



Course presentation A Special Course in a Foreign Language* (new, optional)

* based on the MOOC "Sustainable Development of Mountain Territories in the Context of the Concept of Ecosystem Services"

*The European Commission's support for the production of this publication does not constitute an endorsement of the contents, which reflect the views only of the authors, and the Commission cannot be held responsible for any use which may be made of the information contained therein







The electronic resource is designed to support the training course "A Special Course in a Foreign Language" (2 ECTS).

The resource is intended for BSc in the field of training 05.03.06 Ecology and Environmental Management and 05.04.02 Geography.

It is designed to support a blended learning model using the GASU EEE (based on Moodle platform moodle.gasu.ru) and is based on the MOOC "Sustainable Development of Mountain Territories in the Context of the Concept of Ecosystem Services" launched under the SUNRAISE project in 2020.

This optional course is aimed at developing students' competence for professional communication in English on the issues of sustainable development and ecosystem services.

Total number of students taught in 2020 /2021 academic year - f 8

A Special Course in a Foreign Language Спецкурс на иностранном языке рабочая программа дисциплины (модуля) кафедра иностранных языков и методики преподавания Учебный план 05.03.06 2017 237.plx Group number 237 05.03.06 Экология и приполопользование **Ecology and Environmental Management** Квалификация Форма обучения Общая трудоемкость Часов по учебному плану Вилы контроля в семестрах аудиторные занятия самостоятельная пабота часов на контроль Распределение часов лисинплины по семестрам «Курс». «Семестр на 7 (4.1) Итого KVpce>) Недель Контактная работа 8,85 8,85 8,85 8,85





Aims and objectives

The aims of the course are to develop students' competence for professional communication in English language and provide them with basic knowledge about the ecosystem services and the role they play in the sustainable development of mountain territories.

The key course objectives are:

- students will study new professional terms in English and their Russian equivalents;
- students will develop their skills to participate in professional discussions in English;
- students will be introduced to general characteristics of mountain territories;
- students will study the specific features of mountain biodiversity and the factors it is caused by;
- students will gain an understanding of global significance of mountain territories;
- students will be introduced to the concept of ecosystem services and history of its development;
- students will study the types of ecosystem services;
- students will study the types and methods of valuation of ecosystem services;
- students will gain an understanding of key threats to mountain ecosystem services and the way they can be restored.





General learning outcomes

By the end of the course, successful students will:

- > be able to communicate on professional topics covered in this course in English to both specialist and non-specialist audiences, in particular:
- be aware of SDGs, their targets and indicators;
- be able to describe the general characteristics of mountain landscapes and climate and the way they are formed;
- be aware of natural and man-caused disasters that occur in the mountains;
- understand the reasons for high biodiversity in mountain areas;
- understand the concept of the "biodiversity hotspots";
- recognize the global significance of mountain natural and cultural resources;
- understand the advantages of alternative energy development in mountain areas;
- be aware of the concept of ecosystem services and history of its development;
- be able to list the types (categories) of ecosystem services and define their "components";
- be able to describe the role of mountain territories in the provision of ecosystem services;
- be able to define the value of ecosystem services;
- be able to choose the methods for valuation of a particular ecosystem service;
- have the ability to gather and interpret data for identifying threats to mountain ecosystem services; and
- be aware of possible methods for restoration of ecosystem services.





The course is available on the GASU Moodle http://moodle.gasu.ru/course/view.php?id=6608#section-8

As the course is based on the MOOC "Sustainable Development of Mountain Territories in the Context of the Concept of Ecosystem Services" some educational materials and tasks are located at http://sunraise.gasu.ru/?lang=en

Course contents

- Introduction;
- Theme 1. General Characteristics of Mountain Territories;
- Theme 2. Biological Diversity of Mountain Territories;
- Theme 3. Global Significance of Mountain Territories.;
- Theme 4. Ecosystem Services: Essence and History of Development.;
- Theme 5. Economic Valuation of Ecosystem Services;
- Theme 6. Threats to Mountain Ecosystem Services and Their Restoration.



