Dear students,

Management decisions in the energy sector require a profound understanding of the sector’s technical, economic, legal, and entrepreneurial peculiarities. Climate and economic changes, controversial opinions, technological progress as well as regulation shape and limit the entrepreneurial room, but also offer chances and opportunities. The industry, therefore, requires broadly skilled individuals who are experts in the field.

We are delighted to welcome you to this exciting TU program, where faculty and industry experts convey the latest scientific and practical insights the field, discuss today’s challenges, and prepare students for leading roles in shaping the industry, and society, for the future ahead.

Prof. Dr.-Ing. Joachim MÜLLER-KIRCHENBAUER
Academic Director

Sarah DREWNING
Academic Coordinator

Lennart EHRL
Academic Coordinator

Sandra LUBAHN
Manager
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Overview
The Energy Management Team

Prof. Dr.-Ing. Joachim MÜLLER-KIRCHENBAUER
Academic Director MBA Energy Management
Professor for Management of Energy and Resources,
School for Technology and Management,
Faculty for Economics and Management of
Technical University Berlin
https://www.er.tu-berlin.de/

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Lennart Ehrl, M.Sc., M.A.
Academic Coordinator
lennart.ehrl@campus.tu-berlin.de

Sandra Lubahn
Administrative Manager
sandra.lubahn@campus.tu-berlin.de
The master program is taught over a period of three semesters. The first semester covers the technical, economic, entrepreneurial and legal foundations for management decisions in the energy sector; the second semester deepens this view and looks at business practices, primarily of grid-based utilities, and investment; the third semester broadens the view while simultaneously focusing on practice according to student’s individual interests. All semesters include lectures, tutorials, seminars as well as Company Visits, online materials related to practice and extracurricular activities. The master thesis due in the third semester concludes the program.
Outline

Location and Times
Unless otherwise announced, lectures, tutorials, consultancy and peer group meetings take place at House 9, EUREF-Campus, 10829 Berlin, room S5.

Lectures
Lectures are held by professors and academic staff of TU Berlin and other universities, and by professionals of the energy industry. They convey the core teachings. Group work is frequent. Homework may be assigned. Lectures start on time!

Fridays
9.30 am - 1.00 pm
2.15 pm - 5.00 pm

Saturdays
9.30 am - 1.00 pm
2.15 pm - 5.00 pm

Tutorials / Company Visits

Tutorials
8.00 am - 12.00 am

Company Visits
2 pm – 4 pm or Day Trip

Tutorials are mostly held by research associates and assistants of the respective chairs. Of a generally more interactive nature, they repeat lecture material, supply supportive information, offer additional training, and help prepare for lectures, tasks and exams.

Company Visits/Presentations are regularly scheduled on Wednesdays or Thursdays. Company Presentations take place on EUREF Campus, House 9, Room S5, whereas Company Visits give the opportunity to go and see the company on-site and see course-content more lively presented. Registration before attendance may be required.

German for Beginners Class

Mondays & Tuesdays
9:30 am – 12:30 pm & 12:30 pm – 15:30 pm

Language classes incur a small additional fee. Advanced language classes are available, for which the taking of a test is mandatory.

E-Learning Platform ‘Moodle’ and WirelessLAN

Information System for Instructors and Students (ISIS)/Moodle is a software for online learning platforms for announcements, distribution of material, registration to events, etc. An introduction will be given in the first week. Please log on frequently, even in lecture free times. The TU Berlin offers WirelessLAN (WLAN) with full coverage across its campus. Students have the possibility to access the internet from any point on the campus.

Exams
A written (e-) exam, paper, presentation, or portfolio concludes each module. Everything that was taught in the lectures, tutorials, and compulsory Company Visits within the module may be subject to examination. Exams start on time! A failed examination may be repeated twice. For further details, please refer to the official Study and Examination Regulation.
First Semester

2017 - 18
EUREF Master Programs Opening

October 9th 2017, 4pm-7pm
House 9, EUREF Campus, 10829 Berlin

Welcome Addresses
Team Introduction
Music, Refreshments

Orientation Week

October 10th–12th 2017

Campus Tour
Ice Breakers
Administrative Duties

MBA Program First Lecture

October 13th 2017, 9:30am–5pm
Module 01 Technology

Prof. Dr.-Ing. Joachim MÜLLER-KIRCHENBAUER
Academic Director
Institute Technologie und Management (ITM)
Faculty Wirtschaft und Management
sec. FH 5-3, Room FH 503
Fraunhoferstraße 33-36, 10587 Berlin
+49 (0) 30 314-23214
energymanagement@master.tu-berlin.de

Aims and Scope
This module repeats and deepens students’ knowledge of energy technologies and systems in the framework of today’s changing world, laying the technical foundations for the coming modules. It runs in parallel to module 2, Economic Fundamentals.

