Design and Techniques for Renovation of Buildings (E050730)

Valid as from the academic year 2014-2015

Course Specifications

Course size

<table>
<thead>
<tr>
<th>Credits</th>
<th>Study time</th>
<th>Contact hrs</th>
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<tbody>
<tr>
<td>6.0</td>
<td>180 h</td>
<td>37.5 h</td>
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</tbody>
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Course offerings and teaching methods in academic year 2019-2020

A (semester 1) Dutch

- seminar 15.0 h
- fieldwork 7.5 h
- lecture 15.0 h

Lecturers in academic year 2019-2020

Nys, Charlotte TW01 lecturer-in-charge

Offered in the following programmes in 2019-2020

- Master of Science in Engineering: Architecture (main subject Architectural Design and Construction Techniques) 6 A
- Master of Science in Engineering: Architecture (main subject Urban Design and Architecture) 6 A

Teaching languages

Dutch

Keywords

Renovation, re-use, repair

Position of the course

Initiation to degradation processes on materials and structures, their diagnosis, and the ways to prevent or repair. Introduction to the technical aspects concerning the preparation of a renovation project, and the most common methods and techniques for intervention.

Contents

- Needs and requirements on renovation
- Analysis and diagnosis of degradation
- Intervention techniques on materials and structures
- Case studies

Initial competences

Final competences

Conditions for credit contract

Access to this course unit via a credit contract is determined after successful competences assessment

Conditions for exam contract

This course unit cannot be taken via an exam contract

Teaching methods

Lecture, fieldwork, seminar, seminar: coached exercises

Learning materials and price

Reader: 20 euro

References

(Approved)

1
• A. De Naeyer (Ed.): Handboek Onderhoud, Renovatie, Restauratie, Kluwer Uitgeverij, Mechelen (losbladig systeem) sinds 1999
• G. Croci: The conservation and structural restoration of architectural heritage, Computational Mechanics Publications, Southampton 1998

Course content-related study coaching

Evaluation methods
  end-of-term evaluation

Examination methods in case of periodic evaluation during the first examination period
  Written examination

Examination methods in case of periodic evaluation during the second examination period
  Written examination

Examination methods in case of permanent evaluation

Possibilities of retake in case of permanent evaluation
  not applicable

Extra information on the examination methods
  During examination period: oral closed-book exam; graded lab sessions

Calculation of the examination mark

(Approved)