



# European and International Energy Law

One-year Master's Degree Course (MBL)  
Taught in English  
Berlin, Germany



# Welcome to Technische Universität Berlin

Dear Students,

Welcome to the internationally renowned Technische Universität Berlin located in Germany's capital city at the heart of Europe. I am most delighted that you have chosen our institution for your master's degree.

With over 30.000 students, TU Berlin is one of the largest universities of technology in Germany. One of our most important tasks is to prepare our students for the challenges they will face in the future.

The Master program "European and International Energy Law" focuses on the technical, economic and legal principles related to gas and power markets. The program will provide you with basic knowledge and skills connecting theory, research and practice. For these educational objectives, the EUREF Campus of TU Berlin offers an inspiring atmosphere and a great number of outstanding scientific events.

With this brochure, we would like to help you in getting started at TU Berlin. You will find an introduction to the Master program as well as helpful links and contact details. For further information, please do not hesitate to contact our team of the Academic Advisory and Examination Office. They are here to assist you with all the necessary formalities.

I wish you a motivating and successful time at our university.

**Prof. Dr. Christian Thomsen**  
President



## Introduction

Dear Students,

The Master program “European and International Energy Law” gives young professionals with a legal or economic background the opportunity to gain in-depth knowledge about the regulation of energy infrastructure and energy markets.

The focus is on the transition of a fossil energy market to an energy market based on renewable energy sources with an optimal reduction of CO<sub>2</sub>. The degree can be attained in one year as a full-time program.

The program is based on a learning concept that combines traditional “in-class” teaching on Thursdays and Fridays with various excursions and independent study. Students will not only be instructed by professors of law and economics, but also by specialized legal practitioners from competition and regulatory authorities, law firms and businesses with a great deal of case experience. All courses are held in English.

I warmly welcome you to the master program and wish you an inspiring and rewarding time with students from all over the world in Berlin’s cosmopolitan atmosphere.



**Prof. Dr. Dr. Dres. h.c. Franz Jürgen Säcker**  
Academic Director



## **Study Energy Law with the Experts**

### **Get in touch with the latest trends in the energy sector**

The master program “European and International Energy Law” is held under the direction of Professor Dr. iur. Dr. rer. pol. Franz Jürgen Säcker, a leading expert on the regulation of energy infrastructure and markets in Europe.

His main research areas include the advancement of competition in the European energy markets and the development of the energy sector in an era of ever greater reliance on renewable energy (‘Energiewende’). Research activities focus on German and European regulatory law and policy; energy efficiency and climate change law; energy contract law and consumer protection law; and antitrust law in the electricity and gas markets.

The legal challenges arising from Germany’s ‘Energiewende’ and its effects on competition in energy markets is an area of intense study. Current research projects deal with the further development of support schemes for renewable energies, the introduction of tendering processes to the German Renewable Energy Act (EEG), and the evaluation of future amendments to the German Energy Act (EnWG) as well as to relevant implementing acts like the Incentive Regulation Ordinance (‘Anreizregulierungsverordnung’, ARegV).

Professor Säcker also publishes large-scale commentaries and handbooks on energy and regulatory law. The “Berliner Kommentar zum Energierecht” (Berlin Commentary on Energy Law), first published in 2004, has become a standard reference work and today encompasses six volumes. The “Handbuch zum deutsch-russischen Energierecht” (German-Russian Handbook on Energy Law), published in 2010, is the result of five years of close cooperation with Russian universities.



## The Course Program and Structure

### Benefit from a varied and practice-oriented curriculum

The Master in European and International Energy Law (MBL Energy) is a one-year postgraduate program focusing on the regulation of energy markets in Europe.

The MBL Energy is one of the first programs worldwide with a clear focus on energy and regulatory law. Students gain specialized skills and knowledge that reach far beyond the basics of energy law, enabling them to pursue successful careers in the energy industry, law firms and regulatory authorities.

With energy regulation being a particularly complex and dynamic area of law, the MBL curriculum is continually added to in order to reflect the latest research. More recent developments such as the ongoing digitalization of energy markets, the growth of renewable energy schemes and the progression of the European energy transition are essential components of students' learning experience.



