

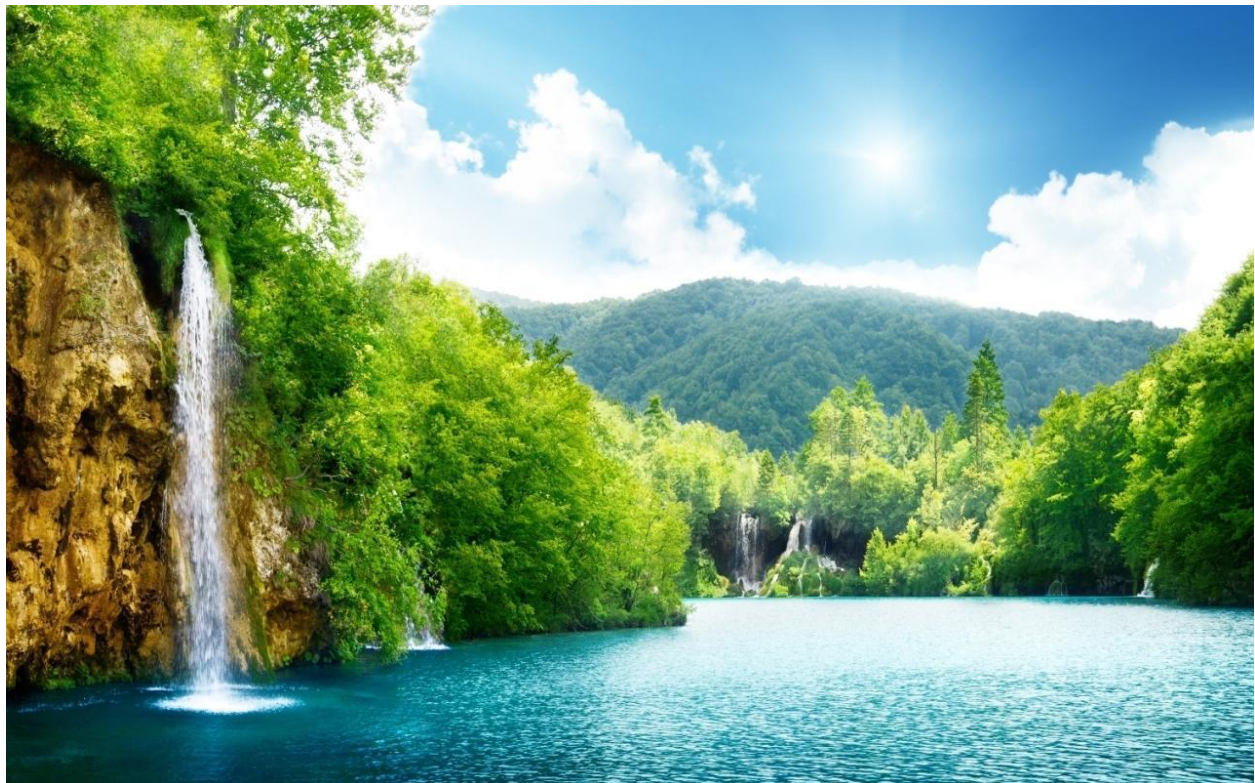


International Diploma

in

**Environmental Protection &
Management**

A Program providing knowledge and understanding about why and how to manage and protect our environmental.



This Program clearly identifies and explains about the threats our environment faces, and what needs to be done - by citizens, businesses, organizations and through law - to protect and manage the environment now and in the future. The Program covers far more than "how to be an environmentalist" and simply protecting the environment; it explains the relationship of environmental protection to economics and politics, and to other societal concerns.

The Program covers the risks our global environment is facing, and how protecting it is critical to economic and social well-being. The Program also provides a unique legal perspective of environment protection and related laws, which is certainly of benefit to anyone aiming to develop a professional career in the area of environmental protection, as well as considering environmental protection more broadly. The Program also discusses the science behind current environmental issues, defines key terms, and explains why the environment needs protection. Many examples of environmental conditions and practices and, examples from both past and current events, make this a fascinating and vital Program to study.

