

TEACHING DISCIPLINE: LEGISLATIVE AND TECHNICAL REGULATIONS IN ENVIRONMENTAL PROTECTION

(Specialization Environmental Engineering; 4th Year of study, 7th Semester)

Credit value (ECTS): 4

Course category: mandatory

Course holder: Camelia Elena Luchian

Discipline objectives (course and practical works)

- understanding the fundamental concepts of environmental protection legislation at European and national level, the concrete applications and conditions in which the European directives are implemented, taking into account the economic and social particularities of our country;
- knowledge and appropriate use of the notions specific to the legislation in the field of environmental protection;
- knowledge and interpretation of the norms regarding the legal protection of the environment;
- interpretation of normative acts that purpose the protection of the environment according to their aims and the principles of the environmental legislation;
- explaining the position, rights, and obligations regarding the conservation, development, and protection of the environmental elements.

Contents (syllabus)

COURSE (Chapters / Subchapters)
1. Introduction to environmental protection
1.1. Generalities regarding the environment such as natural resources, biodiversity, environmental protection, environmental quality, and pollution
1.2. Ecological damages and prejudices
1.3. Environmental law
2. Environmental strategies and policies
2.1. The necessity of an environmental strategy
2.2. Principles and tools of the environmental protection strategy
2.3. Environmental policies, management procedures, and practices
2.4. Romania's integrated environmental monitoring system
2.5. Waste management and sustainable development strategies
2.6. Environmental conformation strategies, environmental emergencies
3. Environmental policy in the European Union
3.1. Institutional actors of environmental policy
3.2. The objectives of the environmental policy
3.3. Principles
3.4. Environmental Action Programs
4. Environmental policy enforcement tools
4.1. Legislative instruments
4.2. Technical tools
4.3. Financial instruments
5. Environmental policy in Romania
5.1. Institutional framework
5.2. Programs to support national environmental policy
6. Sources of legislation in environmental protection
6.1. Principles and functions
6.2. International, community, and national environmental legislation
6.3. Functions of environmental legislation

6.4. Principles of environmental protection legislation
7. Legal liability
7.1. The notion of legal responsibility in environmental legislation
7.2. Contravention liability
7.3. Penal liability
7.4. Civil liability
8. Legal protection of the atmosphere and climatic changes
8.1. International and national regulations regarding the protection of the atmosphere
8.2. International and national regulations on climatic changes
Practical work
1. Analysis of the conceptual content of environmental protection
2. Discussion on the national and international principles underlying the environment protection
3. Sanctions on the violation of the norms of environmental regulation. Examples regarding the violation of legislative norms and their environmental impact
4. Waste management in the European Union and Romania. Comparative studies
5. Protected areas characteristics and the identification of legal norms regulating the legal conditions
6. Air's pollution and climatic changes - studies on violations of legislative terms
7. Test. Conclusions

Bibliography

1. Dușca A.I., 2009 - *Dreptul mediului*, Ed. Univ. Juridic, București
2. Dușu M., 2003 - *Dreptul mediului*, Tratat-Abordare integrată, vol. I și II, Ed. Economică, București
3. Marinescu D., 2003 - *Tratat de dreptul mediului*, Ed. All Beck, București
4. Zaharia A., Pașcan A., 2010 - *Legislația protecției mediului*, Ed. „Zigotto”, Galați
5. Zaharia C., 2003 - *Legislația pentru protecția mediului*, Ed. Univ. „Al. I. Cuza” Iași
6. Zaharia C., 2006 - *Protecția juridică a mediului*, Ed. Ecozone, Iași
7. ***European Community 1993 - *Environmental Legislation*, vol. 3 – Chemicals, industrial risks and biotechnology
8. ***European Community, 1992 - *Environmental Legislation*, vol. 1 – Air
9. ***www.local.ro.eea.europa - *Rapoarte UE: nitrați, apa, semnale de mediu* (raport AEE)
10. ***www.mmediu.ro

Evaluation

Evaluation form	Evaluation Methods	Percentage of the final grade
Course	Exam	60
	Course presence	10
Practical works	Tests + cours and practical	30

Contact

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TEACHING DISCIPLINE: LEGISLATIVE AND TECHNICAL REGULATIONS IN ENVIRONMENTAL PROTECTION

(Specialization Environmental Engineering; 4th Year of study, 8th Semester)

Credit value (ECTS): 2

Course category: mandatory

Course holder: Camelia Elena Luchian

Discipline objectives (course and practical works)

- understanding the fundamental concepts of environmental protection legislation at European and national level, the concrete applications and conditions in which the European directives are implemented, taking into account the economic and social particularities of our country;
- knowledge and appropriate use of the notions specific to the legislation in the field of environmental protection;
- knowledge and interpretation of the norms regarding the legal protection of the environment;
- interpretation of normative acts that purpose the protection of the environment according to their aims and the principles of the environmental legislation;
- explaining the position, rights, and obligations regarding the conservation, development, and protection of the environmental elements.

Contents (syllabus)

COURSE (Chapters / Subchapters)
1. Legal protection of water sources
1.1. Legal protection of surface waters
1.2. Legal protection of groundwater
1.3. Legal protection of potable water and wastewater
1.4. Flood risk assessment and management
2. Soil and subsoil legal protection
2.1. Soil protection and conservation
2.2. Subsoil protection
3. Legislation regarding waste management
3.1. Waste disposal. Waste incineration. Transportation of hazardous waste
3.2. Industrial recyclable waste
3.3. Waste management
4. Protection of natural resources and sustainable conservation of biodiversity
4.1. Conservation of natural habitats, flora, fauna, and wild birds
4.2. Legal protection of protected areas
5. Protocols and legislative provisions regarding the climatic changes
5.1. United Nations Framework Convention on Climate Change (UNFCCC)
5.2. The Kyoto Protocol
5.3. National legislative provisions regarding the reduction of carbon dioxide emissions in the atmosphere
6. Authorization of activities with an environmental impact
6.1. The impact study and the environmental balance sheet
6.2. The environmental agreement, opinion, and authorization
Practical works
1. Characterization of protected areas and identification of the legal norms that regulate the legal regime - case study

2. Waste management in the U.E. and Romania. Comparative case study
3. Case studies on the impact of water pollution on human health
4. Legislative violations with consequences on soil pollution. Use of intensive agriculture - case study
5. Test. Conclusions

Bibliography

1. Dușca A.I., 2009 - *Dreptul mediului*, Ed. Univ. Juridic, București
2. Duțu M., 2003 - *Dreptul mediului*, Tratat-Abordare integrată, vol. I și II, Ed. Economică, București
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8. ***European Community, 1992 - *Environmental Legislation*, vol. 1 – Air
9. ***www.euroactiv.ro
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	Course presence	10
Practical works	Tests + cours and practical	30

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