

Report for Section T 4.2

Development and Implementation of a Mandatory Course and Elective Modules on “Green Dimensions”

Starting from the 2025–2026 academic year, within the framework of the project “Green and Digital Universities for a Sustainable Kyrgyzstan,” Osh State University has developed and is introducing the following academic disciplines:

№	Course Title	Fields / Programs	Education Level
1.	Ecology and Sustainable Development – mandatory course	All fields and specialties	Bachelor Degree
2.	Education for Sustainable Development and Biodiversity Conservation – university-wide component	520200 Biology	Bachelor Degree
3.	Current Environmental Issues of Kyrgyzstan – university-wide component	520200 Biology; 550100 Natural Sciences Education (ENO)	Master Degree
4.	Green Economy – elective course	520200 Biology	PhD

An order by the Rector has been issued to introduce the above-mentioned disciplines. The original order in Kyrgyz and its translations into English and Russian have been published on the university website:

<https://base.oshsu.kg/resurs/document/PDF-20251113095356-zoologia322.pdf>

<https://base.oshsu.kg/resurs/document/PDF-20251113095851-zoologia322.pdf>

<https://base.oshsu.kg/resurs/document/PDF-20251113095547-zoologia322.pdf>

The content of these disciplines was presented by our team at the international scientific-practical conference “Green and Digital Universities for the Sustainable Development of Kyrgyzstan,” held on September 1–3, 2025, by Issyk-Kul State University within the framework of the GREENKG project. Following the recommendations of professors from Hamburg University of Applied Sciences — Marina Tropmann-Frick, Martin Schulz, and Michael Gille — these disciplines were accepted by the project participants as the foundation for courses to be introduced at universities across the Republic under this project. The syllabi for these disciplines

have been developed and published on the university website.

https://base.oshsu.kg/univer/?lg=3&id_parent=23187

Educational Programs (Syllabuses)

1. Compulsory course for Bachelor Degree: "Ecology and Sustainable Development"

<https://base.oshsu.kg/resurs/document/PDF-20251020090358-zoologia322.pdf>

Ecology and Sustainable Development

<https://base.oshsu.kg/resurs/document/PDF-20251020105448-zoologia322.pdf>

Ecology and Sustainable Development

<https://base.oshsu.kg/resurs/document/PDF-20251020105538-zoologia322.pdf>

2. Elective course for Master Degree: "Education for Sustainable Development and Biodiversity Conservation"

<https://base.oshsu.kg/resurs/document/PDF-20251017085303-zoologia322.pdf>

Education for Sustainable Development and Biodiversity Conservation

<https://base.oshsu.kg/resurs/document/PDF-20251024093009-zoologia322.pdf>

3. Elective course for Bachelor Degree: "Green Economy"

<https://base.oshsu.kg/resurs/document/PDF-20251020090942-zoologia322.pdf>

Green Economy

<https://base.oshsu.kg/resurs/document/PDF-20251024092955-zoologia322.pdf>

4. Current Environmental Issues in Kyrgyzstan

<https://base.oshsu.kg/resurs/document/PDF-20251017085107-zoologia322.pdf>

Current Environmental Issues in Kyrgyzstan

<https://base.oshsu.kg/resurs/document/PDF-20251024093928-zoologia322.pdf>

Materials for lecture and seminar classes in Russian and Kyrgyz have been developed

https://base.oshsu.kg/univer/?lg=3&id_parent=23841

1. Ecology and Sustainable Development, lectures (179 pages)

<https://base.oshsu.kg/resurs/document/PDF-20251027070350-zoologia322.pdf>

2. Current Environmental Issues in Kyrgyzstan, lectures (164 pages)
<https://base.oshsu.kg/resurs/document/PDF-20251024092146-zoologia322.pdf>
3. Current Environmental Issues in Kyrgyzstan, seminar sessions (114 pages)
<https://base.oshsu.kg/resurs/document/PDF-20251024092159-zoologia322.pdf>
4. Education for Sustainable Development and Biodiversity Conservation (45 pages)
<https://base.oshsu.kg/resurs/document/PDF-20251027070006-zoologia322.pdf>
5. Green Economy, lectures (18 pages)
<https://base.oshsu.kg/resurs/document/PDF-20251024092216-zoologia322.pdf>
6. Green Economy, seminar sessions (30 pages)
<https://base.oshsu.kg/resurs/document/PDF-20251024092225-zoologia322.pdf>

**Number and lists of students enrolled in the above-mentioned
courses:**

Current Environmental Issues of Kyrgyzstan

Master's Degree

Field of Study: 550100 Natural Science Education (profile: Biology),

Group: ENOB(m)-1-25

1. Abdushukirova Begoyimkhon Murodalievna
2. Abdykaimova Yrysgul Almazbekovna
3. Batyrova Guliza Arynovna
4. Makhmatova Elnura Urmatbekovna
5. Munarbekova Eliza Munarbekovna
6. Oroskulov Abdykadyr Bakytbekovich

