



# Course Syllabus

## 1. Course Title:

Management of sustainable development

## 2. Academic Level:

Master

## 3. ECTS Credits:

5 ECTS

## 4. Semester:

3, autumn semester

## 5. School/Department:

Faculty of Management

## 6. Location:

200/1 Stachki Avenue, Rostov-on-Don

## 7. Instructor:

Prof. Elena Lazareva. Email: [elazareva@sfedu.ru](mailto:elazareva@sfedu.ru)

## 8. Language of Instruction:

English

## 9. Course Description:

Sustainable development is the organizing principle for meeting human development goals while simultaneously sustaining the ability of natural systems to provide the natural resources and ecosystem services based upon which the economy and society depend. The desired result is a state of society where living conditions and resources are used to continue to meet human needs without undermining the integrity and stability of the natural system. Sustainable development can be defined as development that meets the needs of the present without compromising the ability of future generations to meet their own needs.

## 10. Course Aims:

To give the deep understanding concepts of environmental management as part of Sustainable development management, increasing the potential for adoption economic and financial institutions rational and efficient environmentally-friendly management decisions.

#### **11. Specific entry requirements (if any):**

-

#### **12. Course Content:**

This course includes several topics:

1. International Environmental risk-management and its role in sustainable development economics
2. Risk-Management. International Environmental risk: essence, main features and varieties
3. Implementation mechanisms of International Environmental Risk Management
4. International Environmental values / economic values of environmental risks as the environmental risk-management instruments
5. Ecological insurance: new type of insurance in sustainable development economics
6. International Environmental risk-management of economic and financial institutions and world economics' future: solution strategies of global environmental problems

#### **13. Intended Learning Outcomes:**

Knowledge:

- research organization methodology groups;
- a technique for constructing forecast models;
- a mechanism for making managerial decisions on the use of received during research of scientific results

Skills:

- to organize effective work inside research team;
- to predict the dynamics and development trends of the green economy, its systems, based on the use of formalized models and methods;
- team management skills in the framework of the project;
- skills in the development of formal models to predict changes in the studied object;
- to develop recommendations for the practical use of the research results;
- skills of making managerial decisions on the practical implementation of the received scientific results.

#### **14. Learning and Teaching Methods:**

When fulfilling written tasks (essays, individual tasks).

When writing a task:

1. A student was self-reliant in the task, showed completeness, preparedness of the proposed solutions.
2. Showed the level of creativity, originality in the disclosure of topics, approaches, and proposed solutions.
3. Demonstrated reasonableness of the proposed solutions, approaches, conclusions, complete bibliography, and citation.
4. Competently designed the task: there is a compliance with the standard requirements, high quality of sketches, diagrams, and drawings.

When defending a work:

- Prepared high-quality report on the following criteria: composition, full disclosure of the work, approaches, results; reasonableness, conclusiveness.
- Showed the scope and depth of knowledge on the topic (or subject), wide knowledge, interdisciplinary relationships.
- Demonstrated pedagogical orientation: culture of speech, use of visual aids.
- Gave substantive answers to the lecturer's questions: completeness, reasonableness, conclusiveness, intention to use the answers to successfully cover the topic and strengths of the work.
- Revealed his or her business and volitional qualities: pursuance of achieving high results, readiness for discussion, kindness, and sociability.

### **15. Methods of Assessment/Final assessment information:**

- Students' self-guided reading of the educational material, course books and reference materials with follow-up free discussion based on the material studied;
  - Implementation of supporting (illustrating) data, involving the use of multimedia presentation equipment containing basic terms, graphs and tables;
  - Analysis of Case-Study for the students to understand the nature and significance of applied tasks under consideration;
  - Tests;
  - Essay writing;
  - Fulfillment of individual tasks on the topics and examples provided.
- Final certification – Pass-fail test.

### **16. Reading List:**

Graedel, T.E and Allenby B.R (2009) Industrial Ecology and Sustainable Engineering. Pearson/Prentice Hall.  
Heinberg, R. (2012) What is sustainability? Post Carbon Institute.  
Benoît, C., and Mazijn, B. (eds) (2009), UNEP/SETAC Life Cycle Initiative. Guidelines for social life cycle assessment of products.  
Theis, T. and Tomkin, J. (eds.) (2012). Sustainability: A Comprehensive Foundation. On-line text book.