The Program also includes key topics of Management & Business; a short extra optional Test is included in the Fee, leading to an additional certification (making this a double-award Program).

Course Outline

Module 1: Environmental Protection: An Introduction

The environment and environmental protection.
The Environmental Protection Agency and environmental agencies.
Values and drivers of environmental policy.
Sustainability and the difficulty of environmental protection.
Unintended consequences of actions and effects on the environment.

Module 2: Pollution

Pollutants, organic pollutants, bioaccumulation, biomagnification.
Sage level pollution.
Noise pollution, light pollution, nanopollution.
The precautionary principle in environmental protection.
The most dangerous pollutants.

Module 3: Environmental Laws

Environmental law in the United States and other countries.
Reasons for enacting environmental laws.
National Environmental Policy.
Environmental laws and native lands and populations.
Updating environmental laws

Module 4: Environmental Protection and the Global Community

Protecting the environment - a global concern.

International environmental law, the United Nations and global environmental protection.

Obstacles to achieving global environmental agreements.

Developing countries and environmental problems.

The connection between international trade and the environment.

Countries which are best at protecting the environment.

Module 5: Water

The importance of clean water.

Watersheds, ground water, aquifers, wetlands.

Water pollution, the main kinds of water pollutants.

The main sources of water pollution.

Controlling water pollution, improving water quality.

Module 6: Air

The importance of clean air.

Ozone, volatile organic compounds, particulates, acid rain, toxins, gases.

Air pollution, the problems it brings, the major air pollutants.

The main sources of air pollution.

Controlling air pollution, improving air quality.

Module 7: Ecosystems

What ecosystems are and what they do.

Biodiversity, species, species loss, endangered species, invasive species.

Agriculture, soils, farm-related pollution, soil pollution and ecosystems.

Methods of protecting ecosystems.

Monitoring the relationship between sustainability and ecosystems.

Module 8: Climate Change

Climate change, global warming.

Causes of climate change and the problems resulting.

The greenhouse effect, greenhouse gas, carbon footprints, renewables, carbon capture.

Climate change adaptation, climate change mitigation, climate change tools, geoengineering.

Carbon tax, laws on climate change, the Kyoto Protocol, climate justice.

Module 9: Waste

Solid waste, what is discarded, where garbage goes.
Open dumps, landfill, superfunds, brownfields, recycling.
Hazardous wastes, hazardous waste sites.
The challenges and difficulties of clean ups.
Controlling waste, reducing waste, waste elimination.

Module 10: The Built Environment

The built environment and environmental protection.
Smart growth.
The special environmental challenges of cities and overcoming them.
Landowners, their property, restrictions and the law.
Public lands and the protection of the environment.

Module 11: Environmental Justice

Environmental justice and environmental protection.
When environmental justice concerns arise.
Environmental justice population and the environmental justice movement.
Promoting environmental justice and barriers to achieving environmental justice.
How to achieve environmental justice.

Module 12: Environmental Protection and the Economy

Environmental protection, economic growth.
Gross domestic product, externalities, cost-benefit analysis, subsidies, market disclosure.
Environmental regulation, jobs, pros and cons for business.
Using economic tools to protect the environment.
The most promising economic steps to protect the environment.

Module 13: The Future

Today's greatest threats to the environment.
Assessing the seriousness of future climate change and biodiversity threats.
The health or illness of the oceans.
New pollutants, population growth, poverty and environmental protection.
How is poverty connected to environmental protection.
Potential solutions, individual actions, future generations.

Module 14: Management & Business

Business Management, Economics & Commerce.
Commercial Law, Management & Administration.
HR Management, Leadership, Team Management.
Workplace Health & Safety, Sales & Marketing.
Logistics & Supply, Accounting & Finance.

