Module Card

Master Resource Efficiency in Architecture and Planning
HCU Hamburg

Module Number	Module Name	Type (C/CE/E)	Semester (proposed)	Module Coordinator
REAP-M-Mod-303	**Technologies for Sustainable Material Cycles**	**CE**	**3.**	**Prof. Dr.-Ing. Ingo Weidlich**

Subject Area	Duration
Resources, Technologies and Environment	1 semester

CP (according to ECTS)	Contact Hours/Week (SWS)	Self-study
5 CP (= 150 h workload)	2 (= 21 h contact time)	129 h

Objectives and Contents

Objective of Qualification (competencies)

- Knowledge of the standard technologies for material cycles and recycling.
- Competence of decision making in the field of selection of material related technologies.

Contents

- Planning strategies for long life cycles of buildings, building elements and building materials.
- Technologies for material conservation and appropriate construction.
- Technologies for building element (product) and building material (material) recycling.
- Planning procedures for recycling adapted construction and selection of materials.

Recommended Literature

varied

Teaching and Learning Methods

Lecture (complemented by seminar discussions, individual student inputs for specific subjects), Plenum, excursions occasionally

Exam(s)

Precondition of Examination

regular participation, individual oral input, successful completion of student report and oral presentation

Type of Examination	Duration of Examination (if written or oral exam)
Term paper (S), Presentation (R).	

Composition of Module Mark

S, R = 100%

Additional Information

Previous Knowledge / Conditions for Participation (in form and content)

Successful completion of the module REAP-M-Mod-201 is required. (in form)

Applicability of Module

Students have to select 2 modules of the block “Resources, Technologies and Environment” to attend REAP-M-Mod-309 Project III.

Frequency of Offering

Each winter term

Course Language

English

Valid from: WS 15/16 Update: 08.03.17