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| **Module: The Energy System in Transition: Markets, Technologies, Business Opportunities** |
| **Contents:** Our energy system is in full transition, but the pace of change is still far lower than what is required to keep the climate on planet earth within trajectories that are in accordance with the Paris agreement. Planetary boundaries become more and more prevalent and push for more ambitious decarbonisation of our economies, bringing technologies, business concepts, and markets to their limits. Innovation and impact assessment are key to get the energy transition on a fast, yet reliable track.This course will provide you with the knowledge needed to start working on energy issues from an economic and business perspective. It comprises lectures and applied interactive sessions on the following topics:1. Basics of energy and climate economics
2. The prospects for renewable energy
3. The restructuring of the energy industry
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| **Learning outcomes:** Participants will…* gain an understanding of the scope of the challenge of the energy transition
* learn the fundamental terms and mechanics of energy markets
* develop the capability to gather the information they need to address economic and business related questions on the energy transition.
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| **Prerequisites:** **Formal:** none**Recommended:** basics in economics and/or business studies, interest in the topic. |
| **Obligatory registration**: yes | **Further Information on registration:**   |
| **Courses** | **Hours per week** | **Self-study** |  |
| lectures + workshop | 2 | 4 |  |
| ECTS in total |  |  | 3 |
| **Form of assessment** | Written Exam, Take Home/Open Book Exam, Essay, 60 Minutes |
| **Preliminary course work** | none |
| **Lecturer/Person in charge** | Stefan Reichelstein, Nikolas Wölfing |
| **Duration of module** | 1 semester |
| **Offering** | Fall semester 2020 |
| **Language** | English |
| **Program-specific educational goals** | LG 1, 2, 3  |
| **Grade** | graded |
| **Range of application** | All Bachelor Programs |