The curriculum of the MBL Energy is completed by informative excursions which are intended to solidify students' understanding of the respective module and to provide insight into the practical application of the course content.

Our visits typically include gas and energy intensive undertakings, a manufacturer of renewable energy systems, TSO and DSO service providers as well as EEX, Europe's leading energy exchange.

# Module Description

## Module 1: Legal Framework for the Functioning of Energy Markets

The module is designed as an introduction to the structure and methodology of European and international energy law. Students are provided with the necessary understanding of the European and international dimension of energy law and learn about the fundamental principles that influence the development and application of energy law in Europe. The harmonization of energy security and CO<sub>2</sub> reduction through renewable energy resources (RES) is the most important goal of the energy transition policy in the EU (“Clean Energy for all Europeans”).

Students become acquainted with the EU's Single Market and study the important role of fundamental freedoms as a prerequisite for a well-functioning European energy market. Furthermore, they learn about the development of European energy law as a sector-specific application of regulatory and competition law. For this purpose, students explore the theoretical concepts of EU competition and state aid law and apply their knowledge to cases.

## Module 2: Economic Fundamentals of Regulatory Law

The module provides a general introduction to economics and the theoretical foundations of regulatory law, which is specifically tailored to the needs of energy law students. They learn about fundamental concepts such as the theory of natural monopolies and are provided with the necessary knowledge to understand how the energy sector works. Special emphasis is given to recent developments such as Germany's ‘Energiewende’. This way, students learn to analyze energy law provisions in an economic context.

## Module 3: Regulatory Law

By comparing the law of the EU and its Member States with the law of other countries with close ties to the European energy markets such as Norway, Switzerland and Russia, this module explores the fundamental principles of infrastructure and network regulation. Students learn about the commonalities of competition law and the law of public utilities and study the structure and core concepts of energy infrastructure regulation like third-party access, regulation of grid charges, and unbundling in depth.

#### **Module 4: Technical Fundamentals and Related Legal Provisions for Electricity Generation**

The module focuses on the legal framework for electricity generation – the first stage of the electricity value chain. It starts with an introduction to the technical and economic background of electricity generation, acquainting students with technologies like renewable energy, combined heat and power and carbon capture and storage.

Students learn about planning and permitting procedures as well as environmental law issues (CO<sub>2</sub> reduction). Furthermore, they explore the EU and international law foundations of emissions trading and familiarize themselves with support schemes for electricity generation from renewable energy in Germany and other European countries.

#### **Module 5: Legal Framework for Transmission and Distribution Networks (TSO & DSO)**

The module deals with the legal framework that applies to the construction and operation of electricity and gas grids in Europe. Students explore the liberalization of energy markets since the 1990s and study its main ideas.

Grid access, regulation of grid charges and grid connection regimes for offshore wind farms are explored in detail, for example in case studies. Furthermore, the module introduces students to the recent debate on network development and familiarizes them with its legal challenges. Finally, students learn about the importance of network security and the legal obligations of system operators in this regard.

#### **Module 6: Legal Framework for Energy Trading and Supply**

The module addresses energy wholesale trading and introduces students to the final stage of the value chain: electricity and gas supply. In view of the growing digitalization of energy markets, students will also become familiar with the latest developments on blockchain technologies and how these affect energy trading and supply.

Students learn about the functioning of energy exchanges as well as the importance of bilateral contracts. In practical exercises, students become acquainted with the different kinds of energy products and explore how to negotiate and draft electricity and gas supply contracts, inter alia. Finally, students are taught about the external energy relations of the EU and their importance for security of supply.

