAU, 2010. - 108 p.</li> <li>· Kostina A. V. Fundamentals of advertising [Electronic resource]: electronic presentations (animation, sound); training tests; words, terms, personalia / A. V. Kostina, E. F. Makarevich, O. I. Karpukhin, 2009. - 1 electronic disk</li> <li>· Soloviev B.A. Marketing [Electronic resource]: a textbook / B.A. Soloviev, A.A. Meshkov, B.V. Musatov. - Electronic text - M.: INFRA-M, 2013. - 336 p.</li> </ul>
--	---

**Usability of the module**

<p><b>Interrelation to other modules within the course</b></p> <p><b>Use in different study courses</b></p>	<p>The discipline correlates with the contents of the following modules “Agrotourism”, “Human capital of rural territories”, “The theory and mechanism of state governance and municipal administration”. The module programme also has interdisciplinary connections with other professional subjects, e.g. Social policy and rural community development.</p>
---	---

**Module references to sustainable development**



## Content

The course is aimed to provide the main features of ecological and regional products marketing to a full extent. The trends and examples of territorial division instruments for the successful marketing and promotion of eco-products are given in the course structure. Some samples of a regional market development and distribution schemes are discussed.

The main task of the discipline «Marketing of ecological and regional products» is to form the idea of the existing trademarks, the purpose and use of eco-labeling, as well as to teach the students the ways of marketing promotion of ecological and regional products. The module also concerns the concepts of a trademark and eco-labeling of agricultural and food products at the Russian market, branding of rural territories, algorithm of marketing plan development, development of eco-marketing tools etc.

## Exam performances (preconditions for allocation of credit points)

<b>Type and duration (min)</b> Pass/Non-Pass (60 min)	<b>Share %</b> 10%
--	-----------------------

## Organisation

<b>Responsible for the module</b> Alla Zinich, Candidate of Economic Sciences, A.P.		
<b>Type of the module</b> Variable	<b>Regular cycle</b> Once in the completion of the course of studies	<b>Duration</b> 1 Semester
<b>Admission requirements</b> none	<b>ECTS-points</b> 3	<b>Presence on semester week hours</b> 8
<b>Workload</b> 3 ECTS / 3 x 36 = 108 academic hours <b>(with the following allocation)</b>		
<b>Presence/Contacts</b> 42 academic hours. / 40%	<b>Preparation/ follow up/ self-study</b> 66 academic hours / 61%	<b>Tasks/Group work/</b> 42 academic hours / 40%
<b>Other</b>		
<b>Test tasks</b>		
<ul style="list-style-type: none"> <li>. Trademark classification and their use</li> <li>. Peculiar characteristics of Russian eco-labeling</li> <li>. Trademark registration and its legal protection</li> <li>. The concept of a local ecological brand</li> <li>. Rural local brand promotion</li> <li>. Brand mimicry</li> <li>. Legal regulation and the use of eco- regional brands</li> <li>. Main stages of eco-marketing development</li> <li>. Marketing of ecological and regional products of rural territories</li> </ul>		
0. Benchmarking system as the main principle of market positioning		
1. The structure and contents of a marketing plan		
2. The mechanism of rural product marketing plan development		
3. Analysis methods of a marketing plan development		
4. Eco-sponsoring		
5. Eco-leasing		
6. Internet as a virtual sales market		
7. Products exhibition		
8. Franchising		
9. Telemarketing		
0. Merchandising		
1. The role of PR in eco-product promotion		
2. Personal selling		



# Natural and cultural resources as rural heritage

## Module description

<b>Code</b> P1. V. CD.4.	<b>Title of the module</b> “Natural and cultural resources as rural heritage”
-----------------------------	--

## Contribution of the module to the study objectives

<b>Qualification objectives</b> - to provide basic theoretical knowledge and practical professional skills in the sphere of natural and cultural resources management as rural heritage				
Dublin Descriptors	Module Title	Competences	Title of the discipline	Learning Outcomes
A. Knowledge and understanding ; B. Applying knowledge and understanding ; C. Expressing judgments and drawing conclusions; D. Communication skills; E. Ability to study.	Module 3	CC-3, CPC-2, PC-12, PC-13	Natural and cultural resources as rural heritage	A. Understands the concepts of environmental and cultural potential, touristic resources; B. Applies the knowledge of the structural and geographical peculiarities of the Tambov region in the system tourism, landscape-planning organization of recreation areas of rural areas, the content and types of rural tourism, the scale of its development and the forms of organization in different countries; C. Uses the methods of statistical and economic analysis of specific tourist markets; D. Creates touristic data bases, organizes landscape recreation zones in rural areas; E. Knows the legal framework of small businesses development.
		Knowledge	Skills	Competences
Professional / Special		x	x	x
System		x		
Self			x	x
Social			x	x
<b>Content</b>				
<b>Unit 1 Natural and cultural resources as rural heritage in Russia and abroad</b>				
The essence of the concept «natural and cultural potential», «touristic resources», their classification. Natural and cultural objects of touristic and recreational branch in Russia and abroad. Characteristics of the RF recreational special economic zones and the role of a particular region in the touristic branch. Natural and cultural resources of municipal areas and population employment in rural territories (by example of a particular region). Creating a database of touristic resources in Tambov region. Landscape (spatial) planning of rural recreational areas. Advertisement and information dissemination of the natural and cultural potential of rural territories. Running a rural touristic enterprise.				
<b>Unit 2 The concepts of rural tourism</b>				



Local tourism (by the example of a particular settlement of a particular region). Regional place-name study as the concept for incoming tourism development. . Michurinsk as one of the touristic centers in Tambov region. Traditional ceremonial tourism (by the sample of a regional wedding). Developing the programs of the particular touristic routes of a region. Local Genius» as a dominant idea for representing the cultural potential of a rural territory.