Times and Place
Lectures: Friday and / or Saturdays, 9:30am–5:00pm. Tutorials Wednesdays, 8:00am–10:00am.

Keywords
Energy physics and energy technologies; thermodynamics, mechanics, chemical processes; Carnot engines and cycles; fossil fuels and renewable energy sources; conversion technologies; recent global and local developments; storage and transport technologies; electrical engineering, grids; transitions and trends

Schedule

Fri. 13/10/17  Introduction: Energy and Energy Markets
Prof. Dr.-Ing. Joachim MÜLLER-KIRCHENBAUER

Wed. 18/10/17  Tutorial: Thermodynamics / Peer Group Organisation (2hrs)
M.Sc. Benjamin GROSSE
Company Presentation: MOBILITY2GRID

Fri. 20/10/17  Renewable Energy Sources
Prof. Dr.-Ing. Joachim MÜLLER-KIRCHENBAUER

Wed. 25/10/17  Renewables (2hrs)
M. Sc. Benjamin GROSSE
Company Presentation: EUREF Consultancy

Fri. 27/10/17  Fossil Fuels, Petroleum Engineering
Prof. Dr.-Ing. Gioia FALCONE
Sat. 28/10/17    Power Grids and Dynamic Grid Control
                Prof. Dr.-Ing. Kai STRUNZ

Wed. 1/11/17    Tutorial: Power Grids (2hrs)
                Dr.-Ing. Maren KUSCHKE

Wed. 8/11/17    Tutorial: Module Wrapup Q&A (2hrs)
                Dr.-Ing. Maren KUSCHKE, M.Sc. Benjamin GROSSE

Thur. 16/11/17  Exam, 8:00 am, written, 90 minutes, graded
                Prof. Dr.-Ing. Joachim MÜLLER-KIRCHENBAUER

Literature
    and New York, NY, USA and the International Institute for Applied System Analysis,
    Cengage Learning, 2011.
    2005.
Module 02 Economics

Prof. Dr. rer.pol. Georg ERDMANN
Head of Department
Berlin University of Technology
Department of Energy Systems
Einsteinufer 25 (TA 8), 10587 Berlin
FT Building, Room 025
+49 (0)30 314 24 656
georg.erdmann@tu-berlin.de

Aims and Scope
This module introduces Economics and presents core findings in the field of energy, explaining the economic fundamentals for the coming modules. It runs in parallel to module 1, Technological Foundations.

Times and Place
Lectures: Friday and / or Saturdays, 9:30am–5:00pm. Tutorials Wednesdays, 10:00am–12:00 noon.

Keywords
Welfare analysis, prices and markets, markets forms, production and pricing decisions, natural resource economics, merit order effects, external effects, trading in allowances, fundamentals of investment decisions, market failures and regulation, sustainability, global commons, security of supply.

Schedule

Sat. 14/10/17  Economics I
Prof. Dr. Georg ERDMANN

Wed. 18/10/17  Tutorial: Microeconomics
Lars DITTMAR

Sat. 21/10/17  Economics II
Prof. Dr. Aaron PRAKTIKNJO

Wed. 25/10/17  Tutorial: Marginal Costs, Merit Order
Lars DITTMAR

Wed. 1/11/17  Tutorial (2hrs): Investment Decisions
Lars DITTMAR
Company Visit: CHP Plant VATTENFALL in Berlin

Fri. 3/11/17  Regulation and Incentives
Prof. Dr. Klaus HEINE

Sat. 4/11/17  Economics III
Prof. Dr. Georg ERDMANN
Wed. 8/11/17  Tutorial: Q&A (2hrs)  
Lars DITTMAR

