

Modulbeschreibung

Modulname					
Green Building Design II					
Modul Nr. 13-D1-M008	Leistungspunkte 6 CP	Arbeitsaufwand 180 h	Selbststudium 120 h	Moduldauer 1 Semester	Angebotsturnus Jedes 2. Semester
Sprache Englisch			Modulverantwortliche Person Prof. Stefan Schäfer		
1	Kurse des Moduls				
	Kurs Nr.	Kursname	Arbeitsaufwand (CP)	Lehrform	SWS
	13-D1-0017-vl	Green Building Design II	0	Vorlesung	2
	13-D1-0018-ue	Green Building Design II - Exercise	0	Übung	2
2	Lerninhalt Constructional topics, based on current building activities with an emphasis on self-developed concepts will be deeply processed in the form of a seminar. This includes targeted research questions about materials (e.g. steel, glass, and insulation) and technologies (e.g. air conditioning, energy supply and distribution, controlling of building envelopes). Selected examples of structures and own student projects relevant design principles are developed on the basis of selected building examples. With supervised student projects also outstanding, existing buildings and their construction are examined - also including classic historical buildings.				
3	Qualifikationsziele / Lernergebnisse After the successful completion the course students will understand the relationship of the relevant solutions used in the construction industry for Green Building Design. They possess both technological and physical aspects. The students will have the ability to detect different solutions, to find out, to explain factual and understandable, to make decisions and to justify. The students will have the ability to work independently on subject-specific problems according to scientific principles.				
4	Voraussetzung für die Teilnahme Recommended: Baukonstruktion und Bauphysik (13-D0-M001) or Baukonstruktion (13-D1-M003)				
5	Prüfungsform Modulabschlussprüfung: <ul style="list-style-type: none"> • Modulprüfung (Fachprüfung, mündliche / schriftliche Prüfung, Dauer 15 Min, Standard) • Modulprüfung (Studienleistung, Hausübungen, Arbeitsblätter, Bestanden/Nicht bestanden) 				

	<p>Subject Examination: Report and Presentation (15 min.)</p> <p>Study Achievement: Production of a poster for the optimisation of a building and giving 2 presentations</p>
6	<p>Voraussetzung für die Vergabe von Leistungspunkten</p> <p>Recommended: Baukonstruktion und Bauphysik (13-D0-M001) or Baukonstruktion (13-D1-M003)</p>
7	<p>Benotung</p> <p>Modulabschlussprüfung:</p> <ul style="list-style-type: none"> • Modulprüfung (Fachprüfung, mündliche / schriftliche Prüfung, Gewichtung: 1, Standard) • Modulprüfung (Studienleistung, Hausübungen, Arbeitsblätter, Gewichtung: 0, Bestanden/Nicht bestanden)
8	<p>Verwendbarkeit des Moduls</p>
9	<p>Literatur</p> <p>Script for the course Green Building Design as well as year-by-year readers on various specialist topics. For further literature recommendations see www.kgbauko.de</p>
10	<p>Kommentar</p> <p>Green Building Design II can be completed independently of the Green Building Design I module!</p>