# Schedule

## Semester I

### Legal Framework for the Functioning of Energy Markets

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Module 1

#### Themes:

- Introduction to the Law of the European Energy Union
- Introduction to the Methodology of European Law; Fundamentals of European Law; Market Freedoms
- Competition Law
- European State Aid Law
- International Energy Investment Law
- The energy sector and international law
- Excursion

**Examination:** Paper (10 pages)

### Economic Fundamentals of Regulatory Law

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Module 2

#### Themes:

- Introduction to Economic Principles of Regulation
- Deepening of students' knowledge with case studies
- Economic Fundamentals of Regulatory Law
- Excursion

**Examination:** Exam

### Regulatory Law

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Module 3

#### Themes:

- From Competition Law to Regulatory Law
- Completing the European Internal Energy Market
- Introduction to Swiss, Russian, Chinese and US Energy Law

**Examination:** Paper (10 pages)

### Technical Fundamentals and Related Legal Provisions for Electricity Generation

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Module 4

#### Themes:

- Technical Foundations for Energy Generation and Supply
- Legal framework for renewable energy plants and combined heat and power production
- The authorization procedure for energy plants
- EU renewable energy law and climate change aspects (CO<sub>2</sub> reduction)
- Emission Trading Systems
- Excursion

**Examination:** Exam



## Semester II

### Legal Framework for Transmission and Distribution Networks (TSO & DSO)

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Module 5

#### Themes:

- EU Infrastructure Regulation
- Network development and market integration
- Operation of electricity networks and infrastructure convergence
- Product liability law related to energy industries
- Grid regulation
- Excursion

**Examination:** Oral reports

### Legal Framework for Energy Trading and Supply

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Module 6

#### Themes:

- Energy Trade Law
- Energy Supply Contracts
- Digitalization of energy markets
- International energy law
- European energy policy in an international context
- Gas supply to the European Union
- Excursion

**Examination:** Paper (10 pages)

### Master's Thesis

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Working independently under supervision of faculty members, students write a final thesis to scientific standards on a subject they choose in close cooperation with faculty. This phase of the program assures a swift integration with the energy sector proper.

## Lecturers

Lecturers who will teach the program:

<b>Michael Albers</b>	Former Hearing Officer for Competition Cases, European Commission, Brussels
<b>Agnieszka Ason</b>	Visiting Research Fellow, Oxford Institute for Energy Studies, Oxford
<b>Dr. Dirk Böhler, LL.M.</b>	Attorney on Environmental Law, private practice, Berlin
<b>Christian Cleutinx</b>	Associate Fellow, Clingendael International Energy Programme, The Hague
<b>Dr. Christian Hampel</b>	Attorney of Law, Ernst & Young GmbH, Berlin
<b>Prof. Dr. Andreas Heinemann</b>	Chair for Trade Law, Economic Law and European Law, University of Zurich
<b>Prof. Dr. Steffen Hindelang</b>	Professor with special responsibilities, University of Southern Denmark, Odense
<b>Peter Hohaus</b>	Deputy Manager, Uniper SE, Berlin
<b>Steffen Knepper</b>	Director, Baker Tilly, Düsseldorf
<b>Dr. Oliver Koch</b>	Deputy Head of Wholesale Markets Electricity & Gas, DG Energy, European Commission, Brussels
<b>Dr. Carsten König, LL.M.</b>	Postdoctoral researcher at the Chair for Civil Law, Competition Law, Regulatory Law, Law of the Digital Economy, University of Cologne
<b>Prof. Dr. Torsten Körber, LL.M.</b>	Chair for Civil Law, Competition Law, Regulatory Law, Law of the Digital Economy, University of Cologne
<b>Dr. Matthias Lang</b>	Partner, Bird & Bird LLP, Düsseldorf
<b>Dr. Jörg Meinzenbach, LL.M.</b>	Attorney of Law, Hengeler Mueller, Düsseldorf
<b>Prof. Dr. Antonis Metaxas</b>	Managing Partner, Metaxas & Associates Law Firm, Athens
<b>Prof. Dr. Joachim Müller-Kirchenbauer</b>	Professor for Management of Energy and Resources, School for Technology and Management, Faculty for Economics and Management of Technical University Berlin
<b>Dr. Nino Kobadze</b>	Associate, Freshfields Bruckhaus Deringer, Berlin
<b>Dr.-Ing. Matthias Müller-Mienack</b>	Technical Head, GridLab GmbH, Frankfurt
<b>Arne Riedel, LL.M.</b>	Fellow at Ecologic Institute, Berlin
<b>Dr. Anna Samsel van Haasteren</b>	Deputy Head of Unit, DG Competition, European Commission, Brussels
<b>Dr. Jan Peter Sasse</b>	Division Economic Policy Issues, Federal Network Agency, Bonn