Fri. 17/11/17  **Exam, 8:00 am, written, 90 minutes, graded**  
Prof. Dr. Georg ERDMANN

Wed. 22/11/17  Recruitment Training Day  
Schneider Electric

**Literature**
Module 03 Business

Prof. Dr. Dodo zu Knyphausen-Aufseß
Chairman Strategic Leadership and Global Management
Sec. H 92, Room H 9166
Straße des 17. Juni 135, D-10623 Berlin
+49-(0)30-314-28744
knyphausen@strategie.tu-berlin.de

Aims and Scope
This module presents the foundations of business and discusses basic tools and applications in the context of the energy industry.

Times and Place
Lectures: Friday and Saturdays, 9:30am–5:00pm. Tutorials Wednesdays, 8:00am–12:00 noon.

Keywords
Fundamentals of management and business administration; management and leadership; shareholder and stakeholder value approach; the concept of strategy; Porter’s Five Forces, SWOT-Analysis, etc.; strategic business units; industry analysis; generic strategies; vertical integration; portfolio analysis; diversification; strategy process; case studies.

Schedule

Fri. 24/11/17  Management in the Energy Sector  
Market Roles, Functions & Participants in Liberalised Energy Markets  
Prof. Dr.-Ing. Joachim MÜLLER-KIRCHENBAUER

Sat. 25/11/17  Business I  
Prof. Dr. Dodo ZU KNYPHAUSEN-AUFSESS

Wed. 29/11/17  Presentation Techniques I  
Markus GRAEBIG  
Company Visit: SENSE Lab, TU Berlin

Fri. 1/12/17  Business II  
Dr. Maximilian WACHTER

Sat. 2/12/17  (continues)

Wed. 6/12/17  Presentation Techniques II  
Markus GRAEBIG  
Company Presentation: VHPREADY
Fri. 8/12/17  Business III  
Prof. Dr. Dodo ZU KNYPHAUSEN-AUFSESS  
The Energy Industry in its Regulatory Framework  
Prof. Dr.-Ing. Joachim MÜLLER-KIRCHENBAUER

Sat. 9/12/17  Business IV  
Prof. Dr. Dodo ZU KNYPHAUSEN-AUFSESS,  
Nadja BERSECK

Wed. 13/12/17  Tutorial: Q&A

Fr. 15/12/17  Exam: Presentations, 8 hours, pass / fail E3  
Prof. Dr. Dodo ZU KNYPHAUSEN-AUFSESS  
Prof. Dr.-Ing. Joachim MÜLLER-KIRCHENBAUER  
+ Christmas Celebration

Literature

Christmas Dinner
Dec. 15th 2017, 6pm
Module 04 Energy Law

Prof. Dr. iur. Dr. rer. pol. Dres. h.c. Franz Jürgen Säcker Hon.Ph.D.(PCCC)
Academic Director
MBL European and International Energy Law
+49 (0)30 / 314 23 288
contact@master-in-energy.com

Aims and Scope
This module presents the legal framework of today’s energy markets on the global scale, the EU plane and Germany.

Times and Place
Lectures: Friday and Saturdays, 9:30am–5:00pm. Tutorials Wednesdays from 8:00am.

Keywords
The Legal System of the EU and the Third Energy Package; Competition Law and Regulatory Law; Germany’s “Energiewende” and EEG; EU Secondary Law v. Regional Developments; Smart Meter Rollouts; Energy Policy; Infrastructure Regulation.

Schedule

Fri. 12/1/18  Introduction to European Union (Energy) Law
Prof. Dr. Lydia SCHOLZ

Sat. 13/1/18  Energy Policy, European Law and Business Practice
Peter HOHAUS

Wed. 17/1/18  Tutorial
Eleni-Aristea ALEVIZOU / Juliane STEFFENS
Company Presentation: Arcadis

Fri. 19/1/18  The EU Legal Framework for Infrastructure Regulation
Dr. Carsten KÖNIG

Sat. 20/1/18  EU Energy Law and Policy
Dr. Oliver KOCH

Tue. 22/1/18  Company Visit: European Energy Exchange Leipzig

Wed. 23/1/18  Tutorial
Eleni-Aristea ALEVIZOU / Juliane STEFFENS

Fri. 26/1/18  Energy Law in Practice
Dr. Oliver FRANZ
Sat. 27/1/18  The EU Legal Framework for Energy Wholesale Trading  
Dr. Annegret GROEBEL  

