COURSE OVERVIEW HE2014

The Economics and Politics of Climate Change Policies for Petroleum & Energy Business

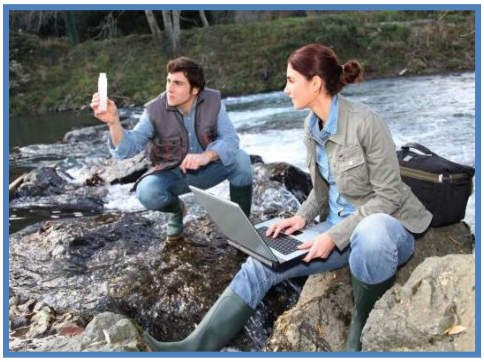
Course Title
The Economics and Politics of Climate Change Policies for Petroleum & Energy Business

Course Date/Venue
Please see page 3

Course Reference
HE2014

Course Duration/Credits
Five days/3.0 CEUs/30 PDHs

Course Description



This practical and highly-interactive course includes real-life case studies and exercises where participants will be engaged in a series of interactive small groups and class workshops.

This course is designed to provide participants with a detailed and up-to-date overview of The Economics and Politics of Climate Change Policies for Petroleum & Energy Business. It covers the greenhouse gas effect, global warming, climate policies, climate economics fundamentals and global energy transitions and trends; the role of oil & gas in net-zero strategies and international regulatory mechanisms; the national climate policies and strategies, carbon pricing mechanisms, fiscal incentives and green subsidies; and the environmental, social and governance (ESG) regulation, legal and liability risks for energy companies and stakeholders in the climate policy arena.

During this interactive course, participants will learn the energy geopolitics and climate ambitions, fossil fuel lobbying and political influence, just transition and social equity; the public opinion and climate activism, global inequality and emissions responsibility; the physical and transition risks to energy business; the strategic decarbonization in oil & gas, business models for low-carbon transition and climate-aligned investment and finance; the corporate climate strategy and governance, emerging technologies and climate alliances; the sectoral agreements, cross-border carbon adjustments (CBAM) and technology transfer; and the capacity building and loss and damage financing mechanisms.

Course Objectives

Upon the successful completion of this course, each participant will be able to:-

- Apply and gain a good working knowledge on the economics and politics of climate change policies for petroleum and energy business
- Discuss greenhouse gas effect and global warming, historical evolution of climate policies, climate economics fundamentals and global energy transitions and trends
- Identify vulnerabilities of petroleum and energy industry, the role of oil & gas in net-zero strategies and international regulatory mechanisms
- Recognize national climate policies and strategies, carbon pricing mechanisms, fiscal incentives and green subsidies
- Explain environmental, social and governance (ESG) regulation, legal and liability risks for energy companies and stakeholders in the climate policy arena
- Determine energy geopolitics and climate ambitions, fossil fuel lobbying and political influence, just transition and social equity
- Discuss public opinion and climate activism, global inequality and emissions responsibility and physical and transition risks to energy business
- Apply strategic decarbonization in oil & gas, business models for low-carbon transition and climate-aligned investment and finance
- Carryout corporate climate strategy and governance covering net-zero target setting and credibility, internal carbon pricing, board-level climate oversight and climate metrics and remuneration linkage
- Discuss emerging technologies, AI and machine learning in climate modelling, energy storage, grid flexibility, technology readiness and scaling challenges
- Review climate alliances and sectoral agreements, cross-border carbon adjustments (CBAM), technology transfer and capacity building and loss and damage financing mechanisms

Exclusive Smart Training Kit - H-STK®

*Participants of this course will receive the exclusive "Haward Smart Training Kit" (**H-STK®**). The **H-STK®** consists of a comprehensive set of technical content which includes **electronic version** of the course materials conveniently saved in a **Tablet PC**.*

Who Should Attend

This course provides an overview of all significant aspects and considerations of economics and politics of climate change policies for petroleum and energy business for executives and managers, ESG managers, sustainability officers, energy economists and strategists and other technical staff.

Training Methodology

All our Courses are including **Hands-on Practical Sessions** using equipment, State-of-the-Art Simulators, Drawings, Case Studies, Videos and Exercises. The courses include the following training methodologies as a percentage of the total tuition hours:-

30% Lectures
20% Practical Workshops & Work Presentations
30% Hands-on Practical Exercises & Case Studies
20% Simulators (Hardware & Software) & Videos

In an unlikely event, the course instructor may modify the above training methodology before or during the course for technical reasons.

