

2018-2019

Nom du cours / Name of the course:

Economics and Geopolitics of Energy

Enseignants/ Professors:

Marie-Claire AOUN – Sylvia BEYER

Marie-Claire AOUN is Head of the Institutional Relations department of Teréga, a gas transmission system and storage operator in France. She mainly deals with topics related to the legislative and regulatory framework having a direct or indirect impact on the gas markets in France and in Europe.

Between 2014 and 2017, she was the director of the Center for Energy at the French Institute for International Relations (Ifri). Main research areas: geopolitics of energy and climate, oil and gas markets, the EU energy security and the energy policies of hydrocarbons producing countries.

Between 2008 and beginning 2014, she served as policy officer/economist for the French energy regulator (Commission de Régulation de l'Énergie), where she contributed to the elaboration of key policy documents on the European gas markets and the implementation of the third energy legislative package.

Marie-Claire Aoun began her carrier in the energy sector in 2004 at the Center for Geopolitics of Energy and Raw Materials (CGEMP) at Paris Dauphine University. She holds a PhD in Economics from the same university and is the author of a thesis on the oil rent and the economic development of oil exporting countries.

She has been lecturing at Paris Dauphine University since 2010 and is the author of several articles on energy.

Sylvia Elisabeth Beyer, a German national, has been country desk officer in the IEA Country Studies Division since June 2012, managing the country reviews and bilateral collaboration with about 10 IEA member countries (Australia, Netherlands, Luxembourg, Germany, Canada, France, New Zealand, Greece, Turkey, European Union, UK and the United States). She is the coordinator of IEA multilateral engagement on G7 and G20.

Prior to her work at the IEA, she was policy officer at the European Commission DG Energy with focus on gas security, energy networks regulation, EU budget and EU energy policy. During 2006-2009, Sylvia worked as consultant, advising telecoms and energy network industry at APCO Worldwide and project assistant at the Union of Electricity Industry (Eurelectric) in Brussels.

Sylvia holds a diploma in economics and in culture and business administration (Diplom-Kulturwirtin, Diplom-Volkswirtin) from Passau University in Germany and a postgraduate master in European Studies from the College of Europe.

Contact de l'enseignants / Contact Information (Optional)

Email : marie-claire.aoun@terega.fr; Sylvia.beyer@iea.org

Langue d'enseignement / Language :

English

Overview and Course Objectives :

This course will aim at providing a broad overview of the geopolitical and economic challenges of the energy sector, in a context of significant changes on the international scene. The course will address the implementation of diverse energy policies at national levels, the progress of the energy transition dynamics, the evolution of the oil and gas markets, and the international energy governance trends.

Préquis / Prerequisites (optional)

NA

Objectifs du cours / Course Objectives:

After an introductory course on the global energy and environment stakes, the course will mainly focus on the geopolitical challenges in the oil and gas sectors, addressing the role of the main actors, the impact of the unconventional resources on the traditional hydrocarbons producers, the elaboration of national policies reflecting security of supply and energy transition. This course will also address the energy challenges from a regional and national perspective with a focus on the European energy policy, and the Australian energy policy. The final course will address the main development related to the international governance of energy and the role of the G20.

Mode d'évaluation / Mode of Assessment

The assessment is twofold:

- 25% of the grade is based on a presentation on a topic in relation to the course and on the quality of the participation to the class.
- 75% of the grade is based on a two-hour exam at the end of the seminar, with two questions (responses can be drafted in French or in English)

Planning / Course Schedule

1 (3 hours)	<p>Introduction on global energy landscape: by Marie-Claire Aoun and Sylvia Beyer</p> <ul style="list-style-type: none"> - World energy balance, diversity of national energy balances, dynamics of energy markets after COP21, what pace for energy transition, energy demand and supply, World Energy Outlook of the IEA, focus on energy challenges of oil and gas producing countries.
2 (3 hours)	<ul style="list-style-type: none"> - Geopolitics of oil, Marie-Claire Aoun: main actors, supply and demand dynamics on the short, medium and long term in the OECD and non OECD countries, role of OPEC, the oil rent and its distribution. - Presentations by the students on topics of course n°1
3 (3 hours)	<ul style="list-style-type: none"> - Geopolitics of natural gas, Marie-Claire Aoun: main actors, global demand and supply dynamics, the LNG market, the shale gas revolution and its impact on the USA, emergence of new actors on the world gas markets (East Africa, East Mediterranean countries, Australia...), role of gas in energy transition - Presentations by the students on topics of course n°2 (oil markets)
4 (3 hours)	<ul style="list-style-type: none"> - Regional focus: the European energy challenges, Marie-Claire Aoun: energy transition, security of supply, competitiveness, the Energy Union, legislative framework, relations with Russia, diversification of gas supplies (new corridors), PCI etc... - Presentations by the students on topics of course n°3 (Gas markets and EU)
5 (3 hours)	<ul style="list-style-type: none"> - LNG markets (Sylvia Beyer): Case study on Australia/LNG gas security - Presentations by the students on topics of course n°4 (Gas markets and EU)
6 (3 hours)	<ul style="list-style-type: none"> - International energy governance and the role of the G20 (Sylvia Beyer) - Presentations by the students on international energy governance.

Bibliographie / Readings:

- International Energy Agency publications (WEO)
- BP Statistical review
- International organisations website: IRENA, World Bank, IMF etc...
- Think tanks: Ifri, Oxford Institute for energy studies, World Resources Institute, etc...
- References on specific topics will be provided during the courses

MyCourse

This course is on MyCourse : **No**

Grading

The numerical grade distribution will dictate the final grade, according to the faculty's recommended grade distribution.

Class participation: Active class participation – this is what makes classes lively and instructive. Come on time and prepared. Class participation is based on quality of comments, not quantity.

Exam policy: In the exam, students will not be allowed to bring any document (except if allowed by the lecturer). Unexcused absences from exams or failure to submit cases will result in zero grades in the calculation of numerical averages. Exams are collected at the end of examination periods.

Academic integrity

Soyez conscient des règles de l'Université Paris Dauphine sur le plagiat et la triche aux examens. Be aware of the rules in Université Paris dauphine about plagiarism and cheating during exams. All work turned in for this course must be your own work, or that of your own group. Working as part of a group implies that you are an active participant and fully contributed to the output produced by that group. When you use the web, please state your sources.