There has been developed a special textbook for this course that includes texts for reading from the MOOC "Sustainable Development of Mountain Territories in the Context of the Concept of Ecosystem Services," additional questions for self-control, and various communicative exercises and tasks.

http://elib.gasu.ru/index.php?option=com_abook&view=book&id=3539:975&catid= 35:inostrannve-vazvki&Itemid=180

> Учебное пособие разработано для дисциплины «Спецкурс на иностранно языке» и предназначено для студентов естественнонаучных специальносте обучающихся по направлениям подготовки 05.03.06 «Экология природопользование» и 05.03.02 «География».

Пособие разработано на основе массового открытого онлайн курса "Sustainable Development of Mountain Territories in the Context of the Concept of Ecosystem Services"(http://sunraise.gasu.ru/), который является его неотъемлемой частью, и подготовлено в рамках проекта ЕС 586335-ЕРР-1-2017-1DE-ЕРРКА2-CBHE-JP «SUNRAISE: Sustainable Natural Resource Use in Arctic and High Mountainous Areas» Программы Erasmus +.

Проект реализовывался при финансовой поддержке Европейской Комиссии. Публикация отражает только взгляды авторов, и Комиссия не несёт ответственности за использование содержащейся в ней информации.

INTRODUCTION

- 1 What is Sustainable Development?
- 2. When did the concept of sustainable development
- 3 What is the aim of the Brundtland Report? Under
- 4 What are the three essential pillars of sustainable development'

2. Read the text and answer the questions:

action to end poverty, protect the planet and ensure that all people enjoy peace and prosperity by 2030. They were born at the United Nations Conference on Susta Development in Rio de Janeiro in 2012. The objective was to produce a set of universal goals that meet the urgent environmental, political and economic challenge















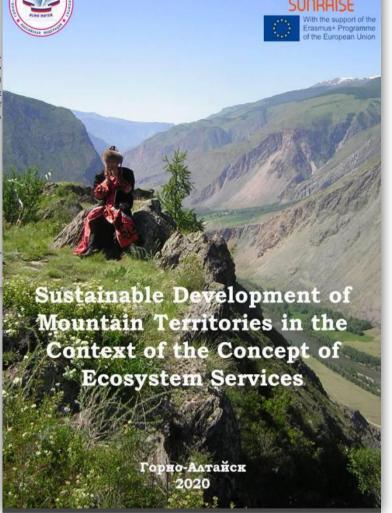












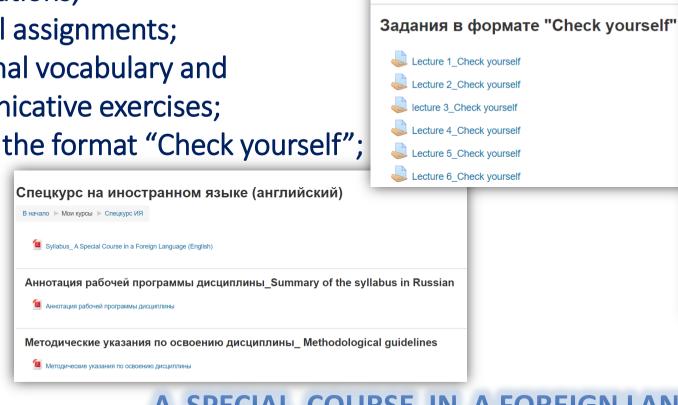




The course includes

- **Entrance test**;
- Video lectures
- Texts for reading and discussion;
- Presentations;
- Practical assignments;
- Additional vocabulary and communicative exercises;
- Tasks in the format "Check yourself";

Tests.











