

# 3794 Climate Change and Electricity Trade

Professor Petri Mäntysaari



## *The perspective*

Climate change and sustainable energy belong to the biggest challenges of humankind. We obviously should do something about them in the EU.

The values of Western liberal democracies include the rule of law. We use law to fight climate change and create sustainable energy.

What we in the civilised world do is use regulation (by states) as well as technology and business models (by firms) to increase energy efficiency and the use of renewable energy sources. In practice, this means increased reliance on electrification.



Such aspects are connected on this commercial law course.

On one hand, the course discusses regulation designed to address climate change.

On the other, it tries to understand the impact of regulation on firms and their new business opportunities.

This means that the course has a connection to business strategy. The course will also a wide range of electricity trade.



# *Lectures*

There will be about 10-11 written lectures about large topics in this area. Since this really is a very difficult area, you will not see me lecturing on videos. You will need to read and think a bit.

In particular, you will need to read the lectures and follow the instructions in each lecture. The lectures are combined with other readings and simple questions or exercises that you can do yourself. But I will add links to some entertaining stuff.

Because of the very fast development of this area, I will be updating all lectures during the course. I will also add new materials. However, the course basically is the same as the period 2 course that was updated quite extensively.



I am planning to upload appr. 3 lectures per week to keep the momentum going.



## *The rough topics*

- Setting the scene. Climate change goals.
- Carbon markets and other ways to reach the goals.
- Electricity wholesale markets.
- Corp. strategies, business models and long-term supply contracts in electricity markets.
- Electricity spot markets, balancing and transmission.  
Electricity financial markets.
- Energy efficiency, generation, buildings.
- Electricity storage, hydrogen.
- Mobility.



## *Term paper*

When all the lectures are in place, I will tell you more about a term paper. There will be no exam, just one term paper. No retake. You will have plenty of time to write the term paper!

What you should do now is study the lectures that I will upload at a steady pace. Reading all lectures will help you write the term paper.

Thank you for taking this course!