



## CONTENIDOS PRIORIZADOS 2024

Asignatura: Environmental Management

Curso: Level 1

Profesor/a: Aldana Perlo

1. Tectonic plates. Convergent, Divergent and Transform plate boundaries.
2. Types of rocks. The Rock Cycle
3. Mining: Mineral Deposits, Methods of Extraction and Impacts of Mining
4. Non-Renewable Energy Sources: Fossil Fuels and Nuclear Energy.
5. Renewable Energy Sources: Wind Power, Solar Power, Hydroelectric Power, Tidal Power, Wave Power, Geothermal Power and Biofuels. Characteristics, Advantages and Disadvantages.
6. Tectonic Hazards: earthquakes, tsunamis and volcanic eruptions. Management Strategies
7. Properties of water
8. Water footprint: direct and indirect use (virtual water) of water. Green, blue and gray water.
9. Water Cycle
10. Water related diseases
11. Sources of Freshwater.
12. Sources of water pollution
13. Oceans: World fisheries and environmental impact of overfishing.
14. Atmosphere: composition and layers of the atmosphere
15. Air pollution: enhanced greenhouse effect, ozone depletion, acid rain and smog. Strategies for air pollution management and concept of carbon footprint.
16. Biosphere: habitat, niche, ecosystem and biomes
17. Ecological footprint, biocapacity and ecological deficit
18. Biodiversity. Ecosystem, species and genetic diversity. Human impact in biodiversity. Conservation of biodiversity.