



Course Syllabus

1. Course Title:

Environmental Problems and Environmental Pollution

2. Academic Level:

Master

3. ECTS Credits:

5 ECTS

4. Semester:

3, Autumn semester

5. School/Department:

Academy of Architecture and Fine Arts

6. Location:

75/78, Maxim Gorky Street, Rostov-on-Don

7. Instructor:

Professor Julia Gorgorova email: ygorgorova@sfedu.ru

8. Language of Instruction:

English

9. Course Description:

The development of society is characterized by an increase in the consumption of natural resources, deterioration and reduction of the gene pool of populations and the ecology of their habitat, depletion of stocks of non-renewable natural raw materials, negative changes in the environment under the influence of natural and anthropogenic environmental factors. Ecological knowledge about the interaction of man and nature, its consequences, and the dependence of the development of society on the state of nature and the environment

was formed in close relationship with ideas about the need to protect them. Overcoming the consumer attitude to natural resources has become one of the most important principles of creating the scientific foundations of sustainable development-the theory of socio-economic development of mankind and societies, which provides for meeting the life needs of each generation of people without compromising the nature and future generations.

10. Course Aims:

Students learn the general principles of function geosystem and the implementation of all human activities, either related to the direct use of nature and its resources or to its modifying influences.

11. Specific entry requirements (if any):

12. Course Content:

Module 1. Anthropogenic impact on nature
Module 2. Rational use and protection of nature

13. Intended Learning Outcomes:

Students will demonstrate note-taking skills and analyse the existing literature on the subject, applying critical and theoretical approaches

14. Learning and Teaching Methods:

lecture, seminar

15. Methods of Assessment/Final assessment information:

Pass/fail examination

16. Reading List:

1. Eco2 Cities : Ecological Cities as Economic Cities
<https://openknowledge.worldbank.org/handle/10986/2453>
2. Stephane, Hallegatte; Jun, Rentschler; Julie, Rozenberg [Adaptation Principles : A Guide for Designing Strategies for Climate Change Adaptation and Resilience](#) . World Bank, 2020.