### Unit 3 State support and legal provision of small business development in rural territories

Main tendencies of state policy in the sphere of sustainable development of rural territories. Legal regulation of activities aimed at the organization of agrarian touristic business in a particular rural territory representing its natural-cultural potential.

#### Teaching/learning methods

lecture, seminar (- with exercise), project

## Preconditions for participation

<b>Knowledge, skills, competences</b>	None
<b>Preparation for the module</b>	<p><b>Software and internet Resources:</b></p> <p>1. Database «Единое окно доступа к образовательным ресурсам» <a href="http://window.edu.ru">http://window.edu.ru</a></p> <p>2.E-library system «Lan» <a href="http://e.lanbook.com">http://e.lanbook.com</a></p> <p>3.National Digital resource «RuCont» <a href="http://www.rucont">http://www.rucont</a></p> <p><b>Literature:</b></p> <p>State and municipal administration in the area of tourism: study manual / edited by E.L. Pisarevskiy. – M.: Federal tourist agency, 2014. – 192 p.</p> <p>Legal provision in tourism: study manual / edited by E.L. Pisarevskiy. – M.: Federal tourist agency 2014. – 336 p.</p>

## Usability of the module

<b>Interrelation to other modules within the course</b>	The course is connected with “Agrarian tourism”, “Human capital of rural Areas”, “Theory and mechanisms of state governance and municipal administration”, “Marketing of ecological and regional products” etc. Interdisciplinary connections with some other subjects such as “Social policy and rural development ”are also implied.
<b>Use in different study courses</b>	credibility

## Module references to sustainable development

**The course objective** is to provide basic theoretical knowledge and practical professional skills in the sphere of natural and cultural resources management as rural heritage.

#### The tasks of the course are:

- to form the idea of natural and cultural rural heritage;
- to help students understand the concept of “natural – cultural heritage / potential” and “touristic resources”;
- to provide the information concerning geographical characteristics of Tambo Region as a part of touristic branch, landscape planning of recreational areas, types of rural tourism, its development and organization forms in different countries;
- to teach how to create touristic database in a particular region and to organize recreational zones in rural territories.

## Exam performances (preconditions for allocation of credit points)

<b>Type and duration (min)</b>	<b>Share %</b>
Colloquium 60 min	20%

## Organisation

<b>Responsible for the module</b>
-----------------------------------



Maria Rabkanova, Candidate of Economic Sciences, A.P.

<b>Type of the module</b> Elective	<b>Regular cycle</b> Every 1-st semester	<b>Duration</b> 1 Semester
<b>Admission requirements</b> none	<b>ECTS-points</b> 3	<b>Presence on semester week hours</b> 6
<b>Workload</b> 3 ECTS points X 36 = 108 academic hours = 6 academic hours a week, <b>with the following allocation</b>		
<b>Presence/Contacts</b> 42 hours. / 39%	<b>Preparation / follow up/ self-study/</b> e.g. 66 hours. / 61%	<b>Tasks/Group work/</b> e.g. 28 hours. / 26%
<p><b>Other</b></p> <p style="text-align: center;"><b>Colloquium (topics for discussion)</b></p> <ul style="list-style-type: none"> <li>. The essence of the concept «natural and cultural potential», «touristic resources», their classification.</li> <li>. Natural and cultural objects of touristic and recreational branch in Russia and abroad.</li> <li>. Characteristics of the RF recreational special economic zones and the role of a particular region in the touristic branch.</li> <li>. Natural and cultural resources of municipal areas and population employment in rural territories (by example of a particular region).</li> <li>. Creating a database of touristic resources in Tambov region.</li> <li>. Landscape (spatial) planning of rural recreational areas.</li> <li>. Advertisement and information dissemination of the natural and cultural potential of rural territories.</li> <li>. Running a rural touristic enterprise.</li> <li>. Local tourism (by the example of a particular settlement of a particular region).</li> <li>0. Regional place-name study as the concept for incoming tourism development. .</li> <li>1. Michurinsk as one of the touristic centers in Tambov region.</li> <li>2. Traditional ceremonial tourism (by the sample of a regional wedding).</li> <li>3. Developing the programs of the particular touristic routes of a region.</li> <li>4. Local Genius» as a dominant idea for representing the cultural potential of a rural territory.</li> <li>5. Main tendencies of state policy in the sphere of sustainable development of rural territories.</li> <li>6. Legal regulation of activities aimed at the organization of agrarian touristic business in a particular rural territory representing its natural-cultural potential.</li> </ul>		