Mon. 29/1/18 until  Tue. 6/2/18  Paper, 10 pages, graded  
Prof. Dr. Dr. Dres. h.c. Franz Jürgen SÄCKER  

**Literature**  
Exam Retakes

Technology: April 12th 2018
Economics: April 18th 2018

Start of Summer Term

First Compulsory Elective Lecture: April 19th 2018 (cf. Module 8)

First Compulsory Lecture: April 20st 2018
Second Semester

2018
Module 05 Energy Grids

Prof. Dr.-Ing. Kai Strunz
Head of Chair Sustainable Electric Networks and Sources of Energy
Secr. EMH 1
Einsteinufer 11, D-10587 Berlin
kai.strunz@tu-berlin.de

Aims and Scope
This module deals with the technicalities of grid management in a changing energy environment, the challenges of transformation processes between different forms and sources of energy, and the management response to novel regulations and technological change.

Times and Place
Lectures: Friday and/or Saturdays, 9:30am–5:00pm. Tutorials Wednesdays, 10:00am–12:00 noon.

Keywords
Power flow, active and reactive power, power system control, blackouts, network topologies, challenges of renewable energy integration; grid management, balancing; liquid fuels and pipelines vs. electricity transmission; convergence, substitution and inter-operability; redundancy principle; sector coupling, power-to-gas; power-to-heat; mobility-to-grid; responding to network development plans.

Schedule

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
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<tbody>
<tr>
<td>Wed. 18/4/18</td>
<td>Preparatorium 14:00–16:00 hrs</td>
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<tr>
<td></td>
<td>Dr.-Ing. Maren KUSCHKE</td>
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<td>Thur. 19/4/18</td>
<td>TIM Kickoff, cf. Module 8</td>
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<tr>
<td>Fr. 20/4/18</td>
<td>Semester Intro &amp; Energy Grids Overview</td>
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<td>Prof. Dr.-Ing. Joachim MULLER-KIRCHENBAUER</td>
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<tr>
<td>Sat. 21/4/18</td>
<td>Electricity Grids I</td>
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<td>Prof. Dr.-Ing. Kai STRUNZ</td>
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<td>Tue. 24/5/18</td>
<td>Tutorial</td>
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<td>Dr.-Ing. Maren KUSCHKE</td>
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<td>Wed. 25/4/18</td>
<td>Fair Visit: Hannovermesse</td>
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<td>Thur. 26/4/18</td>
<td>Fair Visit: Connecticum Job Fair</td>
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<td>Date</td>
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<td>Fri. 27/4/18</td>
<td>Energy and Transport Grids</td>
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<tr>
<td>Sat. 28/4/18</td>
<td>Electricity Grids III</td>
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<tr>
<td>Wed. 2/5/18</td>
<td>Tutorial</td>
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<td>Wed. 2/5/18</td>
<td>Company Visit: EADP</td>
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<td>Thur. 3/5/18</td>
<td>Company Visit: TenneT Virtual Vision</td>
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<tr>
<td>Fri. 4/5/18</td>
<td>Grid Management I</td>
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<tr>
<td>Sat. 5/5/18</td>
<td>Grid Management II</td>
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<tr>
<td>Tue. 8/5/18</td>
<td>Company Visit: 50Hertz Neuenhagen</td>
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<tr>
<td>Wed. 9/5/18</td>
<td>Tutorial: Q&amp;A, 10:00–12:00 hrs</td>
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<tr>
<td>Wed. 9/5/18</td>
<td>Company Visit: Ponton</td>
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<tr>
<td>Fri. 11/5/17</td>
<td>Exam, 2 hours, graded</td>
</tr>
</tbody>
</table>
Module 06 Investments

Prof. Dr. Christian von Hirschhausen  
Chair Workgroup for Infrastructure Policy (WIP)  
Berlin University of Technology  
Straße des 17. Juni 135, D-10623 Berlin  
+49-(0)30-314 25 048  
cvh@wip.tu-berlin.de

Aims and Scope
This module looks at energy infrastructure from a decision maker point of view. Grids, storage facilities and power plants are large-scale long-term investments of national, if not international, scope and importance. How are such projects assessed, how can they be insured, how are they realised, etc. It runs in parallel to the communication block of module 7.

