University of Oradea
Faculty of Environmental Protection
Department of Animal Husbandry and Agrotourism

Topics and References for the position No. 2 from Staff Establishment of the Department of Animal Husbandry and Agrotourism for the year 2024 - 2025

Ecology and Environmental Protection - course

1. The structure and structural indices of the biocenosis
2. The living environment of the population - Physical factors
3. The relationship between the environment and production activities
4. Local effects of environmental pollution generated by zootechnical activities
5. The global effects of environmental pollution generated by animal husbandry; Vulnerability and adaptability of animal husbandry to climate change

References

1. Anca Dumitrescu - Communication of the risk for health generated by the environment, Ed. Of the Institute of Public Health Bucharest, 2000
2. Băbeanu Narcisa, 2008 - Ecology and Environmental Protection - Dominor Publishing House, Bucharest
3. Barnea, M. and Papadapol, C. 1975. Pollution and environmental protection. Scientific and Encyclopedic Publishing House. Bucharest.
4. Berca, M. 2000. General ecology and environmental protection. Ceres Publishing House. Bucharest.
5. Botnariuc, N. and Vădineanu, V. 1982. Ecology. Didactic and Pedagogical Ed. Bucharest.
6. Ciolac, A. 2004. Fundamental elements of ecology and environmental protection. Didactic and Pedagogical Ed. Bucharest.
7. Criveanu H., Georgeta Taralunga, Elements of physics and meteorology applied to biosystems, Ed. Digital Data, 2004
8. Georgescu Bogdan - Ecology and environmental protection, RISOPRINT Cluj-Napoca Publishing House, 2006
9. Holton J.R., Introduction to Dynamic Meteorology, Technical Publishing House, Bucharest, 1996
10. Ionescu, Al. 1973. The biological effects of environmental pollution. Ed. Of the Academy of the Socialist Republic of Romania. Bucharest.
11. Iozon, Doina. 1996. Course in Ecology and Environmental Protection. Typography Agronomy. Cluj-Napoca.
12. Mintaș Olimpia - The atmosphere is unknown ?, Agora University Publishing House, 2010
13. Mohan, Gh., Ardelean, A. 1993. Ecology and Environmental Protection.Ed. Scaiul. Bucharest.
14. Muntean, L.S., Ştirban, M.S. 1995. Ecology, Agrosystems and Environmental Protection. Ed. Dacia. Cluj-Napoca.
15. Neacşu, P., 1984. General ecology. Multiplication Center of the University of Bucharest.
16. Resmeriţă, I. 1983. Dynamic conservation of nature. Scientific and encyclopedic ed. Bucharest.
17. Red, Al. 1987. Earth - the geosystem of life. Scientific and Encyclopedic Publishing House. Bucharest.

18. Şchiopu D., Vîntu V., 2002 - Ecology and environmental protection, Ed. I.I. from Brad, Iasi.
19. Vîntu V., 2000 - Ecology and environmental protection. Ed. "Ion Ionescu de la Brad" Iasi
20. Non-paper Guidelines for Project Managers: Making vulnerable investments climate resilient

Ecology and Environmental Protection - practical works

1. Methods of monitoring fish
2. Animal nutrition in the ecological breeding system
3. Environmental assessment for agro-zootechnical plans and programs
4. Assessment of the impact of zootechnical activities on the environment
5. Integrated environmental monitoring in animal husbandry

References

1. Antohi C.M., 2002 - Monitoring of Air-Water environmental factors. Ed. Performantica, Iași.
2. Jelev I., Brejea R. Applied environmental management systems. University of Oradea Publishing House. ISBN (10) 973-759-105-4; ISBN (13) 978-973-759-105-0. 2006
3. Mihăiescu R., 2014 - Integrated environmental monitoring. Cluj-Napoca
4. "Guide for monitoring plant species of community interest in Romania",
5. "Synthetic monitoring guide for marine species and coastal and marine habitats of community interest in Romania",
6. "Synthetic monitoring guide for habitats of community interest (salts, continental dunes, meadows, fresh water) in Romania"
7. "Synthetic monitoring guide for habitats of Community interest: bushes, peat bogs and swamps, rocks, forests",
8. "Synthetic monitoring guide for amphibian and reptile species of community interest in Romania",
9. "Synthetic guide for monitoring caves and bat species of Community interest in Romania",
10. "Synthetic monitoring guide for mammal species of community interest in Romania",
11. "Synthetic guide for monitoring community fish species in Romania",
12. "Synthetic guide for monitoring invertebrate species of community interest in Romania".
13. Bird monitoring guide Consultation at