# Organic Agriculture

## Module description

<b>Code/</b> P1.CD.4	<b>Title of the module</b> “Organic Agriculture”
-------------------------	---

## Contribution of the module to the study objectives

<b>Qualification objectives</b>				
To increase the competencies of students in organic agriculture and the possibility of implementing its principles and methods in professional activities				
Dublin Descriptors	Title of the module	Competences	Discipline	Learning outcomes
A. Knowledge and understanding; B. Applying knowledge and understanding; C. Expressing judgments and drawing conclusions; D. Communication skills; E. Ability to study.	Module 2	CC-3,  CC-4,  CPC-5,  PC-6,  PC-10	Organic agriculture	A. defines principles of organic agriculture; determines the stages of certification, labelling and marketing organic products B. applies the standards of organic agriculture in the management of organic production, calculates indicators of economic efficiency of organic production; Identifies the differences between the traditional way of farming and organic farming; C. develops the stages of obtaining organic crop and livestock products; D. makes plans for the conversion traditional system to organic agriculture; E. evaluates the ways of practicing organic agriculture in terms of ecology and economics; forecasts the level of development of organic agriculture
	Knowledge		Skills	Competences
Professional	X		X	X
System	X			
Self	X		X	X
Social	X		X	X
<b>Content</b>				
1. Organic farming as one of the farming methods. 2. Fundamentals of organic farming. 3. Fundamentals of organic livestock breeding 4. Certification, labelling and marketing of organic agricultural products. Professional, methodological, practical and interdisciplinary contents should be developed and acquired				
<b>Teaching/learning methods</b>				
Lectures-presentations, seminars-presentations, case analysis, tests				

## Preconditions for participation

<b>Knowledge, skills, competences</b>	N.a.
---------------------------------------	------



<b>Preparation for the module</b>	<p>I. Main and additional literature:</p> <ol style="list-style-type: none"> <li>Nasatuev B.D. Organic animal husbandry [Electronic resource]: an educational guide – Electronic text - St. Petersburg: Lan, 2016. - 192 p.</li> <li>Koshelev V.M. Organic agriculture: economic aspects of transformation: a monograph / V.M. Koshelev, A.V. Peshkova; Moscow: RSAU MAA named after K.A. Timiryazev Publishing house, 2013. - 140 p.</li> <li>The federal target program "Sustainable development of rural areas for 2014-2017 and for the period till 2020", approved by the order of the Government of the Russian Federation dated July 15, 2013, No.598.</li> </ol> <p>II. Internet resources:</p> <p>II.1. E-libraries, referral information systems:</p> <ol style="list-style-type: none"> <li>Electronic library system ZNANIUM.COM</li> <li>Electronic periodical guide «GARANT system»</li> <li>E-library system <a href="http://elib.bgsha.ru/">http://elib.bgsha.ru/</a></li> <li>E-library system «National electronic library» <a href="http://xn--90ax2c.xn--p1ai/">http://xn--90ax2c.xn--p1ai/</a></li> <li>E-library system « University online library» <a href="https://biblioclub.ru/index.php?page=main_ub_red">https://biblioclub.ru/index.php?page=main_ub_red</a></li> </ol> <p>II.2. Open access electronic resources: <a href="http://Tempus – rudeco.ru">Tempus – rudeco.ru</a></p>
-----------------------------------	---

### Usability of the module

<b>Interrelation to other modules within the course</b>	The course requires knowledge, skills acquired as a result of the development of the following courses: Microeconomics, Macroeconomics, Economics of agriculture. The course necessary for the study of subsequent modules: Marketing of Ecological and Regional Products, Gastronomy.
<b>Use in different study courses</b>	Creditability

### Module references to sustainable development

<b>Content</b>	Organic agriculture is considered as one of the forms of agriculture. Organic agriculture as an element of sustainable rural development. Normative and legal framework of organic agriculture.
----------------	---

### Exam performances (preconditions for allocation of credit points)

Type and duration (min)	Share %
Credit test (60 min.) – answering questions case study solutions	60%: 40%

### Organisation

<b>Responsible for the module</b> Tatiana Gorbacheva, Candidate of Sc. Agr., A.P.		
<b>Type of the module</b> Compulsory	<b>Regular cycle</b> Annually	<b>Duration</b> 1 Semester
<b>Admission requirements</b> None	<b>ECTS-points</b> 3	<b>Presence on semester week hours</b> 3
<b>Workload</b> 3 ECTS-Points x 36 hours = 108 hours, <b>with the following allocation</b>		
<b>Presence/Contacts</b> 48 hours. 44.4%	<b>Preparation/ follow up /self-study</b> 60 hours. 55.6%	<b>Tasks/Group work/</b> 32 hours. 30%





Other  
Guest experts

## Project Management

### Module description

<b>Code</b> P1.V.CD.3	<b>Title of the module</b> "Project Management"
--------------------------	--

### Contribution of the module to the study objectives

**Qualification objectives** – to provide the project management technologies and their application in the future professional career

Dublin descriptors	Module	Competences	Discipline	Learning outcomes
A. Knowledge and understanding; B. Applying knowledge and understanding; C. Expressing judgments and drawing conclusions; D. Communication skills; E. Ability to study.	Module 1	CC-5, CPC-6, PC-11	Project management	A. Knows the main concepts of project management, communication management, staff management, risks management, costs management and quality management; B. Applies logical and structural approaches in project management;  C. Analyses the activity of stakeholders, problems, constraints and opportunities;  D. Able to use latest informational technologies, manage information using applied programmes. Able to work with networking systems, data bases and professional applications; E. Evaluates the project efficiency.

