[A-3]COURSE SYLLABUS

1. Course Description (Approximately 100 words)

The relevance of science and its role in higher education.
The program addresses environmental issues in the course of scientific and technological development, the concepts of environmental crises and natural disasters, human-made changes and their types, monitoring concepts and methods, environmental and energy pollution, environmental protection and environmental protection. international cooperation in the field of ecology, laws and laws of ecology, biosphere formation, a large geological and small biological cycle of substances in nature, an understanding of ecosystems, biogeocenosis and population, the basics of waste technologies, natural resources and their classification, permissible concentrations (MPCs and emission standards (RETM), methods of waste treatment in the atmosphere and open water, solid waste management and disposal.

2. Course Goals and Objectives (Approximately 100 words)

The aim of the course is to teach students the theoretical foundations of environmental problems, the consequences of the imbalance between nature and society, improve the environmental management system and increase the efficiency of use of natural resources. The purpose of the subject is to explain the causes of environmental and environmental problems, the scientific basis for environmental protection, the use of effective means of protection, as well as the environmental aspects of environmental problems, environmental safety and sustainable development.

3. Textbook (Title, Author, Publisher, Year of Publication, etc.)

1. Richard O. Mines, Jr. “Enviromental Enjinering” This edition first published 2014, Wiley & Sons, Inc., 111 River Street, Hoboken, New Jersey, 2014,XII, 637 p. *ISBN 978-1-118-80145.
2. O. Qudratov “Sanoat ekologiyasi” Toshkent 2005. O’quv qo’llanma.
3. Л.И.Цветкова, М.И. Алексеев, Б.П. Усанов и др. “Экология”, Москва, издательство АСВ:,СПб, Химиздат, 2001. Учебник для ВТУЗов
4. O’zbekiston Respublikasi Qizil kitobi 2-t.-T.: “Chinor YeNK”, Toshkent 2009. Darslik.
5. Yodgorova D.Sh., Egamberdieva L.Sh. “Shaxar ekologiyasi” Toshkent, O’zMU nashriyoti 2013. Uslubiy qo’llanma

4. Reference

1. Mirziyoyev Sh.M. Erkin va farovon, demokratik O’zbekiston davlatini birgalikda barpo etamiz. O’zbekiston Respublikasi Prezidentining lavozimiga kirishish tantanali marosimiga bag’ishlangan Oliy Majlis palatalarining qo’shma majlisidagi nutqi. –T.: “O’zbekiston” NMIU, 2016. -56 b

5. Course Requirements and Grades

86-100 A Making the conclusion and decision. Being able to think positively. Being able to observe independently. Being able to use the knowledge practically. Recognizing the meaning. Knowing and telling the meaning of subject. Getting the idea.
71-85 B Being able to observe independently. Being able to use the knowledge practically. Recognizing the meaning. Knowing and telling the meaning of subject. Getting the idea.
55-70 C Recognizing the meaning. Knowing and telling the meaning of subject. Getting the idea.
0-54 D Having no exact idea.
Home work 10%

6. Course Calendar

Week	Main Content
1	Theoretical foundations of ecology.
2	Biosphere resources and their rational use.
3	Basics of atmospheric air protection.
4	The hydrosphere and its protection.
5	The lithosphere and its problems.
6	Sustainable development strategy.
7	Decisions and laws of the Republic of Uzbekistan on environmental protectic
8	Calculation of emissions of harmful substances into the atmosphere and per
9	Calculation of harmful dust and harmful gases emitted into the atmosphere a
10	Cyclone calculation and selection.
11	Calculation of damage from pollutant discharge into water bodies.
12	Calculation of wastewater treatment level.
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