Theme 1 GENERAL CHARACTERISTICS OF MOUNTAIN TERRITORIES



BIOLOGICAL DIVERSITY OF MOUNTAIN TERRITORIES



Практические задания Practical assignments

Individual projects Sustainable Development Goals (presentations)

Additional exercises Theme 1

Additional exercises Theme 2

Additional exercises Theme 3

Additional exercises Theme 4

Additional exercises Theme 5 Additional exercises Theme 6

Group projects Treats to Ecosystem Services and Their Restoration (presentations)

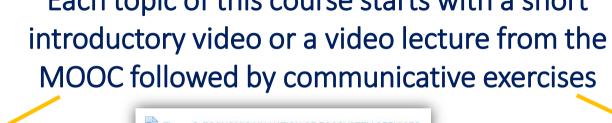


Each topic of this course starts with a short















Then, students work independently with the texts of lectures and perform tasks "Check yourself" and SUNRAISE





Практические задания Practical assignments

Individual projects Sustainable Development Goals (presentations)

2. Find in the text the English equivalents of the following words and word combinations:

3. Match the given words and word combinations with their definitions:

Group projects Treats to Ecosystem Services and Their Restoration (presentations)

Additional exercises _Theme 1

Additional exercises _Theme 2

Additional exercises _Theme 3

Additional exercises _Theme 4

Additional exercises _Theme 5

Additional exercises _Theme 6

Vocabulary exercises: Theme 1 GENERAL CHARACTERISTICS OF MOUNT

1. Find in the text the Russian ed	quivalents o
1 foothill	
2 slope	
3 glacier	
4 shield volcano	
5 Earth 's crust	
6 lithospheric plates	
7 volcanic ash	
8 intermountain depression	
9 rock debris	
10 surface	
11 steep slope	
12 destruction of mountains	
13 strengthening	
14 to accelerate	
15 limestone	

глыбовые и складчато-глыбовые горы вулканические горы

складчатые горы

гребень хребта высота

сжатие земной коры извержение вулкана снеговая линия

количество осадког 0 растительності 1 лолина 2 промонна

3 разрушать 4 пещера 5 плотность атмосферь 6 концентрация водяного пара

B – is the shaking of the surface of the Earth C - a mass of snow that slides rapidly down an inclined slope
D - an extended mass of ice formed from snow falling and accumula - an occasion when a volcano explodes, and flames and rocks come out of it - flow of water that contains large amounts of suspended particles and silt J - the movement downslope of a mass of rock, debris, earth, or so

4. Divide the given words into groups of antonyms

direct. reflection. destruction, low, internal, foot, to increase, indirect, downwind, top, external decrease absorption upwind high formation

5. Fill in the gaps with the words and word combinations given below.

1 volcano	6 decreases	11 steep slope	16 avalanche
2 earth surface	7 watershed	12 compression	17 volcanic ash
3 glaciation	8 mountain range	13 snow line	18 Landslides
4 fragile	9 caves	14 shield	19 precipitation
E	10 4	1.6 altituda	20 :

is an area of high ground which divides two or more river systems. streams on one side flow into one river and those on the other side flow into a different riv

f a _____ is spontaneous. 5. There were at least six cold periods with somewhere on the earth.

6. Two skiers were killed in the 7. There is a

8. With increase in temperature drops

system is a complicated system which includes geosphere, atmos

here has risen 150 meters, and glaciers have retreated by 10 kilom are globally distributed landforms, which localize along river valle form in a variety of climatic and tectonic settings.

increase in their diversity over time. Evolutionary changes affect all aspects of the existence of living organisms: their morphology, physiology, behavior, and ecology. All these changes are based on genetic changes, i.e. changes in the hereditary substance, which interacting with the environment determines all the characteristics of living organisms (structure, growth, development, and reproduction). At the genetic level, evolution is the accumulation of changes in the genes of populations.

additional vocabulary exercises:

Evolution at the genetic level can be seen as a two-step process. On the one hand, mutations, i.e. the processes leading to the variability of organisms, arise; on the other hand, there is a change in genes and natural selection - processes through which genetic variation is passed down from generation to generation.

