Geopolitics of energy

ECTS : 6

Description du contenu de l'enseignement :

•This course explores the complex interplay between geopolitics and energy markets, examining how political, economic, and strategic factors influence the production, distribution, and consumption of energy resources globally.

•Students will gain insights into the dynamics of global energy markets, the role of key players, and the impact of geopolitical events on energy security, prices, and policies.

•The objective of the class will be to provide a global overview and understanding of the changing geopolitical landscape on the global energy scene. The course will address the geopolitical challenges of the energy transition, the dynamics and transition of the oil and gas sectors, the global governance of energy with a focus on regional energy and climate policies

The Geopolitical Landscape of Oil: Risks, Strategies, and Global Power Shifts
Analysis of how oil shapes global power dynamics, supply risks, and strategic interests.

Nuclear Power and Electricity
Exploration of nuclear energy's role in energy security, geopolitical tensions, and governance.

Energy Transition and Renewable Energies
Discussion on the geopolitical implications of the shift to renewables and energy independence.

Case Study: US
Examination of US energy policies, global influence, and market leadership.

Future Trends in Energy Geopolitics (Focus on Hydrogen)
Assessment of hydrogen's geopolitical role in the future energy landscape.

Compétence à acquérir :

By the end of this course, students will have developed the following skills:

1. **Geopolitical and Strategic Analysis**
    - Understand the geopolitical dynamics shaping global energy markets.
    - Assess the role of energy resources in international relations.
    - Analyze the impact of national and regional energy policies on global market stability.
2. **Energy Market Knowledge**
    - Evaluate supply and demand dynamics across different energy sources.
    - Understand the role of energy security in shaping political and economic decisions.
3. **Critical Thinking and Policy Assessment**
    - Examine geopolitical risks and their implications for energy investments.
    - Assess the effectiveness of energy transition strategies in different geopolitical contexts.
    - Compare and contrast policy approaches to energy security and sustainability.
4. **Data Analysis and Interpretation**

- Analyze case studies on energy crises, conflicts, and strategic alliances.

5. **Communication and Negotiation**

    - Develop the ability to articulate geopolitical and energy-related arguments effectively.
    - Engage in simulations and debates on energy diplomacy and international cooperation.
    - Present well-structured analyses on contemporary energy geopolitics issues.

Mode de contrôle des connaissances :

Individual assignment (60%): Students write policy briefs on contemporary energy issues, providing recommendations to specific stakeholders (e.g., governments, international organizations).