	Knowledge	Skills	Competences
Professional	x	x	x
System	x		x
Self		x	x
Social	x	x	x

#### Content

#### Unit 1 Introduction to project management

#### Topic 1 Basics of project management

Project lifecycle. Main project phases: pre-investment, investment, operation stage. Project participants and the environment. Project participants: governmental bodies, consultancies, engineering firms, law bureaus, public bodies, land owners. Project clients, investors, sponsors of a project. Management subject and object in project management



concept. Project management processes: initiating planning, execution, control and closing up stages. Project management standards.

### **Topic 2. Project management: history and modern state of affairs**

The role of the discipline in the master course cycle. Prerequisites for project management. Evolution of project management methods: networking planning, organizing project work, calendar planning, logistics, computer programming tools, standard planning, structural planning, resource planning, project termination, planning complex projects, stage work, project documentation development, project modeling, team building methods, psychological management, project management philosophy, systems project overview.

Stages of project development in Russia. The concept of a project and project management. Project distinctive characteristics. Project – programme differences. Basic concepts of project management. Functions of traditional and project management. Project environment. The factors of immediate and remote environment.

### **Topic 3 . Types of project management**

Classification of projects: by project level, project scale, project complexity, terms of implementation, quality requirements and quality control, restricted resources requirements, project character and its participants, the type of a project goals, project investment activities, main project reasoning. Small projects. Megaprojects: international, state, national, regional, inter-branch, branch, mixed. Complex projects, short-term projects. International projects.

### **Topic 4. Organizational structure of project management**

Organisation structure of project management and communication system of the project participant. Types of organizational project management structures. Advantages and disadvantages of functional organization structure. Logframe project management structure. Project management structure. Decision making criteria. Main characteristics of organizational project management structures. Functions of project participants.

## **Unit 2. Development of a project on sustainable development of rural territories**

### **Topic 1. Logical and structural approach to project management**

Project planning and implementation. The role of a logframe approach in project management. Logframe of a project. Goals and objectives, results, actions. Strong and weak points, risks and assumptions. Analytical stage of project management. Problem analysis. Analysis of goals and objectives. Problem- goal transformation. Planning stage. Building the logics of participants. Logframe building. Manageability and a log-frame. Defining risks and assumptions. Setting the indicators. Project timetable development. Project working packages. Terms. Progress indicators. Professional experience. Tasks distribution. Forming the scheme of the actions.

### **Topic 2. Analytical stage in project management**

Analysis of stakeholders – identifying the groups, participants and establishments, whose interests can be in the scope of the project goals, identifying key problems, restrictions and opportunities. Problem analysis – forming a problem, defining cause-effect relations and building a problem tree. Goal analysis – setting goals through problem analysis, defining the means to achieve the goals and the outcomes, grouping the goals and building a strategy.

### **Topic 3. Planning stage in project management**

Participation logics and defining the main project parts, testing the inner logics, forming the goals and setting the indicators. Risks and assumptions. Setting measurable indicators. Development of the working packages and the schedule of the activities. Budgeting.

### **4. Planning the resources**

Planning the resources. Purchases and supplies. The structure of tasks in resource planning. Tender stages: preparation, introducing the offers, estimating the offers and defining the contractor, contract signing. Advantages and disadvantages of the main contract types for a customer and a contractor. Types of cost reimbursement contracts. Types of contracts: conventional, engineering construction contracts, turnkey contracts etc.

## **Unit 3. Subsystems of project management on sustainable development of rural territories**

### **Topic 1. Project time management**

The structure of project main processes. Defining the operations and their interrelations. Building networks. Precedence diagram method. Arrow diagram elements: occasion, work, response, expectation.

### **Topic 2. Cost analysis and value-based management**

Project value estimation. Project budgeting. Types of calculation sheets. Stages of the overall budget planning. Direct costs. Overheads. Price management structure during the project lifecycle. Correlation between cost management, price amendments and project lifecycle. Budgeting types: calendar plans of costs, cost distribution matrix, column diagrams of costs, column diagrams of cumulative sums, linear diagrams of time spaced cumulative sums, circle diagram of costs structure. Cost reporting. Project PERT/COST optimization. PERT/COST optimization algorithm.

**Topic 3.**

Building a project team. Project team management. Main functions of a project team manager: team relationships, work organization, team building, team leading, decision making. Stages of a project team building. System elements of project team management. Factors defining team building. Conflict prevention methods in a project team.