<b>Tibor Scharf</b>	Member of legal service at European Commission, Brussels
<b>Prof. Dr. Lydia Scholz</b>	Professor for Economic Law, Hochschule Bremen (City University of Applied Sciences)
<b>Dr. Ansgar Schönborn, LL.M.</b>	Corporate & Antitrust, M&A Legal at Axel Springer SE, Berlin
<b>Prof. Dr. Ulrich Schwalbe</b>	Head of Department of Microeconomics and Industrial Organization, University Hohenheim
<b>Ana Stanic</b>	Solicitor Advocate, E&A Law, London
<b>Prof. Dr. Dirk Uwer</b>	Partner, Hengeler Mueller, Düsseldorf
<b>Kasper Walet</b>	Founding Partner, AI Energizer, Haarlem
<b>Dr. Martin Weitenberg</b>	Counsel, Clifford Chance, Düsseldorf
<b>Dr. Susanne Wende, LL.M.</b>	Associated Partner, Noerr LLP, Munich
<b>Lars Zeigermann</b>	Research Associate, Düsseldorf Institute for Competition Economics (DICE)
<b>Dr. Daniel Zimmer</b>	Counsel, Hengeler Mueller, Düsseldorf
<b>Tilo Zimmermann</b>	Managing Director, PONTON, Hamburg

## **Academic Direction and Master Course Team**

### **Academic Director:**

Prof. Dr. Dr. Dres. h.c. Franz Jürgen Säcker Hon.Ph.D.(PCCC)

### **Supervisor:**

Sandra Lubahn

### **Academic Coordinator:**

Thekla Hillebrecht, LL.M.

## Cooperation with Experts

The master program is supported by a scientific advisory board consisting of well-acknowledged experts from international law firms, the energy industry, national competition and regulatory authorities as well as the European Commission.

<b>Michael Albers</b>	former Hearing Officer, European Commission
<b>Agnieszka Ason</b>	Visiting Research Fellow, Oxford Institute for Energy Studies
<b>Prof. Dr. Carl Baudenbacher</b>	former President, EFTA Court
<b>Dr. Ingo Brinker, LL.M.</b>	Partner, Gleiss Lutz
<b>Christian Cleutinx</b>	former Commissioner, European Commission
<b>Dr. Marc Gabriel, LL.M.</b>	Partner, Baker & McKenzie
<b>Dr. Annegret Groebel</b>	Head of Department, Federal Network Agency
<b>Jochen Homann</b>	President, Federal Network Agency
<b>Prof. Dr. Hui Huang</b>	Professor of Law, Peking University School of Transnational Law
<b>Dr. Oliver Koch</b>	Deputy Head of Unit, DG Energy, European Commission
<b>Prof. Dr. Torsten Körber, LL.M.</b>	Chair for Civil Law, Competition Law, Regulatory Law, Law of the Digital Economy, University of Cologne
<b>Prof. Dr. Jürgen Kühling, LL.M.</b>	Chair for Public Law, Real Estate Law, Infrastructure Law and Information Law, University of Regensburg
<b>Xiaofei Mao</b>	Research Fellow, Institute of Law and Institute of International Law, Chinese Academy of Social Sciences, Peking
<b>Dr. Jörg Meinenbach, LL.M.</b>	Counsel, Hengeler Mueller
<b>Dr. Frank Montag</b>	Partner, Freshfields Bruckhaus Deringer LLP
<b>Andreas Mundt</b>	President, Bundeskartellamt
<b>Dr. Andreas Rosenfeld</b>	Partner, Redeker Sellner Dahs
<b>Dr. Anna Samsel van Haasteren</b>	Deputy Head of Unit, DG Competition, European Commission
<b>Dr. Horst Satzky</b>	Managing Member of the Executive Board, Research Institute for Economy and Competition (FIW)
<b>Dr. Jan Peter Sasse</b>	Division Economic Policy Issues, Federal Network Agency
<b>Tibor Scharf</b>	Member of Legal Service, European Commission
<b>Dr. Boris Scholtka</b>	Partner, PwC Legal
<b>Prof. Dr. Lydia Scholz</b>	Professor, Hochschule Bremen (City University of Applied Sciences)
<b>Prof. Dr. Ulrich Schwalbe</b>	Head of Department, Interdisciplinary Research Center for Competition Policy and Competition Law, University Hohenheim
<b>Ana Stanic</b>	Solicitor Advocate and Founder, E&A Law

## Application for the Master Program

The application deadline is April 30th of each year for a start in October of the same year.

