

Faculty of Engineering and Architecture

Master of Science in Urbanism and Spatial Planning

Language of instruction: Dutch

Programme version 15

1 General Courses 69 credits

| Nr | Course | CRDT | Ref | MT1 | Session | Study |
|----|---|------|-----|-----|---------|-------|
| 1 | E085251 Topics in Urban Design and Spatial Planning <i>Michiel Dehaene -- Department of Architecture and Urban Planning</i> | 3 | | 1 | A:1 | 90 |
| 2 | C003145 Landscape Management and Design <i>Veerle Van Eetvelde -- Department of Geography</i> | 3 | | 1 | B:1 | 90 |
| 3 | E084910 Juridical Aspects <i>Tom De Waele -- Department of European, Public and International Law</i> | 5 | | 1 | A:1 | 150 |
| 4 | E084744 Introduction to Planning Theory <i>Tim Devos -- Department of Civil Engineering</i> | 3 | | 1 | A:1 | 90 |
| 5 | E084212 Theory of Urbanism [en] <i>Anne Kockelkorn -- Department of Architecture and Urban Planning</i> | 3 | | 1 | B:2 | 90 |
| 6 | E084571 Urban Analysis and Design [en] <i>Michiel Dehaene -- Department of Architecture and Urban Planning</i> | 6 | | 1 | A:1 | 180 |
| 7 | E085092 Studio on Spatial Analysis and Projects <i>Peter Vanden Abeele -- Department of Architecture and Urban Planning</i> | 12 | | 1 | A:2 | 360 |
| 8 | E085723 Integrating Spatial Policy and Project Management <i>Ann Pisman -- Department of Civil Engineering</i> | 6 | | 1 | A:2 | 180 |
| 9 | E084745 Planning Theory [en] <i>Tim Devos -- Department of Civil Engineering</i> | 6 | | 1 | A:2 | 180 |
| 10 | E085082 Studio on Spatial Analysis, Governance and Instruments <i>Tim Devos -- Department of Civil Engineering</i> | 12 | | 2 | A:1 | 360 |
| 11 | E086611 Mobility, Spatial Planning and Urban Design of Infrastructure <i>Filip Boelaert -- Department of Civil Engineering</i> | 3 | | 2 | A:1 | 90 |
| 12 | C003532 Urbanization in Global Perspective [en] <i>Ben Derudder -- Department of Geography</i> | 3 | | 2 | B:1 | 90 |
| 13 | E091320 Research Trip [en] <i>Veerle Van Eetvelde -- Department of Geography</i> | 4 | | 2 | A:J | 120 |

2 Elective Courses 27 credits

Subscribe to 27 credit units from no less than 3 and no more than 4 modules from the following list. Subject to approval by the faculty.

- 13 credit units in year 1
- 14 credit units in year 2

2.1 Elective Courses: Technical Courses

3 credits

Subscribe to 3 credit units from the following list. Subject to approval by the faculty.

Students take the course in the first master's year, depending on their previous degree: either a technical course on research (module 2.1.1), either a technical course on design (module 2.1.2).

2.1.1 Technical Courses on Research

| Nr | Course | CRDT | Ref | MT1 | Session | Study |
|----|--|------|-----|-----|---------|-------|
| 1 | E084760 Geographic Information Systems (partim) <i>Nico Van de Weghe -- Department of Geography</i> | 3 | | 1 | A:1 | 90 |
| 2 | E003230 Statistical Data Processing <i>Nele De Belie -- Department of Structural Engineering and Building Materials</i> | 3 | | 1 | A:2 | 90 |

2.1.2 Technical Courses on Design

| Nr | Course | CRDT | Ref | MT1 | Session | Study |
|----|---|------|-----|-----|---------|-------|
| 1 | E084561 Design Theory 2: Urban Analysis <i>Kristiaan Borret -- Department of Architecture and Urban Planning</i> | 3 | | 1 | A:1 | 90 |
| 2 | E080882 Digital Design 1: Modeling and Prototyping <i>Ruben Verstraeten -- Department of Architecture and Urban Planning</i> | 3 | | 1 | A:2 | 90 |

2.2 Elective Courses: In-Depth Electives

Subscribe to no less than 9 credit units from the following list, distributed over the first standard learning path as follows: no less than 3 credit units in year 1. Subject to approval by the faculty.

