GHENT UNIVERSITY

# Study Programme

Academic year 2024-2025

Faculty of Engineering and Architecture

Preparatory Course Master of Science in Engineering: Architecture -- Architectural Design and Construction Techniques

Language of instruction: Dutch

Programme version 12

## 1 General Courses

### 1.1 General Courses, Intake: Bachelor of Science in Engineering, main subject Civil Engineering — 80 credits

| Nr | Course | | CRDT | Ref | MT1 | Session | Study |
|---|---|---|---|---|---|---|---|
| 1 | E082600 | History of Architecture 1 | 6 | | 1 | | 180 |
| 2 | E080111 | Architectural Theory 1 | 5 | | 1 | | 150 |
| 3 | E080650 | Design Theory 2 | 5 | | 1 | | 150 |
| 4 | E082710 | History of Architecture 2 | 5 | | 1 | | 150 |
| 5 | E084110 | History of Urban Planning | 3 | | 1 | | 90 |
| 6 | E081211 | Architectural Design 2<br>*Jan Mannaerts -- Department of Architecture and Urban Planning* | 15 | | 1 | A:J | 450 |
| 7 | E080210 | Architectural Theory 2 | 6 | | 1 | | 180 |
| 8 | E027610 | Constructional Aspects of the Building Envelope<br>*Jan Moens -- Department of Architecture and Urban Planning* | 6 | | 1 | | 180 |
| 9 | E075611 | Art and Architecture<br>*Wouter Davidts -- Department of Architecture and Urban Planning* | 3 | | 1 | A:2 | 90 |
| 10 | E084550 | Introduction to Urban Analysis and Design<br>*Michiel Dehaene -- Department of Architecture and Urban Planning* | 4 | | 1 | | 120 |
| 11 | E081311 | Architectural Design 3<br>*Hans Lust -- Department of Architecture and Urban Planning* | 15 | | 1 | A:J | 450 |
| 12 | E711059 | Building Services | 3 | | 1 | | 90 |
| 13 | E084560 | Methods of Urban Analysis and Design<br>*Kristiaan Borret -- Department of Architecture and Urban Planning* | 4 | | 1 | | 120 |

### 1.2 General Courses, intake: Master of Science in Civil Engineering Technology — 77 credits

| Nr | Course | | CRDT | Ref | MT1 | Session | Study |
|---|---|---|---|---|---|---|---|
| 1 | E082600 | History of Architecture 1 | 6 | | 1 | | 180 |
| 2 | E080111 | Architectural Theory 1 | 5 | | 1 | | 150 |
| 3 | E080650 | Design Theory 2 | 5 | | 1 | | 150 |
| 4 | E082710 | History of Architecture 2 | 5 | | 1 | | 150 |
| 5 | E084110 | History of Urban Planning | 3 | | 1 | | 90 |
| 6 | E081211 | Architectural Design 2<br>*Jan Mannaerts -- Department of Architecture and Urban Planning* | 15 | | 1 | A:J | 450 |
| 7 | E027610 | Constructional Aspects of the Building Envelope<br>*Jan Moens -- Department of Architecture and Urban Planning* | 6 | | 1 | | 180 |
| 8 | E080210 | Architectural Theory 2 | 6 | | 1 | | 180 |
| 9 | E075611 | Art and Architecture<br>*Wouter Davidts -- Department of Architecture and Urban Planning* | 3 | | 1 | A:2 | 90 |
| 10 | E084550 | Introduction to Urban Analysis and Design<br>*Michiel Dehaene -- Department of Architecture and Urban Planning* | 4 | | 1 | | 120 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 11 | E081311 | Architectural Design 3<br>*Hans Lust -- Department of Architecture and Urban Planning* | 15 | | 1 | A:J | 450 |
| 12 | E084560 | Methods of Urban Analysis and Design<br>*Kristiaan Borret -- Department of Architecture and Urban Planning* | 4 | | 1 | | 120 |