**Topic 4. Project evaluation and project expertise**

Types of project efficiency. Main principles of an investment project evaluation. Efficiency evaluation scheme. Project efficiency criteria: payback period (PBP), accounting rate of return (ARR), net present value (NPV), internal rate of return (IRR), modified IRR (MIRR), profitability index (PI).

Measuring project efficiency indicators.

**Teaching learning methods**

Lecture, discussion, group work, business game, project activity

**Preconditions for participation**

**Knowledge, skills, competences**  
**Use in different study courses**

The module creates the basis for further theoretical and practical training, forms the abilities to solve professional problems and to make managerial decisions.

**Internet resources:**

- <http://www.e-xecutive.ru/wiki/>
- <http://newinspire.ru/lektsii-po-mikroekonomike/etapi-sozdaniya-predpriyatiya-40>
- <http://www.asf.ru/upload/doc/rab-progr/080100/b1.dv1.1.osnovy-biznesa.pdf>
- <http://www.asf.ru/upload/doc/rab-progr/080100/b1.dv1.1.osnovy-biznesa.pdf>
- <http://elibrary.ru/defaultx.asp>

**Literature:**

1. Gontareva I.V., Project management: Study course I.V. Gontareva, R.M. Nizhegorodtsev, D.A. Novikov - M.: Librokom, 2013. - 384 p.
2. Kovalenko S.P. Project management: practical course S.P. Kovalenko - Mn.: Tetralit, 2013. - 192 p.
3. Polkovnikov A.V. Project management. Full course MBA A.V. Polkovnikov, M.F. Dubovik. - M.: Olymp-business, 2015. - 552 p.
4. Popov Y. I. Project management: study course Y.I. Popov, O.V. Yakovenko. - M.: NITS INFRA-M, 2013. - 208 p.
5. Romanova M.V. Project management: study course M.V. Romanova. - M.: ID FORUM, NITS INFRA-M, 2013. - 256 p.
6. Shapiro V.D. Project management: study course I.I. Mazur, V.D. Shapori, N.G. Oldergo; I.I. Mazur as an editor. - M.: Omega-L, 2014. - 960 p.
7. Volkov I.M. Project analysis: advanced course: study book I.M. Volokov, M.V. Gracheva. – M.: INFRA-M, 2014. – 495 p.
8. Clifford F. Grey Project management. Practical course Clifford F. Grey, Eric W. Larson. – Delo and Service, 2012.
9. Kochetkov A.I. Project management. International Experience A.I. Kochetkova, S.N. Nickeshin etc.- SPb.: «Dva- TRi», 2013.- 443 p.
10. Romanova, M. V. Project management: study course. – M. : FORUM: INFRA-M , 2010. - 253 p.
11. Tikhomirova O.G. Project management: practicum: study course /O.G. Tikhomirova.- M.: INFRA –M, 2016.
12. Project management. Edited by G.K. Pinto. Piter Publishing House, 2014.

**Usability of the module**

**Interrelation to other modules within the course**

The following courses serve as a basis for the present module:  
«The concept of sustainable development», «Rural economics», «Institutional economics», «Organic agriculture», «Regional economics and management». Project management course will help the students to master such modules as: «Social policy and rural community development», «Biological resources management and conservation», «Landscape planning», «Bioeconomics».



<b>Use in different study courses</b>	Creditability
---------------------------------------	---------------

## Module references to sustainable development

### Content

The course teaches project management, how to make proper managerial decisions at any stage of a project lifecycle, to build a good project team and a correct project structure as well as to make project expertise in the context of rural development.

The module introduces main issues of project management and provides its main tools, describes the main stages of a project lifecycle, starting with a project initialization, planning the work, organizing project activities and the project close-out. Thus, the students learn theoretical knowledge concerning the main rules and their applications in the area of project management as well as the scientific approaches how to improve project efficiency in practice.

## Exam performances (preconditions for allocation of credit points)

Type and duration (min)	Share %
Study cases (60 min)	20 %

## Organisation

### Responsible for the module

Dmitry Nardin, Candidate of Economic Sciences, A.P.

<b>Type of the module</b> Compulsory	<b>Regular cycle</b> Once in the completion of the course of studies	<b>Duration</b> 1 semester
<b>Admission requirements</b> none	<b>ECTS-points</b> 4	<b>Presence on semester week hours</b> 6 academic hours
<b>Workload</b> 4 ECTS points x 36 academic hours = 144 academic hours <b>with the following allocation</b>		
<b>Presence/Contacts</b> 56 academic hours 38,9%	<b>Preparation follow up self-study</b> 88 часов 61,1%	<b>Tasks/Group work</b> 46 часов 31,9%

### Other

#### Sample topics for project semester work on the module "Project management":

- Project management development in the history and practice of management in the world
- Project management development in the history and practice of management in Russia
- Project management methods
- Project concept formation
- Project quality assurance aspects
- Goals, objectives and types of plans in project management
- 0. Functions and subsystems in project management
- 1. Organisation structures in project management
- 2. Quality control and regulation in project management
- 3. Project management technologies
- 4. Social and psychological portrait of an efficient project manager
- 5. Social and psychological aspects of efficient project management
- 6. Project group organization
- 7. Team building in project management
- 8. Communication management in a project
- 9. Laws and regulations in project management
- 0. The role and functions of project management in a modern society
- 1. Projects classification
- 2. Type of different projects
- 3. Prerequisites of project managements Участники проектов
- 4. Project management in Russia