The term "biodiversity" is often regarded as a synonym for "species diversity" or "species richness," which is the number of species in a particular place or biotope. Total biodiversity is usually estimated as the total number of species in different

The species level of diversity is usually considered as the basic or central, and the species is the basic unit of biodiversity account. Species are usually the main objects of protection.

a. What does the term "biodiversity" stand for? What synonyms can it be replaced by?

b. Who was the very phrase "biological diversity" coined by?

c. What are the independently acting processes of biodiversity?

d. What is biological evolution?

e. How does evolution at the genetic level occur?

f. How is total biodiversity estimated?

Earth's biodiversity performs a number of functions, including:

· maintenance of the ecosystem balance: processing and storage combating environmental pollution, stabilizing the climate, pre resources, forming and protecting soil, and maintaining the ecological

· formation of biological resources: a source for drugs and ph

Задания в dopмate "Check yourself" Lecture 1 Check yourself Lecture 2 Check yourself lecture 3 Check yourself Lecture 4 Check yourself Lecture 5 Check yourself Lecture 6 Check yourself

The performed tasks are additionally checked and discussed at the lesson or uploaded on the Moodle for the teacher to check.

	Кирилл Геннадьевич Балин	kirillas12@gmail.com	217	Отправлено для оценивания	Оценка	Редактировать ▼	Понедельник, 14 декабря 2020, 22:03	Check 4.docx
ge	Алёна Вячеславовна Деметревских	ademetrevskikh@mail.ru	217	Нет ответа на задание	Оценка	Редактировать ▼	-	-
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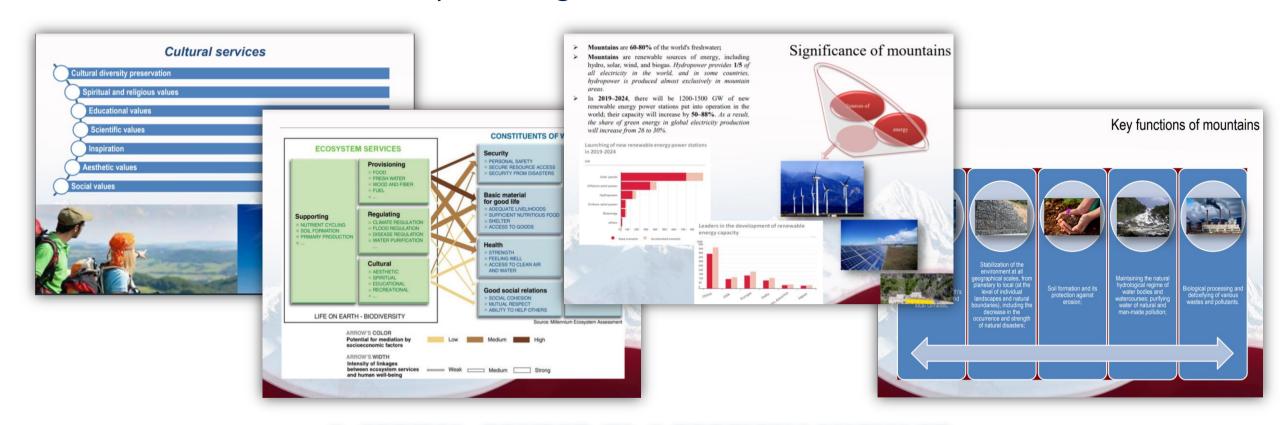
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The next step is the work with revision presentations summarizing the information the students have seen and read:

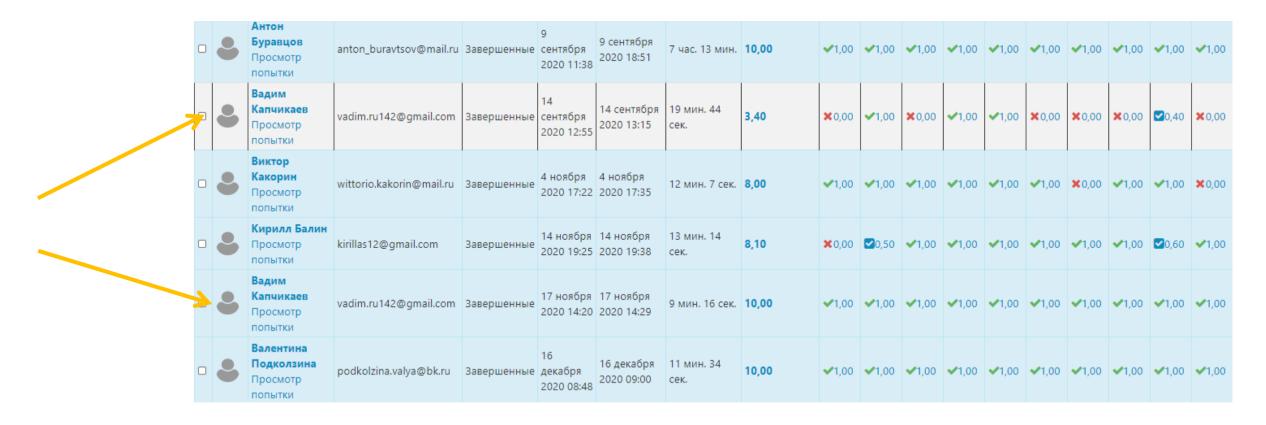
- students watch them independently (in case of distance learning);
- students listen to the teacher presenting them at the lesson.







The e-learning part also includes an obligatory performance of thematic training tests, which can be performed an unlimited number of times, but the teacher can see the results and follow the student's progress:







The students' performance is based on the following:

- Thematic tests (18%);
- Level of preparedness for and participation in class discussions (20%)*;
- Individual assignment (10%);
- Contribution to preparation and presentation of the group assignment (10%);
- Results of the intermediate test (12%);
- Results of the final test (30%).

* The students who for some reasons cannot participate in class activities face-to-face can join group discussions online via BigBlueButton (the Moodle tool).

Групповые дискуссии онлайн_Online group discussions

Б Групповые дискуссии_Group discussions

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ademetrevskikh@mail.ru 217

попытки
Подколзина
Валентина
Васильевна

Просмотр попытки

Алёна Вячеславовна

Просмотр





Тест входного контроля знаний_Entrance test

▼ Тест промежуточного контроля знаний_Intermediate test



Спецкурс на иностранном ... +



Задания для итогового контроля_Tasks for final control

√ l	1тоговый	тест по	курсу_Fі	nal Test				

				23														
Антон Анатольевич Просмотр попытки	anton_buravtsov@mail.ru	237	Завершенные	ноября 2020 15:24	23 ноября 2020 15:41	16 мин. 45 сек.	91,38	√ 17,24	√ 17,24	√ 1,72	√ 1,72	√ 13,79	√ 17,24	√ 1,72	√ 1,72	√ 1,72	√ 1,	72
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Паутов Денис Васильевич Просмотр попытки	d.pautov2018@yandex.ru	237	Завершенные	11 декабря 2020 18:23	11 декабря 2020 18:42	19 мин. 27 сек.	94,83	√ 15,52	√ 17,24	√ 1,72	√ 1,72	√ 17,24	√ 17,24	√ 1,72	√ 1,72	× 0,00	√ 1,	,72
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Спецкурс на	иностранном	языке	(английский)	
			(

В начало ▶ Мои курсы ▶ Спецкурс ИЯ ▶ Задания для итогового контроля_Tasks for final con... ▶ Итоговый тест по курсу_Final Test

1	2	3	4	5	6	7	8	9
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ere individuals attach value from the fact that the ecosyst берите один ответ: Altruistic value
Altruictic value
Altituistic value
Option value
Existence value
Bequest value ✓

