Modulbeschreibung (*Erklärungen: kursiv; Auswahl: gelb hinterlegt*)

Modulname

Green Building Design Projekt (DE)/ Green Building Design Project (EN)

Modul Nr. 13-XX-XXXX *(vom Stu.bü. festgelegt)*	**Leistungspunkte** 6 CP	**Arbeitsaufwand** 180 h	**Selbststudium** 120 h	**Moduldauer** 1 Semester	**Angebotsturnus** Jedes (2.) Semester *(WiSe)*

Sprache	**Modulverantwortliche Person**
~~Deutsch/~~Englisch	Prof. Stefan Schäfer

1 Kurse des Moduls

Kurs Nr.	**Kursname**	**Arbeitsaufwand (CP)**	**Lehrform**	**SWS**
13-XX-XXXX-yy	Green Building Design Projekt *(DE)* Green Building Design Project *(EN)*	0	Projekt	1
13-XX-XXXX-yy	Green Building Design Übung *(DE)* Green Building Design Exercise *(EN)*	0		3

2 Lerninhalt / Learning content

Energy optimization on a real, suitable existing building using useful simulation software. All planning and action steps required for the creation of such an optimization process: Basic determination, inventory, creation of variants, simulation/accounting, creation of reliable selection criteria, preferred variant, ecological and economic comparison, documentation.

Possible as group work with up to 3 students from different areas and a correspondingly adapted workload.

3 Qualifikationsziele / Lernergebnisse - Qualification Goals / Learning Outcomes

After successfully completing the module, students should be able to

Understand, create, weigh up, explain objectively and comprehensibly, make decisions and justify different energy and design solutions for existing buildings as well as simulation and accounting processes.

Students will then also be able to analyze, illustrate, justify and present the results and sources of error of their work in a suitable form as well as eliminating them.

Students also have the ability to independently work on and optimize subject-specific problems, especially in the creation and combination of energy efficiency measures according to scientific principles.

4 Voraussetzung für die Teilnahme / Prerequisite For Participation

Recommended: successful participation in the module “Green Building Design I” (13.D1-0015) or comparable skills

5 Prüfungsform / Form of Examination

- Module examination (subject examination, special form, standard)

	• Subject examination: Submission of model, plans and report
6	**Voraussetzung für die Vergabe von Leistungspunkten - Prerequisite for the Awarding of Credit Points** Passing the final module examination(s)
7	**Benotung / Grading** Final module examination: • Module examination (subject examination, special form, weighting: 1, standard)
8	**Verwendbarkeit des Moduls / Applicability of the module** BI, UI, WiBi, ESE
9	**Literatur / Literature** Further literature will be announced during the course
10	**Kommentar** Die LV wird als Projektseminar durchgeführt. Leistungsnachweis anhand einer selbst zu wählenden, geeigneten Bestandsimmobilie mit Einsatz von Simulations- bzw. Bilanzierungssoftware. Die einzusetzende typische Standardsoftware und einschlägige Literatur sind nur in deutsch verfügbar. **Comment** The course is conducted as a project seminar. Proof of performance based on a suitable existing building property to be selected by the student and the use of simulation or accounting software. The typical standard software and relevant literature to be used are only available in German.

Stand Senatsbeschluss (20.09.2013)
v3.0 APB 5.