5. Professional project management organizations
6. Project management – the model to achieve the goal
7. Project management as a tool of economic policy implementation
8. Project lifecycle and the environment
9. An innovative project and its characteristic features
0. Lifecycle implementation characteristics in an innovative project
1. Project environment (external and internal)

## Rural Economy

### Module description

<b>Code</b> P1.CD.3	<b>Title of the module</b> “Rural Economy”
------------------------	---

### Contribution of the module to the study objectives

<b>Qualification objectives</b>				
To obtain a holistic view of the rural economy as a system of branches and types of economic activity developing in rural areas; the concretization and deepening of the foundations of economic theory and applied disciplines in relation to the rural economy; the study of the functioning of market laws, taking into account the specific features of the rural economy, the trends and prospects for rural development territories				
Dublin Descriptors	Title of the module	Competences	Discipline	Learning outcomes
A. Knowledge and understanding; B. Applying knowledge and understanding; C. Expressing judgments and drawing conclusions; D. Communication skills; E. Ability to study.	Module 5	CC-1, CC-2, CPC-2, CPC-3, PC-6	Rural economy	A. knows and understands various approaches, scientific directions, methodology of rural economy research, social and economic situation in the region, rural municipalities, rural economy enterprises; B. analyses and systematizes scientific and practical knowledge in the field of rural economy; develops options for management decisions, justifies their choice based on criteria of socio-economic efficiency; C. critically assesses and identifies new approaches for improving the development of the rural economy; analyses the economic situation on the basis of calculations of the efficiency of enterprises and develops options for solutions; D. owns the basics of business communication, the method of choosing management decisions; E. owns the skills of independent solution of the task in study and work.
	<b>Knowledge</b>	<b>Skills</b>	<b>Competences</b>	
Professional	X	X	X	
System	X	X	X	
Self	X	X	X	
Social	X	X	X	
<b>Content</b>				



<ul style="list-style-type: none"> <li>. Rural economy as a system of industries and socio-economic relations</li> <li>. Forms and types of entrepreneurial activities in rural areas</li> <li>. Economy of industries and economic efficiency of agricultural production</li> <li>. The resource potential of a sustainable rural economy</li> <li>. A role of the state in the development of rural communities and the rural economy. State support measures for agribusiness and rural areas in the Russian Federation and its regions</li> <li>. The system of management and planning, principles of rural economy functioning</li> <li>. Professional, methodological, practical and interdisciplinary contents should be acquired</li> </ul>
<p><b>Teaching/learning methods</b></p> <p>Lectures-presentations, seminars-presentations, discussions, case studies, brain-storming, round table, excursion</p>

### Preconditions for participation

<b>Knowledge, skills, competences</b>	N.a.
<b>Preparation for the module</b>	<p>I. Bibliography</p> <p>a) main literature:</p> <ol style="list-style-type: none"> <li>1. Rural economy: a textbook ed. by prof. S. V. Kiselev (Textbooks of the Faculty of Economics of the MSU named after M.V. Lomonosov) S. V. Kiselev, E. V. Belova, A. M. Emelyanov, etc. - INFRA-M Moscow, 2008. - P. 572 .</li> <li>2. Economics of agriculture: a textbook, Petraneva G.A., Kovalenko N.Ya., Romanov A.N. and etc.; Ed. by Petraneva G.A. – M.: Alfa-M, INFRA-M, 2016. - 288 p.</li> <li>3. Economics of agriculture: a textbook (Higher Education: Master) I.A. Minakov. - 3rd ed., revised and augmented. – M.: INFRA-M, 2014. - 352 p.</li> </ol> <p>б) additional literature:</p> <ol style="list-style-type: none"> <li>1. The federal target program "Sustainable development of rural areas for 2014-2017 and for the period til 2020", approved by the order of the Government of the Russian Federation dated July 15, 2013, No.598.</li> <li>2. Economics of agriculture: a textbook. Ed. by O.N. Popov - M.: Magistr: INFRA-M, 2013. - 400 p.</li> </ol> <p>II. Internet resources:</p> <p>II.1. E-libraries, referral information systems:</p> <ol style="list-style-type: none"> <li>1. Electronic library system ZNANIUM.COM</li> <li>2. Electronic periodical guide «GARANT system»</li> <li>3. E-library system <a href="http://elib.bgsha.ru/">http://elib.bgsha.ru/</a></li> <li>4. E-library system «National electronic library» <a href="http://xn--90ax2c.xn--p1ai/">http://xn--90ax2c.xn--p1ai/</a></li> <li>5. E-library system « University online library» <a href="https://biblioclub.ru/index.php?page=main_ub_red">https://biblioclub.ru/index.php?page=main_ub_red</a></li> </ol> <p>II.2. Open access electronic resources:</p> <ul style="list-style-type: none"> <li>. <a href="http://www.agritourism.ru/about">http://www.agritourism.ru/about</a></li> <li>. <a href="http://Tempus-rudeco.ru">Tempus – rudeco.ru</a></li> <li>. <a href="http://www.greenpeace.org">www.greenpeace.org</a> - Official website «Greenpeace»</li> <li>. <a href="http://agro.Business.ru">http://agro.Business.ru</a></li> <li>. <a href="http://www.rbta.ru">http://www.rbta.ru</a></li> <li>. <a href="http://www.selotour.ru/">http://www.selotour.ru/</a></li> <li>. <a href="http://tourlib.net">http://tourlib.net</a></li> <li>. <a href="http://www.eceat-projects.org/">http://www.eceat-projects.org/</a></li> <li>. <a href="http://ruraltourism.com.ua/">http://ruraltourism.com.ua/</a></li> </ul>