Course Date/Venue

Session(s)	Date	Venue
1	May 25-29, 2025	Tamra Meeting Room, Al Bandar Rotana Creek, Dubai, UAE
2	July 28-August 01, 2025	Glasshouse Meeting Room, Grand Millennium Al Wahda Hotel, Abu Dhabi, UAE
3	October 19-23, 2025	Tamra Meeting Room, Al Bandar Rotana Creek, Dubai, UAE
4	November 24-28, 2025	Glasshouse Meeting Room, Grand Millennium Al Wahda Hotel, Abu Dhabi, UAE

Course Fee

US$ 5,500 per Delegate + **VAT**. This rate includes H-STK® (Haward Smart Training Kit), buffet lunch, coffee/tea on arrival, morning & afternoon of each day.

Accommodation

Accommodation is not included in the course fees. However, any accommodation required can be arranged at the time of booking.

Course Certificate(s)

Internationally recognized certificates will be issued to all participants of the course who completed a minimum of 80% of the total tuition hours.

Certificate Accreditations

Certificates are accredited by the following international accreditation organizations: -

- British Accreditation Council (BAC)

  Haward Technology is accredited by the **British Accreditation Council** for **Independent Further and Higher Education** as an **International Centre**. BAC is the British accrediting body responsible for setting standards within independent further and higher education sector in the UK and overseas. As a BAC-accredited international centre, Haward Technology meets all of the international higher education criteria and standards set by BAC.

- The International Accreditors for Continuing Education and Training (IACET - USA)

Haward Technology is an Authorized Training Provider by the International Accreditors for Continuing Education and Training (IACET), 2201 Cooperative Way, Suite 600, Herndon, VA 20171, USA. In obtaining this authority, Haward Technology has demonstrated that it complies with the **ANSI/IACET 2018-1 Standard** which is widely recognized as the standard of good practice internationally. As a result of our Authorized Provider membership status, Haward Technology is authorized to offer IACET CEUs for its programs that qualify under the **ANSI/IACET 2018-1 Standard**.

Haward Technology's courses meet the professional certification and continuing education requirements for participants seeking **Continuing Education Units** (CEUs) in accordance with the rules & regulations of the International Accreditors for Continuing Education & Training (IACET). IACET is an international authority that evaluates programs according to strict, research-based criteria and guidelines. The CEU is an internationally accepted uniform unit of measurement in qualified courses of continuing education.

Haward Technology Middle East will award **3.0 CEUs** (Continuing Education Units) or **30 PDHs** (Professional Development Hours) for participants who completed the total tuition hours of this program. One CEU is equivalent to ten Professional Development Hours (PDHs) or ten contact hours of the participation in and completion of Haward Technology programs. A permanent record of a participant's involvement and awarding of CEU will be maintained by Haward Technology. Haward Technology will provide a copy of the participant's CEU and PDH Transcript of Records upon request.

Course Instructor(s)

This course will be conducted by the following instructor(s). However, we have the right to change the course instructor(s) prior to the course date and inform participants accordingly:

Mr. Raymond Tegman is a **Senior HSE Consultant** with extensive experience within the **Oil & Gas**, **Petrochemical** and **Refinery** industries. His broad expertise widely covers in the areas of **Rigging** Safety Rules, Machinery & Hydraulic **Lifting Equipment**, Handling **Hazardous Chemicals**, Spill Containment, **Fire** Protection, **Fire** Precautions, **Incidents & Accidents** Reporting, **HSEQ** Audits & Inspection, **HSEQ** Procedures, **Environmental** Awareness, **Waste** Management Monitoring, **Emergency Planning**, **Emergency** Management, **Working at Heights**, **Root Cause Analysis**, **HSE** Rules & Regulations, Process Safety Management (**PSM**), Process Hazard Analysis (**PHA**), Techniques, **HAZOP**, **HSE** Risk, **Pre-Start-up Safety** Reviews, **HSE Risk** Identification, Assessments & Audit, **HSE Risk** Assessment & Management Concepts, **HSE Management** Policy & Standards, **HSSE Emergency Response & Crisis Management** Operations, **Confined Space Entry**, **Quantitative Risk Assessment** (**QRA**), Hazardous Materials & Chemicals Handling, Safety Precaution & Response Action Plan, **Hazard & Risk** Assessment, Task Risk Assessment (**TRA**), **Incident Command**, **Accident & Incident Investigation**, **Emergency Response Procedures**, Job Safety Analysis (**JSA**), Behavioural Based Safety (**BBS**), **Fall Protection**, **Work Permit & First Aid**, Lock-out/Tag-out (**LOTO**), **Emergency Response**, **Construction** Supervision, **Scaffolding** Inspection, **HAZCHEM**, Manual Material Handling, **Road Traffic** Supervision, ISO 9001 and OHSAS 18001.

