

Course Overview

The aim of this course is develop scientific research in the fields of urban design and planning and to learn to work within an interdisciplinary collaboration in physical (Environmental) planning. Urban design planning have to be connected with social and economic planning, law and administration, forming thus an integrated approach to the so called environmental planning.

Candidates in this course are expected to already be familiar with basic concepts in city planning and have at least a little planning practice. A pass at "credit" level in Urban Design, Urban Planning, and landscaping or their equivalent would be the statistics, demography, planning codes. Familiarly with interpretation of cadastral maps and land use plans would also be desirable.

To understand the kind of problem a city is, we will need to examine design. Such an inquiry involves reflection on "the kind of a problem a city is" to understand the kind of a problem might be, we also need to think in carefully theorized but pragmatic ways about form, geometric order, and historically of urban places: What is the relationship between international projects and emergent order in cities? What does it mean to intervene in this place, in this time, in this history?

How do we understand both the geometries of cities and the ways that form might be connected-or not-to their social organization, politics, and quality as human settlement space? How might we understand the relationship of such a practice to other efforts to exercise some level of purposeful and self-conscious control over what we might hope will be more suitable future?

Course description

- Introduction: What is Urban Planning? Constrains to the city form, Elements of Urban structure, Evolution of Urban Form, Transition to the Industrial City, subdivision regulations and environmental regulations.
- Paris in the 19th Century: from walled city to agglomeration: the plan of Haussmann
- The Ring of Vienna
- Ildefons Cerda' and the Barcelona's Extension Project
- The Comprehensive Plan: The Goals of Comprehensive Planning: The Comprehensive Planning Process.
- What is Urban Design

- The Urban Design process: Analysis, Synthesis, Evaluation, Implementation.
- Urban Design Principles
- The Importance of Urban Design
- Key Aspects of Design
- Appreciating the Context: Communities, Place, Natural Resources, Connections, Feasibility, and Vision.
- Creating the Urban Structure
- The Movement Framework
- Mixing Uses
- Density, Facilities and Form
- Energy and Resource Efficiency
- Landmarks, Vistas and Focal Points
- Blocks: Perimeter Blocks, Block size, Block Shape, Block Interiors.
- Parcels and Plots: Parcel size, Plot size, Plot and Parcel sub division.
- Making the Connections: Walking, Cycling, Public Transport, Streets and Traffic, Parking and Servicing.
- Utilities Infrastructure
- Detailing the Place: The quality of detailing, Positive Outdoor Space.
- Building Lines and Set backs
- Animating the Edge. Active Frontage. Richness and Beauty
- Building Size and Scale. Building Height. Building Depth.
- Building for change, Adaptability and Re-Use,
- A Thriving Public Realm, Social Space, Safety and Sense of Safety.
- Implementation and Delivery.
- **Managing the Design Process**
- Stage One: Getting Started
- Stage Two: Appreciating the Context
- Stage Three: Creating the Urban Structure and Making the Connections
- Towards a Master plan
- Stage Four: Detailing the Place
- **Street furniture:** Function, Types, Principles of design, Locational criteria Size, Materialy
- Vision of the City of the Future
- Street furniture: Function, Types, Principles of design, Locational criteria Size, Material
- Urban Design for Sustainability: Introduction, The Issues, Developing the vision, the obstacles, Recommendations.

Evaluation

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| Works & Midterm Exam: | 60% |
| Final Exam: | 40% |

Bibliography:

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- *Cities 2000: Megaforces Shaping the Future of the Nation's Cities.* Washington, D.C.: U.S. Department of Housing and Urban Development, 2000. HT123.S73 2000
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- Gordon E. Cherry, ed. Shaping an Urban word 1980.
- Le Corbosier. 1971 [1929]. The City of Tomorrow and its Planning. Cambridge: MIT Press. "Second Part: laboratory Work, An Inquiry into Theory."
- Levy J.M. Contemporary Urban Planning
- Lynch K., The Image of the City, Cambridge, 1971
- Ractliff, A., A Introduction to Town and Country Planning 1974.
- Susan S. Fainstein& Scott Campbell. Eds. Readings in Urban Theory 1996