URBAN MANAGEMENT

IE University
Professor: CEM KAYATEKIN
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Academic year: 22-23
Degree course: FOURTH
Semester: 1º
Category: COMPULSORY
Number of credits: 3.0
Language: English

PREREQUISITES
The student must have passed any and all previous coursework required for enrollment in this course.

SUBJECT DESCRIPTION
This course offers an in-depth view into some of the challenges and pressures faced by contemporary cities, specifically focusing on the following topics:

1. Urban morphology
2. The 15-minute city
3. The contemporary housing crisis
4. Land-use zoning
5. Blue-green infrastructure
6. Net-zero energy districts/cities
7. Positive energy districts
8. Low-carbon districts/cities
9. Smart cities
10. Regenerative urbanism

Through this course, students will not only gain a deep understanding of the legal, socioeconomic, physical, ecological, political, etc., relationships at play within the complexities of the urban fabric, within urban policy, and within urban administration; they will also begin to form a practical and intellectual framework for attempting to navigate these various dominions of urban influence.

OBJECTIVES AND SKILLS
(Per Ministerial Decree EDU/2075/2010, 29 of July; and the official accreditation request for the Bachelor in Architectural Studies, July 2015; see BOCYL, 14 March 2018: p. 10477-10481)

2.1. BASIC AND GENERAL OBJECTIVES

The general objectives and skills that students will develop as a result of the learning process of this specific course are:
- CB1: Students have demonstrated knowledge and an understanding of a given area of study, building upon the foundation of secondary education, supported by advanced texts, and including aspects that engage the latest advances in their area of study.

- CB2: Students know how to apply their knowledge professionally to their work or vocation and possess the competencies that are often demonstrated through elaboration and defense of arguments and the resolution of problems within their area of study.

- CB3: Students can gather and interpret relevant facts (usually within their area of study) in order to make judgments that include reflection on relevant social, scientific, and ethical topics.

- CB4: Students can transmit information, ideas, problems, and solutions to both specialized and non-specialized audiences.

- CB5: Students have developed the necessary learning skills to continue their studies with a high degree of autonomy.

- CG6: Knowledge of the industries, organizations, regulations, and procedures needed in order to transform projects into buildings, and to integrate drawings into the planning process.

- CG7: An understanding of the relationship between people and buildings, and between buildings and their contexts, as well as the need to relate buildings and adjacent spaces to needs and to the human scale.

2.2. SPECIFIC COMPETENCIES

The specific objectives and skills that students will develop as a result of the learning process of this specific course are:

- CE36: Ability to categorize built and urban heritage and plan conservation efforts.
- CE40: Ability to develop functional programming for buildings and urban spaces.
- CE45: Ability to design and execute urban projects as well as those for urbanization, gardens, and landscape.
- CE46: Ability to apply urban planning regulations and ordinances.
- CE47: Ability to develop environmental and landscape studies, and environmental impact reports.
- CE55: Adequate knowledge of the relationship between cultural patterns and the social responsibilities of the architect.
- CE57: Adequate knowledge of sociology, theory, economics, and urban history.
- CE58: Adequate knowledge of the methodological foundations of urban, territorial, and metropolitan planning.
- CE59: Knowledge of civil, administrative, urbanistic, building and industry regulations relating to professional activities.
- CE62: Knowledge of the mechanisms of preparing and developing urban plans at all scales.

2.3. TRANSVERSE COMPETENCIES OF THE UNIVERSITY

The transverse objectives and skills that students will develop as a result of the learning process of this specific course are:

- CT2: Ability to exercise professional behavior in accordance with constitutional principles and ethical values of the respective profession.
- CT3: Manage unforeseen situations with the capacity to respond to changes within organizations.
- CT4: Use disciplinary knowledge to analyze and evaluate current situations.
- CT5: Integrate oneself into interdisciplinary and multicultural teams to achieve common goals in a context of diversity.
- CT6: Work actively at in an international context.

**METHODOLOGY**

The course consists of weekly lectures featuring urban and territorial planning, history, and theory. It will involve the following teaching methods:

- AF1: Workshops and Laboratories
- AF2: Lectures
- AF3: Debates and Seminars
- AF5: Presentation of Work
- AF9: Individual Study
- AF10: Preparation of Projects

<table>
<thead>
<tr>
<th>Teaching methodology</th>
<th>Weighting</th>
<th>Estimated time a student should dedicate to prepare for and participate in</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lectures</td>
<td>20.0 %</td>
<td>15 hours</td>
</tr>
<tr>
<td>Discussions</td>
<td>10.67 %</td>
<td>8 hours</td>
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<tr>
<td>Exercises</td>
<td>0.0 %</td>
<td>0 hours</td>
</tr>
<tr>
<td>Group work</td>
<td>13.33 %</td>
<td>10 hours</td>
</tr>
<tr>
<td>Other individual studying</td>
<td>56.0 %</td>
<td>42 hours</td>
</tr>
<tr>
<td>TOTAL</td>
<td>100.0 %</td>
<td>75 hours</td>
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</tbody>
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**PROGRAM**

