Course Specifications
Valid as from the academic year 2019-2020

Due to Covid-19, the education and evaluation methods may vary from the information displayed in the schedules and course details. Any changes will be communicated on Ufora.

Course size
(nominal values; actual values may depend on programme)
Credits 4.0  Study time 120 h  Contact hrs 37.5 h

Course offerings and teaching methods in academic year 2019-2020
A (semester 1)  Dutch  on campus lecture 37.5 h

Lecturers in academic year 2019-2020
Moens, Jan  TW01  lecturer-in-charge

Offered in the following programmes in 2019-2020

<table>
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<tr>
<th>Programme</th>
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<tbody>
<tr>
<td>Master of Science in Engineering: Architecture (main subject Architectural Design and Construction Techniques)</td>
<td>4</td>
<td>A</td>
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<tr>
<td>Master of Science in Engineering: Architecture (main subject Urban Design and Architecture)</td>
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Teaching languages
Dutch

Keywords
Professional practice, construction processes, safety in buildings, fire safety, passive fire protection, active fire protection

Position of the course
Introduction to safety in buildings and during construction processes. Within this context the course focuses on fire safety: the aspects of building design, building structures and technical installations, as well as building materials and building elements, and emergency organisation.

Contents
• The construction process from competition to reception
• Safety aspects applicable to the architect and the moment in the design and construction process
• Fire safety in buildings: fire risk evaluation and parameters determining the fire development
• Fire safety: regulations
• Fire Safety: evacuation
• Fire safety: reaction to fire of construction products
• Fire safety: resistance to fire of construction elements
• Fire safety: active fire protection
• Fire Safety: organisation of emergency response
• Safety coordination: visit of the construction site
• Safety aspects involving the design of buildings (rail, glazing, etc.)

Initial competences

Final competences
To gain insight into the safety aspects to consider during the design and construction process of buildings

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

(Approved)
Teaching methods
  On campus lecture

Learning materials and price
  Handboek basisnormen, KB van 25/1/2001 betreffende de tijdelijke of mobiele bouwplaatsen, aanvulling met een syllabus voor de andere aspecten dan brandveiligheid

References
  Handboek basisnormen, KB van 25/1/2001 betreffende de tijdelijke of mobiele bouwplaatsen.

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, open book examination

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

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: written open-book exam

Calculation of the examination mark
  2/3% on exam - 1/3 on work