Biophysics and Agrometeorology - course

1. Fluid Statics and the Role of Water in Agricultural Systems
2. Effects of Ionizing Radiation on Agricultural Ecosystems
3. Atmospheric Precipitation: Risks and Its Importance in Agricultural Production
4. Meteorological Influences on Plant Growth and Development in Agriculture
5. Climate Change and the Vulnerability of Agricultural Systems

References

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2. A.I. Popescu, Fundamentals of Medical Biophysics, All Publishing House, Bucharest, 2001.
3. D.G.Mărgineanu, M.I. Isac, C. Tarba, Biophysics, Ed. Didactică Pedagogică, Bucharest 1980.
4. Anca Dumitrescu - Communication of the risk for health generated by the environment, Ed. Of the Institute of Public Health Bucharest, 2000
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7. H. Criveanu, Physics Practical works, Rizoprint Publishing House, Cluj-Napoca, 2001
8. Georgeta Ţarălungă, Biophysics and meteorology-Course, Ed. Todesco, Cluj-Napoca, 2003
9. H.Criveanu, Classical and modern agrometeorology, Digital Data Publishing House, Cluj-Napoca, 2004
10. H.Criveanu, Georgeta Taralunga, Elements of physics and meteorology applied to biosystems, Ed. Digital Data, 2004

Biophysics and Agrometeorology - practical works

1. The Interaction of Ionizing Radiation with Agricultural Systems. Determination of Half-Value Layer
2. Measurement of Solar Radiation and Radiative Balance in Agriculture
3. Determination of Air Relative Humidity. Measurement of Horizontal and Vertical Angles
4. Hygrometric Parameters: Evaporation and Evapotranspiration in Agricultural Systems
5. Atmospheric Electricity and Its Agricultural Implications

References

1. H.,Criveanu - Agrometeorology, Practical works Ed.Todesco, Cluj-Napoca, 2001
2. H.,Criveanu - Georgeta Taralunga, Elements of physics and meteorology applied to biosystems, Ed. Digital Data, 2004
3. H.,Criveanu - "Agricultural Biophysics", Ed. Digital Data, 2006.
4. A.,Teusdea - Practical works of biophysics, University of Oradea Publishing House, 2011
5. L.,Enache - "Agrometeorology", USAMV Publishing House, Bucharest, 2009.
6. Oancea Servilia - "Practical works of physics and biophysics", Ed. PIM, Iaşi, 2009

Biophysics and Agrometeorology - practical works

1. The Interaction of Ionizing Radiation with Horticultural Systems. Determination of Half-Value Layer
2. Measurement of Solar Radiation and Radiative Balance in Horticultural Environments
3. Determination of Relative Humidity and Angle Measurement in Horticultural Settings
4. Hygrometric Variables: Evaporation and Evapotranspiration in Horticultural Systems
5. Atmospheric Electricity and Its Relevance to Horticulture

References

1. H.,Criveanu - Agrometeorology, Practical works Ed.Todesco, Cluj-Napoca, 2001
2. H.,Criveanu - Georgeta Taralunga, Elements of physics and meteorology applied to biosystems, Ed. Digital Data, 2004
3. H.,Criveanu - "Agricultural Biophysics", Ed. Digital Data, 2006.
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5. L.,Enache - "Agrometeorology", USAMV Publishing House, Bucharest, 2009.
6. Oancea Servilia - "Practical works of physics and biophysics", Ed. PIM, Iaşi, 2009

Biophysics and Agrometeorology - practical works

1. The Interaction of Ionizing Radiation with Landscape Systems. Determination of Half-Value Layer
2. Measurement of Solar Radiation and Radiative Balance in Landscape Design

3. Determination of Relative Humidity and Spatial Angle Measurement in Landscape Planning
4. Hygrometric Parameters: Evaporation and Evapotranspiration in Landscape Systems
5. Atmospheric Electricity and Its Implications for Landscape Architecture

References

7. H.,Criveanu - Agrometeorology, Practical works Ed.Todesco, Cluj-Napoca, 2001
8. H.,Criveanu - Georgeta Taralunga, Elements of physics and meteorology applied to biosystems, Ed. Digital Data, 2004
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10. A.,Teusdea - Practical works of biophysics, University of Oradea Publishing House, 2011
11. L.,Enache - "Agrometeorology", USAMV Publishing House, Bucharest, 2009.
12. Oancea Servilia - "Practical works of physics and biophysics", Ed. PIM, Iaşi, 2009

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