

Carbon Reduction and Net Zero Strategies (SELF PACED COURSE)

Agenda

MODULES	CONTENT
MODULE 1	<p>Introduction to Climate Change and GHG Emissions</p> <ul style="list-style-type: none"> ▪ What is climate change? ▪ What will be the impacts of climate change? ▪ The economic implications of climate change ▪ The options for combating climate change. ▪ The present emissions and their development (by region) over the past decade
MODULE 2	<p>International Carbon Regulations</p> <ul style="list-style-type: none"> ▪ The Kyoto Protocol and its mechanisms ▪ Sustainable Development Goals – Goal 13 – Climate Action ▪ Climate Action 100+ ▪ Global carbon regulations ▪ SEC: Climate-Related Disclosures for Investors ▪ Inflation Reduction Act (IRA) ▪ US Government regulations and practices – Climate Action Plan ▪ The EU 2030 Framework for climate and energy policies ▪ COP21 – The Paris Agreement ▪ Local Examples
MODULE 3	<p>Net Zero and Carbon Reduction Strategies</p> <ul style="list-style-type: none"> ▪ The definition of sustainable development ▪ The dimensions of Corporate Social Responsibility (Triple Bottom Line) ▪ What can organizations do? ▪ The importance of sustainability in supply chain ▪ The operational risks in the supply chain ▪ Sustainability drivers and complexity in the supply chain ▪ Net Zero Introduction ▪ SBTi’s Corporate Net-Zero Standard ▪ Net Zero Practices
MODULE 4	<p>Energy Efficiency and Green Buildings</p> <ul style="list-style-type: none"> ▪ The rise of carbon footprint strategy ▪ The importance of energy efficiency use, and examples on how efficiency can be achieved. ▪ The ISO50001 standard ▪ Green buildings and carbon footprint through various green building certifications (BREEAM, LEED, SERF, Green Globes)
MODULE 5	<p>GHG Accounting and Assessment</p> <ul style="list-style-type: none"> ▪ The issues of GHG accounting ▪ The Greenhouse Gas Protocol, its operational boundaries, and value chain accounting

	<ul style="list-style-type: none"> ▪ Scope 3 Emissions ▪ The emissions factors and their verification ▪ Emission factors deviations ▪ Emission and cost reduction strategies
MODULE 6	<p>Life Cycle Assessment (LCA) for Carbon Footprint and Water Footprint</p> <ul style="list-style-type: none"> ▪ The life cycle analysis ▪ Measuring standards to be used in life cycle analysis. ▪ The life cycle methodology and specific examples ▪ The water footprint and its importance
MODULE 7	<p>GHG Offsetting and Green Marketing</p> <ul style="list-style-type: none"> ▪ The process of carbon offsetting ▪ The comparison between carbon trading and carbon offsetting ▪ The carbon offsetting project standards ▪ Examples of carbon offsetting ▪ The concept of green marketing ▪ The term “greenwashing” and to detect/avoid it ▪ Green products and the use of eco-labels
MODULE 8	<p>Reporting</p> <ul style="list-style-type: none"> ▪ The purpose of sustainability reporting ▪ The reasons for reporting GHG emissions ▪ The Carbon Disclosure Project ▪ The risks and opportunities related to climate change ▪ The Dow Jones Sustainability Indexes ▪ The Global Reporting Initiative
Final Quiz	15 Questions based on course content
Assignment	3 Questions based on Case Studies

Importance Notes and Course Attendance Conditions for Achieving Dual Certification

- You will have a 3-month window starting from the first day of the Certified Sustainability - ESG Practitioner Course to successfully complete the Certified Online Course of your choice (2nd Certificate of Specialization). Upon successful completion of both courses, you will be eligible for Dual Certification.
- If you do not pass one of the two certification processes, you may have the opportunity to retake the certification process three months later, subject to an additional fee of \$350 USD.
- Failure to complete the Dual Certification process within the specified time frame will result in the application of an additional fee.