

1. Tantárgyelem neve:	Ecology: Nature and Environment protection	Kreditértéke:	1
Tantárgyelem besorolása:	obligatory		
A Tantárgyelem elméleti vagy gyakorlati jellegének mértéke, "képzési karaktere":		elmélet (%):	80
		gyakorlat (%):	20
A tanóra típusa:		practice	
óraszám, az adott félévben:	12		
Az adott ismeret átadásában alkalmazandó további módok, jellemzők: mini demonstrations during lessons			
A számonkérés módja: test, and group presentation			
A tantárgyelem tantervi helye (hányadik félév):	1		
Előtanulmányi feltételek:	-		
Tantárgyelem-leírás: An introduction to the interactions between living organisms and their physical, chemical and biological environment. What is ecology, the role of ecology in science, divisions of ecology. Basic concepts: environment, resources biotic and abiotic factors tolerance habitat, and site. Abiotic factors: light, water, temperature, soil, air. Supraindividual levels: populations, community, ecosystem, Biosphere. Populations: concept, genetic variability, size, density, demography, species distribution. Community: biodiversity (levels also), spatial structure, daily rythm, seasonal change, succession, connections. Ecosystem: food chains, food web, ecological pyramid, production, energy flow, biogeochemical cycles. Hungarian habitats. Biomes, the large-scale bio-geographical patterns. Nature protection, environmental protection, global conventions, global networks. Sustainability, Sustainable Development Goals. Using ecological knowledge in environmental education of preschool Global problems: climate change, renewable energy. organic gardening, pollution (water, air, soil), waste problems, deforestation, the importance of bees			
KÖTELEZŐ IRODALOM			
AJÁNLOTT IRODALOM			

TUDÁS

Students have the basic ecological knowledge needed for the environmental education of preschool children.
Learn important ecological concepts and information.
They are able to clearly and concisely speak about the major concepts in ecology.
The student understands the relationship between man and nature, man's place and position in nature.

KÉPESSÉG

They are able to review and understand ecological problems and integrate this knowledge into everyday life.
They are able to apply the theory of science and sustainability education.

ATTITÚD

They strive for a deeper understanding of nature.
They are committed to educating pre-school children to care for Nature.
They represent a sustainable lifestyle.

AUTONÓMIA-FELELŐSSÉG

They are committed to developing an environmentally conscious approach.

A tantárgyelem felelőse

Név:	Dr. Szurdoki Erzsébet Piroska	Beosztás:	assistant professor
Tudományos fokozat:	PhD		