550100 ENOB (m)-1-24

1. Abdivali kyzy Aynura
2. Adyrova Aynazik Kamilovna
3. Kaanatova Gulnara Orozalievna

4. Kanatbekova Aynagul Kanatbekovna
5. Kurmanbek kyzy Feruzat
6. Makhamatemin kyzy Kasiet
7. Mederbek kyzy Meerimgul
8. Nurlanbekova Aynazik Nurlanbekovna
9. Rustambekova Aynura Rustambekovna
10. Rysbekova Shakhzada Rysbekovna

Green Economy

Bachelor Degree

Field of Study: 520200 Biology

Group: BL(B)-1-24

1. Anarbayeva Meerim Kanybekovna
2. Bakytbekova Aelita Alaybekovna
3. Zakirzhanova Fotima Zakhidzhanovna
4. Karimova Makhliekhon Tokhtamuratovna
5. Mamazhunosova Ayzirek Talantbekovna
6. Ramanova Saykal Mukambetovna
7. Khamidova Gavkharoy Khayrullayevna
8. Keneshbekova Meerimgul Maksatbekovna

Field of Study: 610001. Veterinary Medicine

Group: VTz- 1-24

1. Nuraliev Abdulazim Zhenali ugli
2. Savytakhunov Mirzat Baktyyarovich
3. Arzybaev Mirzabakhram Ravshanovich
4. Zhunusalieva Aigul Seydalievna
5. Pazylova Gulzhamal Rysbaevna
6. Ozojonov Bakhtiyorjon Bokhodirjon ugli
7. Toychuev Abdimalip Mamasharipovich
8. Myrzalieva Zubaida Ibraimovna
9. Turgunbaev Askhatbek Gylamidinovich
10. Abdumutalov Asadbek Rasuljon ugli

Education for Sustainable Development and Biodiversity Conservation
PhD Program
Field of Study: **520200 Biology**

Group: BIO (PhD)-1-24

- Kubanych uulu Zhumabek
- Mamyrava Gulaiym Abdukayumovna
- Matibali uulu Sherali
- Matkerimova Fatima Kaldarbekovna

Group: BIO (PhD)-1-25

- Bopoyev Nurbek Omurzakovich
- Karimova Jypargul Kurmanbekovna
- Tairzhanova Mengai Tairzhanovna

The class schedules are available on the MyEDU platform, developed by Osh State University:

<https://base.oshsu.kg/resurs/document/PDF-20251113103948-zoologia322.pdf>

Seminar classes are mainly conducted at the Center for “Ecology and Sustainable Development” – GDO, which was opened within the framework of the project with the participation of Maria-Sol Dominguez Parrado, Project Manager of the European Commission and the European Education and Culture Executive Agency, Gulnara Isaeva, Coordinator of the National Erasmus+ Office, and the corresponding university leadership headed by the Rector of Osh State University, Kudaiberdi Kozhobekov.

https://base.oshsu.kg/univer/?lg=3&id_parent=23842

https://base.oshsu.kg/univer/?lg=3&id_parent=23844

By the Decree of the President of the Kyrgyz Republic, Osh State University has been granted a special status, which gives the university the right to independently develop educational standards and academic programs. The new standards and curricula include the above-mentioned courses developed within the project:

- Model for the Development of Higher Professional Education Standards at Osh State University (Bachelor/Specialist) (in the Kyrgyz language)

<https://base.oshsu.kg/resurs/document/PDF-20251113101758-zoologia322.pdf>

- Model for the Development of Higher Professional Education Standards at Osh State University (Master’s Program) (in the Kyrgyz language)
<https://base.oshsu.kg/resurs/document/PDF-20251113103652-zoologia322.pdf>
- Experimental Curriculum 550100 “Natural Science Education” (Master’s Program)
<https://base.oshsu.kg/resurs/document/PDF-20251113103358-zoologia322.pdf>
- Experimental Curriculum 520200 “Biology” (Master’s Program)
<https://base.oshsu.kg/resurs/document/PDF-20251113102841-zoologia322.pdf>
- Educational Program for the Field of Study 520200 “Biology”
<https://base.oshsu.kg/resurs/document/PDF-20251113101217-zoologia322.pdf>
- Course Catalogue
<https://base.oshsu.kg/resurs/document/PDF-20251113101028-zoologia322.pdf>

A letter on behalf of the program coordinator, **J. A. Baytugolova**, was submitted to the Minister of Science and Higher Education of the Kyrgyz Republic with a proposal to introduce the course “**Ecology and Sustainable Development**” into the educational programs of universities across the country.

Note. The website of Osh State University publishes information in the Kyrgyz, English, and Russian languages. In the upper right corner, users can select the desired language. All links to the published educational materials on the university website are provided in the appendix.