Правильный ответ: Bequest value

Валентина Васильевна Подколзина

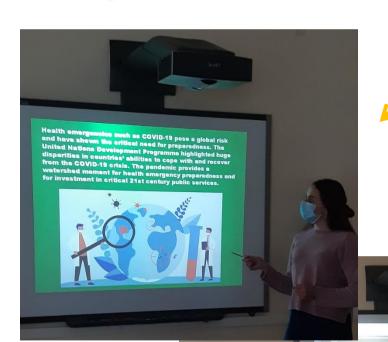
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Семен Юрьевич Темников	temnikov.sema@mail.ru	237	90,00
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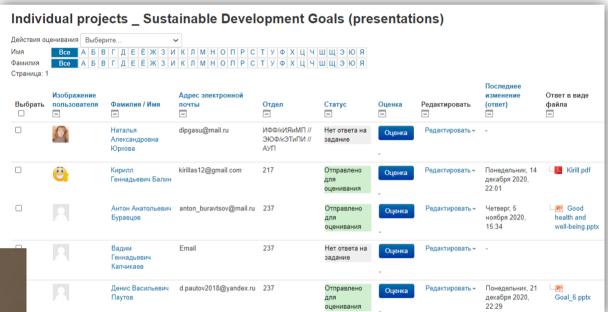


Individual and group projects











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ssions is not higher than the

ability of the environment to absorb them.

nal Commission on Environment (EDD) was established, the great e understanding of the need to development of both groups of cess of greening and a result, the concept of opment" was born, which is





Questionnaire for the students completed the course

- 1. I was provided with overall information about the aim, objectives and contents of the course.
- 2. The length of the course was optimal.
- 3. Evaluate the course content with regard to the level of its complexity.
- 4. Various methods and forms of work were used in the course.
- 5. The course was useful for my scientific/ professional development.
- 6. Your overall assessment of this course.

- 7. Which of the themes were the most interesting?
- 8. Which of the themes were the most difficult for understanding?
- 9. The use of video lectures helped me to acquire new information.
- 10. Does the Moodle platform help control and manage the learning process?
- 11. Does this course require improvement in your opinion? If yes, in which part?
- 12. Additional comments and wishes.

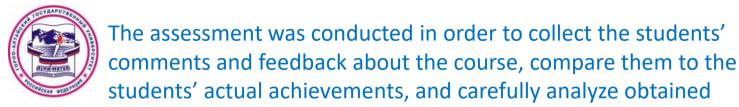
Онлайн анкета-отзыв о курсе_Questionnaire



₹ Ваше мнение важно для преподавателя!_Your opinion is important to the teacher!







results to make necessary amendments to the course content or

It was a fully anonymous online survey posted on the course page

Ваше мнение важно для преподавателя! Your opinion is important to the teacher! Какие из предложенных тем вызывали у Вас наибольший интерес? Редактировать вопросы Шаблоны Анализ результатов Показать ответивших - Global Significance of Mountain Territories - Global significance of mountain territories Экспорт в Ехсе! тема 1 - Значение горных территорий на глобальном уровне Bonnocoe: 12 Оцените уровень сложности курса - не знаю, все плюс минус одниково Освоение каких тем вызвало наибольшие трудности? голого слишком спомным пло ускоение, мой пильный ольт полоточей был непостатульным пло его восплис - тема 2 - Economic Valuation of Ecosystem Services - Ecosistem servises: essence and history of development - 3.4 темы - Экосистемные услуги курс был достаточно простым, хотя некоторые темы и их подача вызывали интере Скрыть данные диаграммы Ответы курс оказался слишком сложным для усвоения, мой личный опыт подготовки был недостаточным для его восприятия 3 (50,00 %) 3 (50,00 %) курс был достаточно простым, хотя некоторые темы и их подача вызывали интерес курс оказался элементарным, большая часть представленной информации была мне знакома

teaching methodology.