**SESSION 1 (LIVE IN-PERSON)**

Discussion around the following lecture (please watch before class):

*Video: Inhabitable Infrastructures (AA School of Architecture) (Youtube)*

**SESSION 2 (LIVE IN-PERSON)**

Discussion around the following article (please read before class):


**SESSION 3 (LIVE IN-PERSON)**

Discussion based around the following article (please read before class):

*Article: 15-Minute City: Decomposing the New Urban Planning Eutopia (Sustainability 13, no. 2: 928. 2021) (CED)*

**SESSION 4 (LIVE IN-PERSON)**

Discussion based around the following article (please read before class):

*Article: The global urban housing affordability crisis (Urban Studies, 54(14), 3159–3177. 2017)*

27th June 2022
SESSION 5 (LIVE IN-PERSON)
Discussion based around the following article (please read before class):

SESSION 6 (LIVE IN-PERSON)
Discussion around the following article (please read before class):
Article: A comprehensive review of blue-green infrastructure concepts (International Journal of Environment and Sustainability, 6(1). 2017) (CED)

SESSION 7 (LIVE IN-PERSON)
Group Urban Analysis Assignments presented today. Presentations, structured in pecha-kucha format (20 slides x 20 seconds per slide) must delve deep into the Madrid residential code (use the Codigo Tecnico and the Plan General as a starting point), looking to answer the following question: Do the building code and the planning regulations of Madrid (concerning residential architecture), have any critical / ideological impacts on the typologies, qualities, character, and dynamics underpinning residential life in the city?

SESSION 8 (LIVE IN-PERSON)
Discussion around the following article (please read before class):

SESSION 9 (LIVE IN-PERSON)
Discussion around the following article (please read before class):

SESSION 10 (LIVE IN-PERSON)
Discussion based around the following article (please read before class):
Article: Low Carbon Urban Transitioning: From Local Experimentation to Urban Transformation? (Sustainability 7, no. 3: 2437-2453. 2015) (CED)

SESSION 11 (LIVE IN-PERSON)
Discussion based around the following article (please read before class):
Article: How do we understand smart cities? An evolutionary perspective (Cities, 67, 43-52. 2017) (CED)

SESSION 12 (LIVE IN-PERSON)
Discussion around the following article (please read before class):
Article: Urban fabrics and urban metabolism–from sustainable to regenerative cities (Resources, 7(6), 2017) (CED)
SESSION 13 (LIVE IN-PERSON)
Discussion based around the following lecture (please watch before class):
Video: Food City (AA School of Architecture) (Youtube)

SESSION 14 (LIVE IN-PERSON)
Final review.

SESSION 15 (LIVE IN-PERSON)
Final Exam.

EVALUATION CRITERIA
This course will involve the following evaluation methods:
- SE1: Attendance and Active Participation
- SE2: Submission and/or Presentation of Group Projects
- SE3: Submission and/or Presentation of Individual Projects
- SE4: Evaluation of Group Exercises
- SE5: Evaluation of Individual Exercises
- SE6: Exams
These are to be weighted as follows:

<table>
<thead>
<tr>
<th>Criteria</th>
<th>Percentage</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Final Exam</td>
<td>80 %</td>
<td>Final (cumulative) examination</td>
</tr>
<tr>
<td>Group Urban Analysis Assignment -- Madrid</td>
<td>10 %</td>
<td>Groups of 3-4, presenting findings of residential</td>
</tr>
<tr>
<td>Residential Code</td>
<td></td>
<td>code requirements, and their critical impacts</td>
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<tr>
<td>Quizzes</td>
<td>10 %</td>
<td>Quizzes (at the start of each session) on the</td>
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<tr>
<td></td>
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<td>subject material to be discussed during that</td>
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<tr>
<td></td>
<td></td>
<td>session.</td>
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PROFESSOR BIO
Professor: CEM KAYATEKIN
E-mail: ckayatekin@faculty.ie.edu
Cem S. Kayatekin holds a Bachelor of Architecture from Auburn University, a Master of Architecture from Cornell University, and a Ph.D. in Architecture from the University of Oregon, completed under the tutelage of Howard Davis. His research interests are focused on the overlaps of urban equity, ecology, and resilience. He is also the co-founder of Blue Dot Studio, an architecture and urbanism firm anchored primarily in Sri Lanka.
OTHER INFORMATION
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