### Usability of the module

<b>Interrelation to other modules within the course</b>	The discipline "Rural economy" is connected with other modules of the programme: Economics of Nature Management, Socio-economic analysis,
---	---



	Regional Economy and Management, Social Policy and Rural Development, Human Capital of Rural Areas, Agribusiness and Entrepreneurship
<b>Use in different study courses</b>	Creditability

### Module references to sustainable development

<p><b>Content</b> Theories and models of sustainable agriculture and rural development. The experience of sustainable development of the rural economy in the countries of the European Union and Germany. European initiative LEADER. Resource potential of a sustainable rural economy (ecological, social, economic). Programme-targeted approach to sustainable rural development. Fundamentals of planning and forecasting sustainable development of rural economy</p>
--

### Exam performances (preconditions for allocation of credit points)

<b>Type and duration (min)</b>	<b>Share %</b>
Examination (60 мин.) – answering questions test assignments	60%: 40%

### Organisation

<b>Responsible for the module</b> Oksana Kondrateva, Candidate of Economic Sciences, A.P.		
<b>Type of the module</b> Elective	<b>Regular cycle</b> Once in the completion of the course of studies	<b>Duration</b> 1 Semester
<b>Admission requirements</b> Timely submission of the individual assignments	<b>ECTS-points</b> 4	<b>Presence on semester week hours</b> 3
<b>Workload</b> 4 ECTS-Points x 36 hours = 144 hours, <b>with the following allocation</b>		
<b>Presence/Contacts</b> 48 hours. 33,3%	<b>Preparation/follow up/self-study</b> 96 hours. 66.6%	<b>Tasks/Group work/</b> 32 hours. 22.2%
<b>Other</b> Invitation of top-managers of the Ministry of Agriculture and Food of the Republic of Buryatia, administrations of rural districts and settlements, agricultural enterprises for participation in the educational process (participation in scientific seminars, round tables, etc.).		



# Social Policy and Rural Development

## Module description

<b>Code</b> P1.V.CD.6	<b>Title of the module</b> "Social Policy and Rural Development"
--------------------------	---

## Contribution of the module to the study objectives

<b>Qualification objectives</b> overall objectives of the module above all module elements: Formation of general cultural and professional competences in the field of social policy and social rural development as well as skills of their application in the practice of managing the social sphere in rural areas.				
<b>Dublin Descriptors</b>	<b>Title of the module</b>	<b>Competences</b>	<b>Discipline</b>	<b>Learning outcomes</b>
A. Knowledge and understanding; B. Applying knowledge and understanding; C. Expressing judgments and drawing conclusions; D. Communication skills; E. Ability to study.	Module 3	CC-2	Social policy and rural development	A. knows and presents the structure and mechanism of the social sphere in rural areas; defines the functions, forms and principles of social protection of the population; B. interprets the content of socially-oriented activities of the state, mechanisms for its implementation; applies the bases of legal knowledge in the field of social protection of the population, social development of the village; C. analyzes the legal framework in the social sphere; D. develops social and economic projects, social programs for the development of rural areas; E. assesses the economic, social, political conditions and consequences of the implementation of state (municipal) programs; independently and in the group evaluates the received data;
	<b>Knowledge</b>	<b>Skills</b>	<b>Competences</b>	
Professional	X	X	X	
System	X	X	X	
Self	X	X	X	
<b>Social</b>	<b>X</b>	<b>X</b>	<b>X</b>	
<b>Content</b> <ul style="list-style-type: none"> <li>Theoretical Foundations of Social Policy;</li> <li>Social protection of the population and forms of its realization in the Russian Federation;</li> <li>The state policy for the development of social sectors in the rural areas in the Russian Federation;</li> <li>The state policy of the Russian Federation for the preservation and development of human capital in the rural areas</li> </ul> Professional, methodological, practical and interdisciplinary contents should be acquired				
<b>Teaching/learning methods</b> Lectures-presentations, seminars-presentations, discussions, case studies, brain-storming, round table, excursion				