During his career life, Mr. Tegman has gained his practical and field experience through his various significant positions and dedication as the **Operations Manager**, **Safety & Maintenance Manager**, **Safety Manager**, **Road/Traffic Supervisor**, **Assessor/Moderator**, **Safety Consultant**, **Safety Advisor**, **Safety Officer** and **Liaison Officer** from Zero Harm, SHRA Training & Services (Health & Safety), Road Crete, Balwin Property Development, DEME International, Gladstone Australia, Godavari Gas Pipeline and New Castle NCIG.

Course Program

The following program is planned for this course. However, the course instructor(s) may modify this program before or during the workshop for technical reasons with no prior notice to participants. Nevertheless, the course objectives will always be met:

Day 1

0730 – 0800	*Registration & Coffee*
0800 – 0815	*Welcome & Introduction*
0815 – 0830	***PRE-TEST***
0830 – 0930	***Science of Climate Change*** *Greenhouse Gas Effect & Global Warming • IPCC Findings & Scientific Consensus • Carbon Cycle & Anthropogenic Emissions • Physical Risks: Sea Level Rise, Extreme Weather*
0930 – 0945	*Break*

0945 – 1030	***Historical Evolution of Climate Policies*** *Kyoto Protocol & Paris Agreement • UNFCCC & COP Summits • Milestones in Global Climate Diplomacy • Key Players: EU, US, China, OPEC Countries*
1030 – 1130	***Climate Economics Fundamentals*** *Externalities & Market Failures • Social Cost of Carbon • Discounting Future Climate Impacts • Economic Rationale for Carbon Pricing*
1130 – 1215	***Global Energy Transitions & Trends*** *Energy Mix Evolution: Past to Present • Fossil Fuel Demand & Long-Term Projections • Role of Renewables, Nuclear & Hydrogen • Electrification & Energy Efficiency Trends*
1215 – 1230	*Break*
1230 – 1330	***Vulnerabilities of Petroleum & Energy Industry*** *Stranded Asset Risks • Fossil Fuel Subsidies Under Scrutiny • Public Opposition & Investor Activism • ESG-Related Funding Challenges*
1330 – 1420	***Role of Oil & Gas in Net-Zero Strategies*** *Net-Zero Pathways & Sectoral Carbon Budgets • Role of Gas as a Transition Fuel • Decarbonizing Upstream & Downstream Activities • Scope 1, 2 & 3 Emissions & Accountability*
1420 – 1430	***Recap*** *Using this Course Overview, the Instructor(s) will Brief Participants about the Topics that were Discussed Today and Advise Them of the Topics to be Discussed Tomorrow*
1430	*Lunch & End of Day One*

Day 2

0730 – 0830	***International Regulatory Mechanisms*** *Global Treaties & Protocols • Climate Commitments Under NDCs • Cross-Border Implications (CBAM, Trade Barriers) • Sector-Specific Emission Regulations*
0830 – 0930	***National Climate Policies & Strategies*** *US Inflation Reduction Act & CHIPS • EU Green Deal & Fit for 55 • China's Dual Carbon Goals • Middle East Decarbonization Strategies*
0930 – 0945	*Break*
0945 – 1100	***Carbon Pricing Mechanisms*** *Carbon Tax versus Emissions Trading Systems (ETS) • Design Features & Implementation Models • Global Trends & Price Benchmarks • Effectiveness & Equity Concerns*
1100 – 1215	***Fiscal Incentives & Green Subsidies*** *Tax Credits for Renewables & CCS • Subsidies for Electric Vehicles & Batteries • Feed-in Tariffs & Production Tax Credits • Budgetary Impact & Policy Efficiency*
1215 – 1230	*Break*
1230 – 1330	***Environmental, Social, & Governance (ESG) Regulation*** *Mandatory versus Voluntary Disclosure Frameworks • TCFD, ISSB & GRI Guidelines • SEC Climate Risk Disclosures • ESG Ratings & Their Implications for Capital*

1330 – 1420	***Legal & Liability Risks for Energy Companies*** *Climate Litigation & Class Actions • Greenwashing & Regulatory Scrutiny • Duty of Care & Fiduciary Responsibility • Risk Management & Insurance Implications*
1420 – 1430	***Recap*** *Using this Course Overview, the Instructor(s) will Brief Participants about the Topics that were Discussed Today and Advise Them of the Topics to be Discussed Tomorrow*
1430	*Lunch & End of Day Two*