## 1.3 General Courses, Intake: Bachelor of Science in Architecture 76 credits

| Nr | Course | | CRDT | Ref | MT1 | Session | Study |
|---|---|---|---|---|---|---|---|
| 1 | E000124 | Geometry | 5 | | 1 | | 150 |
| 2 | E042012 | Introduction to Strength of Materials | 4 | | 1 | | 120 |
| 3 | E020710 | Physics 2 | 3 | | 1 | | 90 |
| 4 | E000611 | Mathematical Analysis | 5 | | 1 | | 150 |
| 5 | E042800 | Structural Load-Bearing Systems in Architectural Design<br>*Jan Belis -- Department of Structural Engineering and Building Materials* | 3 | | 1 | A:2 | 90 |
| 6 | E066160 | Materials Science | 3 | | 1 | | 90 |
| 7 | E080210 | Architectural Theory 2 | 6 | | 1 | | 180 |
| 8 | E080650 | Design Theory 2 | 5 | | 1 | | 150 |
| 9 | E082710 | History of Architecture 2 | 5 | | 1 | | 150 |
| 10 | E050310 | Building Physics<br>*Arnold Janssens -- Department of Architecture and Urban Planning* | 6 | | 1 | A:1 | 180 |
| 11 | E027610 | Constructional Aspects of the Building Envelope<br>*Jan Moens -- Department of Architecture and Urban Planning* | 6 | | 1 | | 180 |
| 12 | E084550 | Introduction to Urban Analysis and Design<br>*Michiel Dehaene -- Department of Architecture and Urban Planning* | 4 | | 1 | | 120 |
| 13 | E052720 | Concrete Technology<br>*Geert De Schutter -- Department of Structural Engineering and Building Materials* | 3 | | 1 | A:2 | 90 |
| 14 | E081311 | Architectural Design 3<br>*Hans Lust -- Department of Architecture and Urban Planning* | 15 | | 1 | A:J | 450 |
| 15 | E711059 | Building Services | 3 | | 1 | | 90 |

## 1.4 General Courses, Intake: Master of Science in Architecture 52 credits

| Nr | Course | | CRDT | Ref | MT1 | Session | Study |
|---|---|---|---|---|---|---|---|
| 1 | E000611 | Mathematical Analysis | 5 | | 1 | | 150 |
| 2 | E027610 | Constructional Aspects of the Building Envelope<br>*Jan Moens -- Department of Architecture and Urban Planning* | 6 | | 1 | | 180 |
| 3 | E050310 | Building Physics<br>*Arnold Janssens -- Department of Architecture and Urban Planning* | 6 | | 1 | A:1 | 180 |
| 4 | E042012 | Introduction to Strength of Materials | 4 | | 1 | | 120 |
| 5 | E042800 | Structural Load-Bearing Systems in Architectural Design<br>*Jan Belis -- Department of Structural Engineering and Building Materials* | 3 | | 1 | A:2 | 90 |
| 6 | E020710 | Physics 2 | 3 | | 1 | | 90 |
| 7 | E000124 | Geometry | 5 | | 1 | | 150 |
| 8 | E066160 | Materials Science | 3 | | 1 | | 90 |
| 9 | E711059 | Building Services | 3 | | 1 | | 90 |
| 10 | E052720 | Concrete Technology<br>*Geert De Schutter -- Department of Structural Engineering and Building Materials* | 3 | | 1 | A:2 | 90 |
| 11 | E080650 | Design Theory 2 | 5 | | 1 | | 150 |
| 12 | E080210 | Architectural Theory 2 | 6 | | 1 | | 180 |

### 1.4.1 Electivel Courses, Intake: Master of Science in Architecture

Subscribe to no more than 5 credit units from the study programmes of the Bachelor of Engineering Architecture. Subject to approval by the faculty.

Teaching

When a course is not taught (solely) in the programme's language of instruction, the effectively used languages are indicated in square brackets following the cours name, using the following ISO codes:

| | | | | | | |
|---|---|---|---|---|---|---|
| bg: Bulgarian | de: German | es: Spanish | ja: Japanese | pl: Polish | sh: Kroatian/Serbian | zh: Chinese |
| cs: Czech | el: Greek | fr: French | nl: Dutch | pt: Portuguese | sl: Slovene | |
| da: Danish | en: English | it: Italian | no: Norwegian | ru: Russian | sv: Swedish | |

Semester

Semesters are indicated by their number (1 or 2); semester 3 represents the summer period and J indicates a course spanning semesters 1 and 2.
When a capital letter precedes a semester number, the course has multiple offerings. The letter indicates the offering concerned.
When a semester is shown in brackets, the course in not offered this year in the specific offering.
The offering frequency and first year of offering are indicated by the following codes:

| | | | |
|---|---|---|---|
| a: bi-annually | c: annually, from 2025-2026 | f: annually, from 2026-2027 | i: annually, from 2027-2028 |
| b: tri-annually | d: bi-annually, from 2025-2026 | g: bi-annually, from 2026-2027 | j: bi-annually, from 2027-2028 |
| | e: tri-annually, from 2025-2026 | h: tri-annually, from 2026-2027 | k: tri-annually, from 2027-2028 |