| Nr | Course | CRDT | Ref | MT1 | Session | Study |
|----|---|------|-----|-----|---------|-------|
| 1 | E084520 Theory of Urban Design [en] <i>Joachim Declerck -- Department of Architecture and Urban Planning</i> | 3 | | | A:1 | 90 |
| 2 | E080011 History and Theory of non-European Urbanism and Architecture [en] <i>Johan Lagae -- Department of Architecture and Urban Planning</i> | 6 | | | A:2 | 180 |
| 3 | C004184 Project Landscape Science and Spatial Planning <i>Veerle Van Eetvelde -- Department of Geography</i> | 5 | | | A:1 | 150 |
| 4 | I002650 Agricultural and Rural Policy, EU Perspective [en] <i>Jeroen Buysse -- Department of Agricultural Economics</i> | 5 | | | A:1 | 150 |
| 5 | K001013 Politics of Sustainability <i>Erik Paredis -- Department of Political Sciences</i> | 6 | | | A:2 | 180 |
| 6 | E076051 Urban and Regional Economy [en, nl] <i>Jonas Van der Slycken -- Department of Civil Engineering</i> | 3 | | | B:2 | 90 |
| 7 | C003534 Urban Mobility and Logistics [en] <i>Giovanni Circella -- Department of Geography</i> | 5 | | | A:1 | 150 |
| 8 | E084111 Urban Questions in Historical Perspective 1: Housing [en] <i>Anne Kockelkorn -- Department of Architecture and Urban Planning</i> | 3 | | | A:2 | 90 |
| 9 | E084970 Integrated Approach to Water Management and Environmental Policy <i>Renaat De Sutter -- Department of Civil Engineering</i> | 3 | | | A:2 | 90 |
| 10 | E086621 Planning and Transition: Mobility [en] <i>Koos Fransen -- Department of Civil Engineering</i> | 3 | | | A:1 | 90 |
| 11 | E086700 Planning and Transition: Agriculture, Food and Urbanization <i>Hans Vandermaelen -- Department of Architecture and Urban Planning</i> | 3 | | | A:1 | 90 |
| 12 | I002691 Nature Conservation <i>Lander Baeten -- Department of Environment</i> | 4 | | | A:1 | 120 |
| 13 | I002697 Urban Green Management <i>Jan Mertens -- Department of Environment</i> | 4 | | | A:1 | 120 |
| 14 | C002615 Environmental Impact Assessment <i>Marieke Paepen -- Department of Geology</i> | 6 | | | | 150 |
| 15 | E084581 Sustainable Cities <i>Michiel Dehaene -- Department of Architecture and Urban Planning</i> | 6 | | | A:J | 180 |
| 16 | E084953 Urban Sound [en] <i>Dick Botteldooren -- Department of Information Technology</i> | 3 | | | A:1 | 90 |
| 17 | E099210 Essentials of Artificial Intelligence: a Beginner's Guide [en] <i>Joni Dambre -- Department of Electronics and Information Systems</i> | 3 | UKV | | A:1 | 90 |

2.3 Elective Courses: Advanced Topics

Subscribe to no less than 9 credit units from the following list, distributed over the first standard learning path as follows: no less than 3 credit units in year 1. Subject to approval by the faculty.

| Nr | Course | CRDT | Ref | MT1 | Session | Study |
|----|--|------|-----|-----|--------------------|-------|
| 1 | E084892 Advanced Topics in Governance and Spatial Planning 1 [en] <i>Tim Devos -- Department of Civil Engineering</i> | 3 | | | A:J ^a | 90 |
| 2 | E084893 Advanced Topics in Governance and Spatial Planning 2 [en] <i>Tim Devos -- Department of Civil Engineering</i> | 3 | | | (A:J) ^d | 90 |
| 3 | E083085 Advanced Topics in Landscape, People and Environment 1 [en] <i>Veerle Van Eetvelde -- Department of Geography</i> | 3 | | | A:J ^a | 90 |
| 4 | E083086 Advanced Topics in Landscape, People and Environment 2 [en] <i>Veerle Van Eetvelde -- Department of Geography</i> | 3 | | | (A:J) ^d | 90 |

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|---|---------|---|---|---|----|
| 5 | E087400 | Advanced Topics in Urbanism, Urban Design and Landscape 1 [en, nl] <i>Michiel Dehaene -- Department of Architecture and Urban Planning</i> | 3 | A:1 ^a , B:2 ^a | 90 |
| 6 | E087410 | Advanced Topics in Urbanism, Urban Design and Landscape 2 [en, nl] <i>Michiel Dehaene -- Department of Architecture and Urban Planning</i> | 3 | (A:1) ^d , (B:2) ^d | 90 |
| 7 | E087600 | Advanced Topics in History and Theory of Urbanization and Housing 1 [en] <i>Anne Kockelkorn -- Department of Architecture and Urban Planning</i> | 3 | A:1 ^a , B:2 ^a | 90 |
| 8 | E087610 | Advanced Topics in History and Theory of Urbanization and Housing 2 [en, nl] <i>Anne Kockelkorn -- Department of Architecture and Urban Planning</i> | 3 | (A:1) ^d , (B:2) ^d | 90 |

2.4 Elective Courses Ghent University

Subscribe to no more than 6 credit units from the following list. Subject to approval by the faculty.

Only courses that are intrinsically relevant to the Master of Science in Urbanism and Spatial Planning, to be motivated by the student, or the [Ghent University Elective Courses](#).

3 Master's Dissertation 24 credits

| Nr | Course | CRDT | Ref | MT1 | Session | Study |
|----|-------------------------------|------|-----|-----|---------|-------|
| 1 | E091103 Master's Dissertation | 24 | | 2 | A:J | 720 |

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 course name, using the following ISO codes:

| | | | | | | |
|---------------|-------------|-------------|---------------|----------------|----------------------|-------------|
| bg: Bulgarian | de: German | es: Spanish | ja: Japanese | pl: Polish | sh: Croatian/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 is 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 |