



Master in European and International Energy Law
One-year degree program taught in English
in Berlin

Welcome to Technische Universität Berlin

TU Berlin – Paving the way to the future

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 more than 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. The EUREF Campus of TU Berlin offers an inspiring atmosphere and a great number of outstanding academic events to achieve these educational objectives.

This brochure will help you to get started at TU Berlin. It contains an introduction to the master program as well as helpful links and contact details. The Academic Advisory and Examination Office team is glad to assist you with any upcoming questions, particularly regarding all 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 to enhance their professional skills. 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 flair.



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 Institute for Energy and Regulatory Law Berlin (enreg) conducts intensive research on the regulation of energy infrastructure and markets in Europe, and significantly contributes to the development of energy law. It was founded as the Centre for Antitrust Law in 1986 and operates as a non-profit association under private law.

The institute's 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 energy industry. Telecommunication and railway regulation have been a further focus since 1999; the law governing water supply since 2008. Developing general principles for the regulation of network industries in line with the fundamental ideas of European competition law is the institute's goal.

The institute promotes the publication of large-scale commentaries and handbooks on energy and regulatory law. The "Berliner Kommentar zum Energierecht" (Berlin Commentary on Energy Law), first published in 2004, quickly grew to encompass multiple volumes. Over 80 authors contributed to its current third edition, which was published in 2014. 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 institute also promotes the distribution of doctoral dissertations in its series of monographs published by the Peter Lang publishing company.

An example of one of the institute's latest research activities is a study on the development of an offshore electricity grid in the North Sea. The study, which was published in 2014, found that various amendments to the current legal framework are necessary to promote the expansion of an integrated grid infrastructure in the North Sea that could strongly contribute to the EU's objectives of increasing offshore electricity generation, completing the internal energy market and ensuring high security of supply.

The legal challenges arising from Germany's 'Energiewende' and its effects on competition in energy markets will be an area of intense study for the institute in the future. Research projects deal with the further development of support schemes for renewable energies and their compatibility with EU internal market law, 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).

The course program and structure

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.

Module descriptions

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. 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 antitrust and state aid law and apply their knowledge to cases.

Module 2: Economic foundations 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 like 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 like Germany's 'Energiewende'. This way, students learn to set energy law into an economic context and take this as a basis for interpreting legal provisions.

Module 3: Introduction to 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 like Norway, Switzerland and Russia, this module explores the fundamental principles of infrastructure 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 legal framework 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. 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: The legal framework for grid operation

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 unbundling 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: The legal framework for energy trade and supply

The module addresses energy wholesale trading and introduces students to the final stage of the value chain: electricity and gas supply. They 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.



Cooperation with experts

The master program “European and International Energy Law” 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.

- **Prof. Dr. Carl Baudenbacher**, President of the EFTA Court
- **Dr. Ingo Brinker**, LL.M., Gleiss Lutz
- **Dr. Eckhard Bremer**, LL.M., Hogan Lovells LLP
- **Dr. Marc Gabriel**, LL.M., Baker & McKenzie
- **Dr. Andreas Hahn**, Oppenländer Rechtsanwälte
- **Dr. Börn C. Heinlein**, Clifford Chance Deutschland LLP
- **Jochen Homann**, President of the German Federal Network Agency
- **Dr. Oliver Koch**, European Commission, Deputy Head of Unit, DG Energy
- **Dr. Bernd Langeheine**, European Commission, Former Deputy Director-General, DG Comp.
- **Philip Lowe**, Non-Executive Director of the UK Competition and Markets Authority Board
- **Dr. Claudia Mayfeld**, RWE Deutschland AG
- **Dr. Andreas Metzenthin**, Vattenfall Europe AG
- **Dr. Frank Montag**, Freshfields Bruckhaus Deringer LLP
- **Marianne Motherby**, Deutsche Bahn AG
- **Andreas Mundt**, President of the German Bundeskartellamt
- **Dr. Kai Uwe Pritzsche**, LL.M., Linklaters LLP
- **Dr. Andreas Rosenfeld**, Redeker Sellner Dahs
- **Dr. Peter Rosin**, White & Case LLP
- **Dr. Anna Samsel van Haasteren**, European Commission, DG Competition
- **Dr. Horst Satzky**, Member of the board of directors at FIW
- **Prof. Dr. Dirk Schroeder**, Cleary Gottlieb Steen & Hamilton LLP
- **Dr. Michael Schütte**, Attorney at law, Schuette Law SPRL
- **Michael Stephan**, GDF Suez Energie Deutschland AG
- **Dr. Kathrin Westermann**, Noerr LLP
- **Dr. Jörg Witting**, Bird & Bird LLP