LINKS

GREENKG Project Courses

https://base.ohsu.kg/univer/?lg=1&id_parent=23187

Syllabuses (Educational Programs)

1. Compulsory course for Bachelor Degree: “Ecology and Sustainable Development”

<https://base.ohsu.kg/resurs/document/PDF-20251020090358-zoologia322.pdf>

Ecology and Sustainable Development (Kyrgyz)

<https://base.ohsu.kg/resurs/document/PDF-20251020105448-zoologia322.pdf>

Ecology and Sustainable Development (Russian)

<https://base.ohsu.kg/resurs/document/PDF-20251020105538-zoologia322.pdf>

2. Elective course for Master Degree: “Education for Sustainable Development and Biodiversity Conservation”

<https://base.ohsu.kg/resurs/document/PDF-20251017085303-zoologia322.pdf>

Education for Sustainable Development and Biodiversity Conservation (Russian)

<https://base.ohsu.kg/resurs/document/PDF-20251024093009-zoologia322.pdf>

3. Elective course for Bachelor Degree: “Green Economy”

<https://base.ohsu.kg/resurs/document/PDF-20251020090942-zoologia322.pdf>

Green Economy (Russian)

<https://base.ohsu.kg/resurs/document/PDF-20251024092955-zoologia322.pdf>

4. Osh State University: “Current Environmental Issues in Kyrgyzstan”

<https://base.ohsu.kg/resurs/document/PDF-20251017085107-zoologia322.pdf>

Current Environmental Issues in Kyrgyzstan (Russian)

<https://base.ohsu.kg/resurs/document/PDF-20251024093928-zoologia322.pdf>

5. Sustainable Development in the Field of IT

<https://base.ohsu.kg/resurs/document/PDF-20251024090706-uluk.pdf>

Sustainable Development in the Field of IT (in the Russian language)

<https://base.ohsu.kg/resurs/document/PDF-20251024085620-uluk.pdf>

Materials for Lecture and Seminar (Practical) Sessions

https://base.oshsu.kg/univer/?lg=1&id_parent=23841

1. Ecology and Sustainable Development, lectures
<https://base.oshsu.kg/resurs/document/PDF-20251027070350-zoologia322.pdf>
2. Current Environmental Issues in Kyrgyzstan, lectures
<https://base.oshsu.kg/resurs/document/PDF-20251024092146-zoologia322.pdf>
3. Current Environmental Issues in Kyrgyzstan, seminar sessions
<https://base.oshsu.kg/resurs/document/PDF-20251024092159-zoologia322.pdf>
4. Education for Sustainable Development and Biodiversity Conservation
<https://base.oshsu.kg/resurs/document/PDF-20251027070006-zoologia322.pdf>
5. Green Economy, lectures
<https://base.oshsu.kg/resurs/document/PDF-20251024092216-zoologia322.pdf>
6. Green Economy, seminar sessions
<https://base.oshsu.kg/resurs/document/PDF-20251024092225-zoologia322.pdf>

Technical Support of Courses:

https://base.oshsu.kg/univer/?lg=1&id_parent=23842

Class Activity Snapshots:

https://base.oshsu.kg/univer/?lg=1&id_parent=23844

Educational programs https://base.oshsu.kg/univer/?lg=3&id_parent=24034

1. Schedule of MyEDU 520200 "Biology" PhD
<https://base.oshsu.kg/resurs/document/PDF-20251113103948-zoologia322.pdf>
2. A Model for Developing Standards of Higher Professional Education at the Osh State University (Master's Degree) (in the Kyrgyz language)
<https://base.oshsu.kg/resurs/document/PDF-20251113103652-zoologia322.pdf>
3. Experimental curriculum 550100 "Natural Science Education" Master's Degree (in three languages)
<https://base.oshsu.kg/resurs/document/PDF-20251113103358-zoologia322.pdf>
4. Experimental curriculum 520200 "Biology" Master's Degree (in three languages)
<https://base.oshsu.kg/resurs/document/PDF-20251113103151-zoologia322.pdf>
5. Elective courses 520200 Biology Master's Degree (in three languages)
<https://base.oshsu.kg/resurs/document/PDF-20251113102841-zoologia322.pdf>
6. Schedule of the educational process 520200 "Biology" PhD (in three languages)
<https://base.oshsu.kg/resurs/document/PDF-20251113102542-zoologia322.pdf>
7. A Model for Developing Standards of Higher Professional Education at the Osh State University (Bachelor's Degree/Specialist) (in the Kyrgyz language)
<https://base.oshsu.kg/resurs/document/PDF-20251113101758-zoologia322.pdf>
8. Schedule of the educational process in three languages
<https://base.oshsu.kg/resurs/document/PDF-20251113101323-zoologia322.pdf>
9. The curriculum of the 520200 Biology course is

available in three languages

<https://base.ohsu.kg/resurs/document/PDF-20251113101217-zoologia322.pdf>

10. Catalog of disciplines

<https://base.ohsu.kg/resurs/document/PDF-20251113101028-zoologia322.pdf>