Times and Place
Lectures: Friday and / or Saturdays, 9:30am–5:00pm. Tutorials Wednesdays, 14:00am–16:00 noon. Visitations Wednesday 9:00–11:00am.

Keywords
Fixed asset investment; CAPEX; infrastructure, power plants, grids and storage as capital investment options; risk assessment and risk management; portfolio theory and portfolio management; foreign direct investment (FDI); financial tools, insurances, derivatives; investment project team management.

Schedule

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<tr>
<th>Date</th>
<th>Session</th>
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<tbody>
<tr>
<td>Wed. 23/5/18</td>
<td>Communication Block Kickoff, cf. Module 7</td>
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<tr>
<td>Wed. 23/5/18</td>
<td>Prep-Tutorial: Jens WEIBEZAHN</td>
</tr>
</tbody>
</table>
| Fri. 25/5/18 | Investments I  
 Prof. Dr. Christian VON HIRSCHHAUSEN        |
| Sat. 26/5/18 | Investments II  
 Dr. Clemens GERBAULET                        |
| Wed. 30/5/18 | Company Presentation: CME Group             |
| Wed. 30/5/18 | Tutorial:  
 Jens WEIBEZAHN                              |
| Thur. 31/5/18 | Company Presentation: Frontier Economics     |
| Fri. 1/6/18  | Investments in Renewables  
 Dr. Florian LEUTHOLD                          |
Sat. 2/6/18  Investments in Renewables II  
Dr. Florian LEUTHOLD

Wed. 6/6/18  Company Presentation: Deutsche Bank

Wed. 6/6/18  Tutorial:
Jens WEIBEZAHN

Thur. 7/6/18  Company Visit: NERA Consulting

Fri. 8/6/18  Investments Project Management  
Dr. Sabine KÖNIG

Sat. 9/6/18  Difficult Dialogue  
Dr. Sabine KÖNIG  
Prof. Dr.-Ing. Joachim MÜLLER-KIRCHENBAUER  
Bettina BROCKMANN

Thur. 28/6/18  Exam, written, 4 hours, graded.  
Prof. Dr. Christian VON HIRSCHHAUSEN
Module 07 Management
Prof. Dr.-Ing. Joachim MÜLLER-KIRCHENBAUER
Prof. Dr. Georg ERDMANN

Aims and Scope
This module looks at the implications of the changing energy landscape for industrial organisations, for planning, management and controlling. How can businesses benefit from our understanding of the legal and economic framework? How do we operate, and how do we communicate?

Times and Place
Lectures: Friday and / or Saturdays, 9:30am–5:00pm. Tutorials Wednesdays, 8:00am–12:00 am. Note that the block on communication starts during the proceeding module!

Keywords
Energiewende; value pools, business ideas, proposals, plans, and models in changing technological and regulatory environments; small group communication, conflict management, leadership communication; facilitation, mediation; change management.

Examination Form
Participants will be assigned to compose a business plan, write a test, and contribute orally. These three parts are weighted 40 / 40 / 20 % in the overall grade.

Block on Communication
In a blended learning module, communication strategies are taught and trained.