Schedule

Semester I

Module	Themes
1. Legal framework for the functioning of energy markets	<ul style="list-style-type: none">• Introduction to the law of the European Internal Energy Market• Introduction to the methodology of European law / fundamentals of European law; market freedoms; competition law• European competition law and its application to the energy sector• European state aid law• The energy sector and international law <i>Excursion to an energy intensive undertaking</i> Paper
2. Economic foundations of regulatory law	<ul style="list-style-type: none">• Introduction to economics• Repetition with case studies• Economic fundamentals of infrastructures• The economic and ecological concept of energy transition ('Energiewende') Exam
3. Introduction to regulatory law	<ul style="list-style-type: none">• From competition law to regulatory law• The liberalization of energy markets in Europe• The EU legal framework for infrastructure regulation• Completing the European Internal Energy Market• Introduction to Norwegian, Chinese and Russian energy law Exam

Module	Theme
4. Technical fundamentals and legal framework for electricity generation	<ul style="list-style-type: none"> • The authorization procedure for energy plants (IPPC-Directive, environmental law) • Product liability law related to energy industries • Legal framework for renewable energy plants and combined heat and power production • EU renewable energy law and climate change aspects • Emissions trading • Natural monopolies, licenses <p><i>Excursion to a power plant</i></p> <p>Report on excursion</p>

Semester II

5. The legal framework for grid operation	<ul style="list-style-type: none"> • Technical requirements for electricity and gas network operation • System responsibility of transmission system operators and integration of renewable energies • Regulatory regimes and energy management • Unbundling regimes • The regulation of grid access charges • Network development planning <p><i>Excursion to a TSO</i></p> <p>Paper</p>
6. The legal framework for energy trade and supply	<ul style="list-style-type: none"> • Introduction to the drafting of contracts and to successful negotiation • Electricity supply contracts • European and international law and energy law • Energy trade law (international energy trade law, trade of certificates and energy-related products) • Gas supply relationship EU-Russia <p><i>Excursion EEX</i></p> <p>Paper</p>

Master thesis

Lecturers

Christian Cleutinx	Clingendael International Energy Programme, The Hague
Dr. Thomas Dörmer, LL.M.	Taylor Wessing LLP
Dr. Gisela Drozella	Vattenfall GmbH
Dr. Oliver Franz	RWE Deutschland AG
Dr. Christian Hampel	Attorney of Law, Ernst & Young GmbH
Prof. Dr. Andreas Heinemann	University of Zurich
Dr. Björn Heinlein	Attorney of Law, Clifford Chance
Dr. Natalia Hohaus	Russian lecturer, Institute for Energy and Regulatory Law Berlin
Peter Hohaus	E.ON SE
Prof. Dr. Bernd Holznagel	Institute for Information, Telecommunications and Media Law, University Muenster
Dr. Oliver Koch	DG Competition, European Commission, Brussels
Prof. Dr. Torsten Körber, LL.M.	Director of the Institute for Business and Commercial Law, University Goettingen
Ulrich von Koppenfels	Case officer, DG Competition, EC, Brussels
Xiaofei Mao	Chinese Academy of Social Science (CSS)
Dr. Jörg Meinzenbach, LL.M.	Attorney of Law, HengelerMueller
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Prof. Dr. Joachim Müller-Kirchenbauer	Institute of Petroleum Engineering, Clausthal University of Technology
Dr.-Ing. Matthias Müller-Mienack	Technical Head, GridLab GmbH
Dr. Anke Reimers	Vattenfall GmbH
Dr. Jan Peter Sasse	Federal Network Agency
Dr. Tibor Scharf	CFSP and External relations, European Commission, Brussels
Prof. Dr. Lydia Scholz	Hochschule Bremen (University of Applied Sciences)
Dr. Ansgar Schönborn, LL.M.	Corporate Legal, Axel Springer AG
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Thea Bygjordet Sveen	Scandinavian Institute of Maritime Law, University of Oslo
Prof. Dr. Peter-Tobias Stoll	Public and International Commercial Law, University Goettingen
Dr. Anna Samsel van Haasteren	DG Competition, European Commission, Brussels
Dr. Susanne Wende	Attorney of Law, Noerr LLP

Application for the master program

Application requirements are listed on our website at www.master-in-energy.com.

If you have any questions please contact us at energymaster@enreg.eu.



Academic direction and master course team

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