## Preconditions for participation

<b>Knowledge, skills, competences</b>	N.a.
<b>Preparation for the module</b>	<p>I. Bibliography</p> <p>a) main literature:</p> <ol style="list-style-type: none"> <li>1. Economic policy of the state: social justice in economic relations: an educational guide/ Petrosyan D.S., Bezpалov V.V., Lochan S.A. - M.:INFRA-M, 2016 - 214 p. –Access mode: <a href="http://znanium.com/catalog.php?bookinfo=526401">http://znanium.com/catalog.php?bookinfo=526401</a>.</li> <li>2. Human rights and the legal social state in Russia: a monograph, N.A. Voronina, A.S. Zapesotsky, V.A. Kartashkin; Ed. by E.A. Lukasheva. – M.: Norma: INFRA-M, 2013. - 400 p. - Access mode: <a href="http://znanium.com/catalog.php?bookinfo=410278">http://znanium.com/catalog.php?bookinfo=410278</a>.</li> <li>3. Musina-Maznova G. Kh. Innovative methods of social work practice [Electronic resource]: an educational guide for masters. G. Kh. Musina-Maznova, I.A. Potapova, O.M. Korobkova, etc. – M.: Dashkov and Co, 2014. - 320 p. - Access mode: <a href="http://znanium.com/catalog.php?bookinfo=450843">http://znanium.com/catalog.php?bookinfo=450843</a></li> </ol> <p>б) additional literature:</p> <ol style="list-style-type: none"> <li>1. Institutional changes in the social sphere of the Russian economy: a monograph, ed. By Tambovtsev V.L. - M.: MSU named after M.V. Lomonosov, 2015. - 256 p. - Access mode: <a href="http://znanium.com/catalog.php?bookinfo=672949">http://znanium.com/catalog.php?bookinfo=672949</a>.</li> <li>2. Human rights and the legal social state in Russia: a monograph, N.A. Voronina, A.S. Zapesotsky, V.A. Kartashkin; Ed. by E.A. Lukasheva. – M.: Norma: INFRA-M, 2013. - 400 p. - Access mode: <a href="http://znanium.com/catalog.php?bookinfo=410278">http://znanium.com/catalog.php?bookinfo=410278</a>.</li> <li>3. Social cohesion as historical and practical problem of Russia in modern conditions: a monograph / Ed. by P.D. Pavlenok, 2nd ed., revised and augmented. - M.: INFRA-M, 2015. - 233 p. - Access mode: <a href="http://znanium.com/catalog.php?bookinfo=465482">http://znanium.com/catalog.php?bookinfo=465482</a>.</li> </ol> <p>II. Internet resources:</p> <p>II.1. E-libraries, referral information systems:</p> <ol style="list-style-type: none"> <li>1. Electronic library system ZNANIUM.COM</li> <li>2. Electronic periodical guide «GARANT system»</li> <li>3. E-library system <a href="http://elib.bgsha.ru/">http://elib.bgsha.ru/</a></li> <li>4. E-library system «National electronic library» <a href="http://xn--90ax2c.xn--p1ai/">http://xn--90ax2c.xn--p1ai/</a></li> <li>5. E-library system « University online library» <a href="https://biblioclub.ru/index.php?page=main_ub_red">https://biblioclub.ru/index.php?page=main_ub_red</a></li> </ol> <p>II.2. Open access electronic resources:</p> <ul style="list-style-type: none"> <li>• <a href="http://www.rudeco.ru">Tempus – rudeco.ru</a></li> <li>• <a href="http://www.rbta.ru">http://www.rbta.ru</a></li> <li>• <a href="http://www.selotour.ru/">http://www.selotour.ru/</a></li> <li>• <a href="http://www.eceat-projects.org/">http://www.eceat-projects.org/</a></li> <li>• <a href="http://ruraltourism.com.ua/">http://ruraltourism.com.ua/</a></li> </ul>

## Usability of the module

<b>Interrelation to other modules within the course</b>	The course "Social Policy and Rural Development" is linked to the other modules of the programme: "Regional Economy and Management", "Human Capital in Rural Areas", "Concept of Sustainable Development".
<b>Use in different study courses</b>	Creditability

## Module references to sustainable development

**Content**

Theories and models of sustainable agriculture and rural development. The experience of sustainable development of the social sphere in rural areas in the EU countries and in Germany, particularly. Programmes for the development of the social sphere in rural areas at the federal, regional and municipal levels.

**Exam performances (preconditions for allocation of credit points)**

Type and duration (min)	Share %
Credit test (60 мин.) – answers to the questions test assignments	60%: 40%

**Organisation**

<b>Responsible for the module</b> Anna Remizova, Candidate of Economic Sciences, A.P.		
<b>Type of the module</b> Compulsory	<b>Regular cycle</b> Once in the completion of the course of studies	<b>Duration</b> 2 Semester
<b>Admission requirements</b> Timely submission of the individual assignments	<b>ECTS-points</b> 3	<b>Presence on semester week hours</b> 3
<b>Workload</b> 3 ECTS-Points x 36 hours = 108 hours, with the following allocation		
<b>Presence/Contacts</b> 42 hours. 38.8%	<b>Preparation/follow up/self-study</b> 66 hours. 61.1%	<b>Tasks/Group work/</b> 28 hours. 25.9%
<b>Other</b> Invitation of top-managers of the Ministry of Agriculture and Food of the Republic of Buryatia, administrations of rural districts and settlements, agricultural enterprises for participation in the educational process (participation in scientific seminars, round tables, etc.)		