Day 3

0730 – 0830	***Stakeholders in Climate Policy Arena*** *Governments, NGOs, & Civil Society • Private Sector & Industry Lobbies • Intergovernmental Organizations (UN, IEA, OPEC) • Role of Academia & Think Tanks*
0830 – 0930	***Energy Geopolitics & Climate Ambitions*** *Petro-Politics in Era of Decarbonization • Resource Nationalism versus Green Diplomacy • Global South versus Global North Agendas • Role of Critical Minerals (Lithium, Cobalt)*
0930 – 0945	*Break*
0945 – 1100	***Fossil Fuel Lobbying & Political Influence*** *Industry Tactics to Shape Climate Narratives • Political Campaign Financing & Policy Capture • Astroturfing & Misinformation Campaigns • Transition Risk Denialism*
1100 – 1215	***Just Transition & Social Equity*** *Principles of a Just Transition • Labor Displacement & Workforce Re-Skilling • Impacts on Developing Nations • Energy Justice & Affordability*
1215 – 1230	*Break*
1230 – 1330	***Public Opinion & Climate Activism*** *Role of Youth & Grassroots Movements • Media Influence on Public Perception • Divestment Campaigns & Boycotts • Changing Consumer Behavior*
1330 – 1420	***Global Inequality & Emissions Responsibility*** *Historical Emissions & Climate Reparations • Per Capita versus National Emissions Debates • Climate Finance & Adaptation Funds • Tensions in Climate Negotiations*
1420 – 1430	***Recap*** *Using this Course Overview, the Instructor(s) will Brief Participants about the Topics that were Discussed Today and Advise Them of the Topics to be Discussed Tomorrow*
1430	*Lunch & End of Day Three*

Day 4

0730 – 0830	***Physical & Transition Risks to Energy Business*** *Climate Risk Typology (Physical, Transition, Liability) • Regulatory & Market Risks • Supply Chain Disruptions • Scenario Analysis & Climate Stress Testing*
0830 – 0930	***Strategic Decarbonization in Oil & Gas*** *Scope 1 & 2 Emissions Reduction Measures • Methane Management & Flaring Elimination • Electrification of Operations • Digital Solutions for Emissions Tracking*
0930 – 0945	*Break*

0945 – 1100	***Business Models for Low-Carbon Transition*** *Portfolio Diversification into Renewables • Blue/Green Hydrogen & Ammonia • CCS/CCUS Projects in Petroleum Fields • Investing in Circular Economy Innovations*
1100 – 1215	***Climate-Aligned Investment & Finance*** *Sustainable Finance Principles • Green Bonds & Climate Funds • Role of Sovereign Wealth & Pension Funds • Climate Risk Integration in Financial Planning*
1215 – 1230	*Break*
1230 – 1330	***Corporate Climate Strategy & Governance*** *Net-Zero Target Setting & Credibility • Internal Carbon Pricing • Board-Level Climate Oversight • Climate Metrics & Remuneration Linkage*
1330 – 1420	***Innovation & Technology Roadmaps*** *Emerging Technologies: DAC, Bioenergy, Geothermal • AI & Machine Learning in Climate Modeling • Energy Storage & Grid Flexibility • Technology Readiness & Scaling Challenges*
1420 – 1430	***Recap*** *Using this Course Overview, the Instructor(s) will Brief Participants about the Topics that were Discussed Today and Advise Them of the Topics to be Discussed Tomorrow*
1430	*Lunch & End of Day Four*

Day 5

0730 – 0830	***Energy Scenarios & Climate Modeling*** *IEA NZE & Shell Sky Scenarios • IPCC SSPs & Regional Outcomes • Demand Forecasts Under Decarbonization • Implications for Fossil Fuel Projects*
0830 – 0930	***Climate Change Policy Case Studies*** *Norway: Balancing Oil with Sustainability • Saudi Arabia's Circular Carbon Economy • Canada's Carbon Pricing System • Nigeria & NDC Implementation*
0930 – 0945	*Break*
0945 – 1100	***Business Case Simulations & Analysis*** *Strategic Response to Carbon Taxes • Deciding Between Carbon Offsets vs Internal Abatement • Assessing Risk-Adjusted ROI for Green Investments • Climate Audit of a Hypothetical Portfolio*
1100 – 1230	***International Collaboration & Carbon Clubs*** *Climate Alliances & Sectoral Agreements • Cross-Border Carbon Adjustments (CBAM) • Technology Transfer & Capacity Building • Loss & Damage Financing Mechanisms*
1230 – 1245	*Break*
1245 – 1345	***Climate Diplomacy & COP Outcomes*** *COP28+ Review & Implementation Mechanisms • Climate Action Tracking & Accountability • Country Pledges versus Actual Emissions • Road to COP29 & Global Stocktake*
1345 – 1400	***Course Conclusion*** *Using this Course Overview, the Instructor(s) will Brief Participants about the Course Topics that were Covered During the Course*
1400 – 1415	***POST-TEST***
1415 – 1430	*Presentation of Course Certificates*
1430	*Lunch & End of Course*

Practical Sessions

This practical and highly-interactive course includes real-life case studies and exercises:-

Course Coordinator

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