Schedule

<table>
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<tr>
<th>Date</th>
<th>Activity</th>
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<tbody>
<tr>
<td>Wed. 23/5/18</td>
<td>Business Communication Kickoff (live, 2hrs)</td>
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<tr>
<td></td>
<td>Bettina BROCKMANN</td>
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<tr>
<td>23/5–15/6/18</td>
<td>Business Communication: Online</td>
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<td>Bettina BROCKMANN</td>
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<tr>
<td>Fri. 15/6/18</td>
<td>Energy Management: Introduction</td>
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<td></td>
<td>Prof. Dr. Joachim MÜLLER-KIRCHENBAUER</td>
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<tr>
<td>Sat. 16/6/18</td>
<td>Business Communication: In-house</td>
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<td>Bettina BROCKMANN</td>
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<tr>
<td>Wed. 20/6/18</td>
<td>Business Communication: Dialogue I (4hrs)</td>
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<td></td>
<td>Joint session with students from San José State University, USA</td>
</tr>
<tr>
<td></td>
<td>Bettina BROCKMANN</td>
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</tbody>
</table>
Wed. 20/6/18  Company Presentation: BTC group
Thur. 21/6/18  Company Visit: ENERCON Magdeburg
Sat. 23/6/18  Germany’s ‘Energiewende’—State of Affairs
               Prof. Dr. Georg ERDMANN
Thur. 28/6/18  Exam Module Investments
Fri. 29/6/18  Energy Sector Management I
               Dr. Christian NABE
Sat. 30/6/18  Energy Sector Management II
               Dr. Christian NABE
Wed. 4/7/18  Tutorial (4hrs):
               Nadja BERSECK
Wed. 4/7/18  Company Presentation:
               Dr. Thomas WEISS, Accenture
Thur. 5/7/18  Company Visit: Christian BUSCH, KPMG
Fri. 6/7/18  Energy Sector Management III
               Dr. habil. Hans-Günter SCHWARZ
Sat. 7/7/18  Energy Sector Management IV
               Dr. habil. Hans-Günter SCHWARZ
Wed. 11/7/18  All-day Company Presentation:
               Ekkehart WILL, EEX
Fri. 13/7/18  Test, written, 85 minutes, graded (40%)
               Prof. Dr.-Ing. Joachim MÜLLER-KIRCHENBAUER
Thur. 19/7/18  Submission date: business plan, graded (40%)
Fri. 20/7/18  Presentation, oral, 5 minutes, graded (10%)
Sat. 21/7/18  Exhibition, written, poster, graded (10%)

Graduation Ceremony MBA Energy Management 2016-18
July 21st 2018
Lichthof TU Berlin, 14:00hrs
Including: Exhibition of Business Plans
Exam Retakes
between October 1st and October 5th 2018, t.b.a
Third Semester

2018 - 19
Welcome the new students! 😊

EUREF Master Programs
Opening Week

October 1st – October 5th 2018
Main Campus Charlottenburg, EUREF Campus

Campus Tour, Berlin Tour, Library Insights,
Get Togethers, Administrative Duties

Opening, 5th October 2018, 4pm – 6pm
Lichthof / Atrium TU Berlin, Str. des 17. Juni 135, 10623 Berlin

Welcome Addresses Academic Directors
Music, Refreshments

Preparatory Week

October 08th – 12th 2018

Preparatory content for
Quantitative Methods
Business Administration
Economics

MBA Program First Lecture

October 13th 2018, 9.30am–5pm
Module 08 Elective Compulsory

Aims and Scope
In their last module, students look at current energy related practical issues and challenges. Students choose either sub-module Module 8-A Efficiency Management or Module 8-B Innovation Management. In parallel, students work on their master thesis.

Module 8-A Efficiency Management

Prof. Dr.-Ing. Joachim MÜLLER-KIRCHENBAUER
Academic Director
Institute Technologie und Management (ITM)
Faculty Wirtschaft und Management
sec. FH 5-3, Room FH 503
Fraunhoferstraße 33-36, 10587 Berlin
+49 (0) 30 314-23214
energymanagement@master.tu-berlin.de

Aims and Scope
Students look at technical projects and products such as buildings, plants, city planning and apply the knowledge gained in prior modules in case studies.

Keywords
Buildings and energy efficiency; greenhouse gas emissions, demand side management, combined heat and power generation, process chain management, energy efficiency technologies, payback calculation methods, local heat and cooling grids, project management, ISO standards.

Schedule
Fr. 2/11/18  Efficiency Management I
Prof. Dr.-Ing. Joachim MÜLLER-KIRCHENBAUER

Sat. 3/11/18  Efficiency Management II
Prof. Dr.-Ing. Joachim MÜLLER-KIRCHENBAUER

Fr. 16/11/18  Efficiency Management III
Dr. Armin KRAFT, Stephan Seim, MSc

Sat. 17/11/18  Efficiency Management IV
Dr. Armin KRAFT

Fr. 7/12/18  Efficiency Management V
Dr. Armin KRAFT

Sat. 8/12/18  Efficiency Management VI, Interim Presentations
Prof. Dr.-Ing. Joachim MÜLLER-KIRCHENBAUER
Fr. 1/2/19  
**Final presentations + documentations, discussions**
Prof. Dr.-Ing. Joachim MÜLLER-KIRCHENBAUER

