

STUDY GUIDE

SUSTAINABLE URBAN PLANNING AND BUILDINGS

Organised by

University of Mons (UMONS)



1. IDENTIFYING DATA.

· Course Name.	<i>Sustainable Urban Planning and Buildings</i>
· Coordinating University.	<i>UMons</i>
· Partner University(ies) Involved.	<i>N/A</i>
· Course Field(s).	<i>Urban Planning and Architecture</i>
· Related Study Programme.	<i>N/A</i>
· Course Code.	<i>Sustainable Urban Planning and Buildings - Basics and concepts (26796 / I-POLY-704 / Mons)</i>
· ISCED Code.	<i>07. Engineering, manufacturing and construction/073. Architecture and construction and 0731. Architecture and town planning</i>
· SDG.	<i>11, 12 and 13</i>
· Study Level.	<i>Master</i>

· Number of ECTS credits allocated.	<i>3ECTS</i>
· Mode of Delivery.	<i>Online SYNCHRONOUS</i>
· Language of Instruction.	<i>English</i>
· Delivery Period.	<i>2nd Semester</i>
· Course Dates.	<i>February – May 2023</i>
· Precise Schedule of the Lectures.	<ul style="list-style-type: none"> • <i>Time zone (Europe/Belgium)</i> <i>Every Monday from 6/2 until 29/5 (slot of 10h30-12h30): 6/2: 10h30-12h30, 13/2: 10h30-12h30, 20/2: 10h30-12h30, 27/2: 10h30-12h30, 6/3: 10h30-12h30, 13/3: 10h30-12h30, 20/3: 10h30-12h30, 27/3: 10h30-12h30, 3/4: 10h30-12h30, 17/4: 10h30-13h30, 24/4: 10h30-13h30, 8/5: 10h30-13h30, 15/5: 10h30-13h30, 22/5: 10h30-13h30, 29/5: 10h30-13h30</i>
· Key Words.	<i>Urban planning, city evolution, governance, climate change, low energy, zero carbon...</i>
· Catchy Phrase.	<i>'Be the planner of the city of tomorrow!'</i>
· Link to Course Guide.	<i>N/A</i>

· Prerequisites and co-requisites.	<i>English B2-level</i> <i>Skills on urban planning software (e.g. GIS) and statistical data analysis (e.g. SPSS) are recommended</i> <i>Basic knowledge on sustainability protocols and strategies</i>
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· Number of EUNICE students that can attend the Course.	20
· Course inscription procedure(s).	<i>Registrations through the EUNICE website</i>

2. CONTACT DETAILS.

· Department.	<i>Architecture and Urban Planning</i>
· Name of Lecturer.	<i>Sesil Koutra</i>
· E-mail.	sesil.koutra@umons.ac.be
· Office.	<i>Rue d'Havre 88, 7000 Mons, Faculty of Architecture and Urban Planning</i>
· Other Lecturers.	/

3. COURSE CONTENT.

The course includes basically two parts:

- 1. Theory: history of the city, basic principles of urban planning, theories and models, sustainable cities examples and objectives, case-study analysis.*
- 2. Practice: practical application of theoretical background on individual or group exercises and project of 'city planning and transition' to a selected case-study (strategic city planning).*

4. LEARNING OUTCOMES.

- Critical overview of urban planning models and reflexion for future developments in line with the climate change challenges
- In-depth analysis of tools and methods of sustainable planning
- Development of research activities (papers' submission, seminars and conferences)

5. OBJECTIVES.

Acquisition of a solid knowledge and basis in regards to the strategies of urban planning in a sustainable context.

6. COURSE ORGANISATION.

UNITS

1.	<i>Talking about cities – Introduction to urban planning. A historical evolution of the cities of the world.</i>
2.	<i>Theories and models of urban planning. Examples and case analysis.</i>





3.	<i>Roadmap of sustainable urban planning (definitions, tools/methods, strategies).</i>
4.	<i>Project-based lectures (group/individual presentations).</i>
5.	<i>Open discussions in line with the students' expectations.</i>
LEARNING RESOURCES AND TOOLS.	
<i>Lectures, notes, research articles, videos</i>	
PLANNED LEARNING ACTIVITIES AND TEACHING METHODS.	
<i>Lectures, notes, research articles, videos</i>	

7. ASSESSMENT METHODS AND CRITERIA.	
<i>Individual project of 'smart city planning', group works and oral exam</i>	
OBSERVATIONS.	
N/A	

8. BIBLIOGRAPHY AND TEACHING MATERIALS.	
<ul style="list-style-type: none"> • <i>Sustainable Development Goals (& Implementation Reports): https://sdgs.un.org/goals</i> • <i>Brundtland Report 'Our Common Future': https://sustainabledevelopment.un.org/content/documents/5987our-common-future.pdf</i> • <i>IPCC Sixth Assessment Report</i> • <i>.....</i> 	

