



# PEOPLES' FRIENDSHIP UNIVERSITY OF RUSSIA (RUDN UNIVERSITY)

presents

massive open online course

## Environmental standards and norms for the sustainability

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### 6 weeks, 6 parts of the course:

1. **Introduction.** Sustainability and sustainable development. Nature management and environmental safety. Sustainability of the natural systems and their development trajectory. Environmental norms as an instrument of nature management. Types of the standards.
2. **Environmental norms and regulations for the atmosphere protection.** Factors of the pollution and self-purification of the atmosphere. Main models of the atmosphere pollution. Norms of the atmospheric quality: approaches to the setting of norms and examples. Regulation of the atmospheric pollution.
3. **Environmental norms and regulations for the protection of water quality.** Factors of the pollution and self-purification of the water bodies. Basic models of the pollution of water flows: the Russian experience. Norms of water quality.
4. **Environmental norms and regulations for the protection of soil.** Soil quality standards: approaches to justification of norms, types of norms, examples.
5. **Waste in the nature management.** Pyramid of the waste management. Waste as the "secondary resources": recycling and "waste to energy" technologies. Norms for the assessment of the waste danger. Norms of the waste formation, accumulation, storage and processing.
6. **Specific environmental pollutants and their regulation.** Oil and petroleum products in the environmental media: some regulation approaches in Russia and abroad. Polycyclic aromatic hydrocarbons and their regulation in the environments: main environmental properties of PAHs, their marker role, examples of the norms in the world.

### Each part contains:

- Video lecture (20 minutes)
- Written materials
- Didactic materials
- Informational resources
- Knowledge control
- Knowledge control feed-back

**Welcome to:**

<https://www.openlearning.com/courses/environmental-standards-and-norms-for-the-sustainability/HomePage>

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