



<b>Development of a Solar Campaign for Aschaffenburg</b>	
Course number	7254
Hours per week:	2
ECTS:	2
Scheduled:	Winter Term
Format:	Seminar / Lecture / Project Execution
Examination:	Study Work with presentation (30 min)
Lecturer:	Prof. Dr.-Ing. Michael Mann; Prof. Dr.-Ing. Konrad Mußenbrock
Objectives:	<ul style="list-style-type: none"><li>– Engineering of photovoltaic systems</li><li>– Exemplary application of project management methods</li><li>– Visualization of complex technical and economic subjects</li><li>– Development of basic components of a communication strategy</li><li>– Application of basic marketing instruments</li></ul>
Contents:	<ul style="list-style-type: none"><li>– Simulation of Photovoltaic Systems</li><li>– Systems Engineering of Photovoltaic Installations</li><li>– Storage systems, e. g. battery storage</li><li>– Assessment of local photovoltaic potentials</li><li>– Planning and permission process for photovoltaic systems</li><li>– Development and implementation of customer surveys</li><li>– Development of communication strategies</li><li>– Technical dimensioning of photovoltaic systems using a concrete example</li><li>– Economic assessment of photovoltaic systems using a concrete example</li><li>– Presentation of technical facts in modern communication media</li><li>– Presentation of business matters in modern communication media</li><li>– Design and realization of exhibits/laboratory setups</li><li>– Development and implementation of workshops</li></ul>
Recommended Reading:	Jenkins, Nicolas and Ekanayake, Janaka, Renewable Energy Engineering, Cambrigde University Press, 2017