**Exam**  
**Portfolio, pass / fail.**
25% presentation, 50% documentation, 25% discussion participation.
Prof. Dr. Joachim MÜLLER-KIRCHENBAUER
Module 8-B Innovation Management

Prof. Dr. Jan Kratzer
Chair of Entrepreneurship and Innovation Management
Berlin University of Technology
Straße des 17. Juni 135, Sekr. H 76, Room H 7167, 10623 Berlin
Tel: + 49 (0) 30 31428361
Mail Contact Form

Aims and Scope
The module Technology and Innovation Management is an interdisciplinary project. Students learn about innovation and technology management in theory and practice. First, the course provides theoretical input sessions about innovation management, technology management, project management, team building, and more. Second, the students will apply this knowledge to a real project and work together with industrial partners. They will develop a business model and prototype in (interdisciplinary) teams based on a given problem. Finally, the teams hand in a written project report and give an oral presentation on their prototype.

Supervisors Julian ALEXANDRAKIS, Dr. Maren BORKERT

Keywords
Ideation; prototyping; quantitative and qualitative methods; innovation management; team building and team management; innovation assessment; systematic modelling; agile methods; software; synergy; innovation pathways; venture teams; temporary task forces; restrictive vs. promotive control; inter-organizational teams.

Schedule

Thur. 19/4/18  Introduction Lecture, Teaming, Air Mobility, Energy & Blockchain, World Café with Industry Partner
Prof. Dr. Jan KRATZER & Team

Thur. 26/4/18  Air Mobility in the City, Qualitative Research Methods, Project Planning
Prof. Dr. Jan KRATZER & Team

Thur. 17/5/18  Qualitative Research Methods, Ideation
Prof. Dr. Jan KRATZER & Team

Thur. 8/11/18  Quantitative Research Methods I Market Analysis
Prof. Dr. Jan KRATZER & Team

Fri. 9/11/18   Company Visit
Prof. Dr. Jan KRATZER & Team

Thur. 22/11/18 Quantitative Research Methods II
Prof. Dr. Jan KRATZER
<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
<th>Instructor</th>
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<tbody>
<tr>
<td>Fr. 23/11/18</td>
<td>Quantitative Research Methods III</td>
<td>Prof. Dr. Jan KRATZER</td>
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<tr>
<td>Thur. 6/12/18</td>
<td>3D Business Modelling &amp; Feedback Pitch Training</td>
<td>Prof. Dr. Jan KRATZER</td>
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<tr>
<td>Fr. 7/12/18</td>
<td>Final presentations + documentations, discussions</td>
<td>Prof. Dr. Jan KRATZER</td>
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<tr>
<td>Exam</td>
<td>Portfolio, pass / fail. 50% presentation (20min), 50% documentation (10 pages)</td>
<td>Prof. Dr. Jan KRATZER</td>
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</table>
Module 09 Master Thesis

Supervisors Individual.

Aims and Scope Students demonstrate with the Master Thesis to be capable of addressing a problem from their study program independently, based on scientific methods, within a specific deadline. Once registered for the thesis, students have four months to conclude.

Schedule To start the master thesis, 62 CP must have been gathered; this equals successful completion of all mandatory modules M1-M7. Technically, the earliest starting date is hence six weeks after the last exam. The thesis can be postponed but should be completed in the third term.

Contents Individual.

Form Fifty pages, plus introduction and annex(es). In English. Scientific standards prerequisite. More detailed formal requirements to be announced.

Wed. 18/7/18 Tutorial: Preparation for Master Thesis and Term III

Graduation Ceremony MBA Energy Management 2017-19

July 19th 2019 (tbc)

Details to be announced
Alumni Program

With your degree, you become part of the alumni network. Alumni receive invitations to participate in the further extension of the academic program, and to events held on the campus and within the network.

As the program rolls over, you are cordially invited to participate in the curricular and extracurricular events of the following academic year(s).
Faculty
### Lecturers & Tutors

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<tr>
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<th>Institution</th>
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