The following documents are required:

- Motivation letter in English (max. 1 page A4)
- Tabular CV (with information about educational and professional background)
- University degree recognized by German universities (at least 240 ECTS)
- Proof of working experience of at least one year (preferably in the relevant working Areas of energy) after completion of the studies
- Proof of knowledge of the English language at Level B2 (or higher) of the Common European Framework of Reference for Languages (CEFR) (not required for high School graduation in English)
- Further documents such as references may be submitted

You can find more information about the application procedure online on our website:

**[www.master-in-energy.com](http://www.master-in-energy.com)**

The number of students is limited to 30 per year. An admission committee will decide about selection based on results of former studies, the study profile, and further relevant qualifications that were attained outside university.

You can send your application via the website, via email, or via postal service.

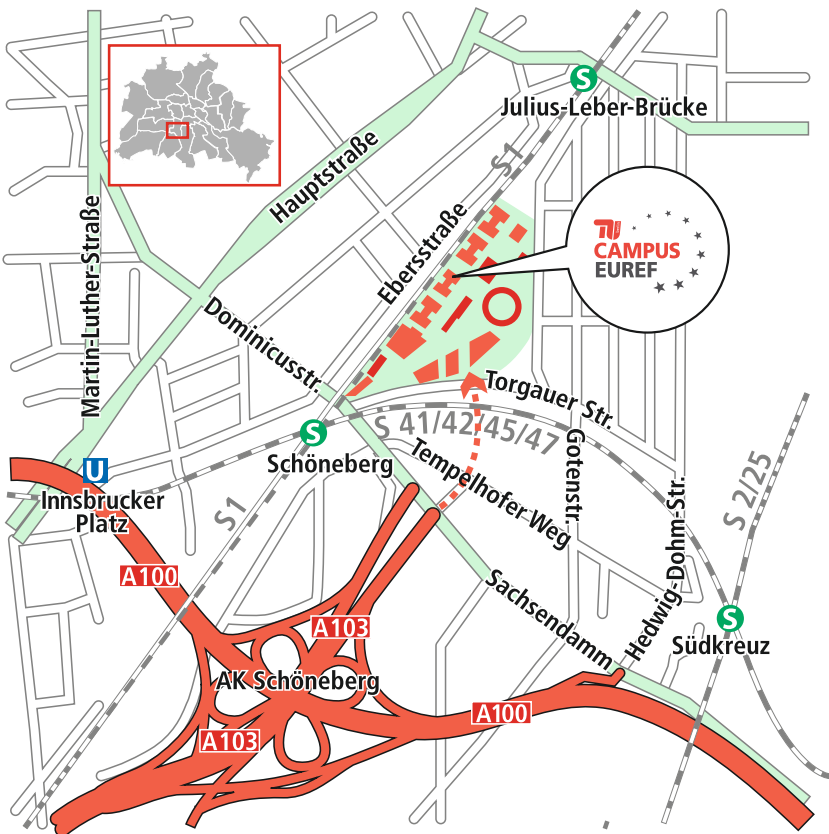
If you have any questions, please contact us at [contact@law.tu-berlin.de](mailto:contact@law.tu-berlin.de) or [contact@master-in-energy.com](mailto:contact@master-in-energy.com).



## The EUREF-Campus

The study location is on the site of the European Energy Forum (EUREF) around the historical Gasometer in Berlin-Schöneberg. The Campus is the setting of an innovative community including applied research, economic and policy consultancies mainly based on the philosophy of sustainability.

Students who are the future mobility experts learn in close cooperation with leading enterprises and institutions located on the EUREF-Campus to become acquainted also with practical projects in the field of energy, infrastructure and mobility.



## **Imprint**

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