

CIHAN UNIVERSITY/SULIMANIA, ARCHITECTURAL DEPT.

FIFTH YEAR  
FIRST SEMESTER  
LECTURE 4

2022-2023  
URBAN DESIGN

# URBAN DESIGN ELEMENTS

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# URBAN DESIGN CONCERNS

- ▶ Urban design is concerned with the arrangement, appearance and function of districts suburbs, towns and cities.
- ▶ It is both a process and an outcome of creating localities in which people live, engage with each other, and engage with the physical place around them.
- ▶ It concern with the relationship between masses and void into the urban fabric
- ▶ It involves the design and coordination of all that makes up cities and towns.

# ELEMENTS OF URBAN DESIGN



BUILDINGS



PUBLIC SPACES



STREETS and PATHES



TRANSPORT



LANDSCAPE

# Buildings

# BUILDINGS

- ▶ Buildings are the most pronounced elements of urban design they form the massing vs spaces





# BUILDINGS

*They shape and articulate space by forming the street walls of the city.*



1. Well-designed buildings and groups of buildings work together to create a sense of place.
2. Buildings defined the spaces into the urban fabric.
3. Buildings with other urban elements contribute to create the style of the design



## Buildings form:

- The main masses
- The urban fabric
- The main routes
- The typology of spacing
- The general form







Buildings make the edges and separation barriers between spaces and defined these spaces



# PUBLIC SPACES

# PUBLIC SPACES

Great public spaces are the living room of the city – the place **where people come together to enjoy the city and each other.**

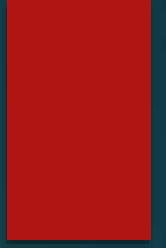


# PUBLIC SPACES

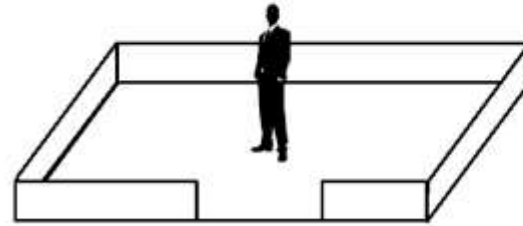
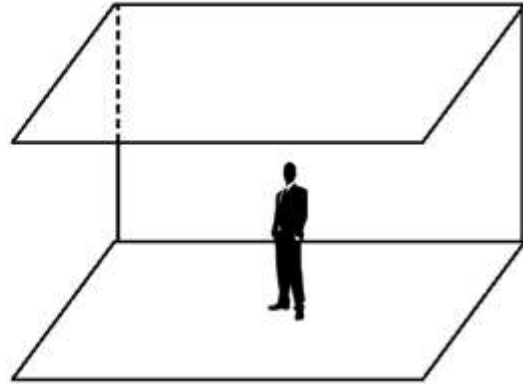
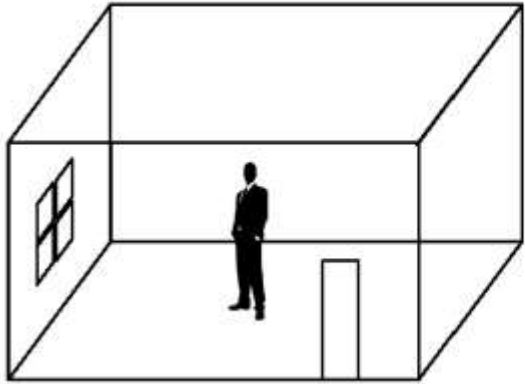
- ▶ Public spaces *make high quality life in the city possible* – they form the stage and backdrop to the drama of life.
- ▶ Public spaces range from grand central plazas and squares, to small, local neighborhood parks.



# Space definition

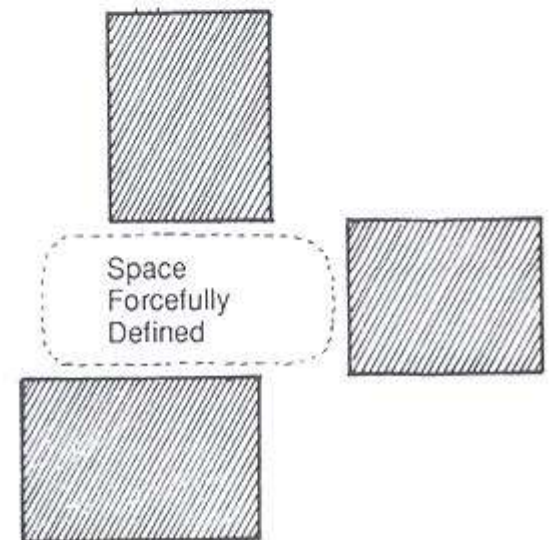
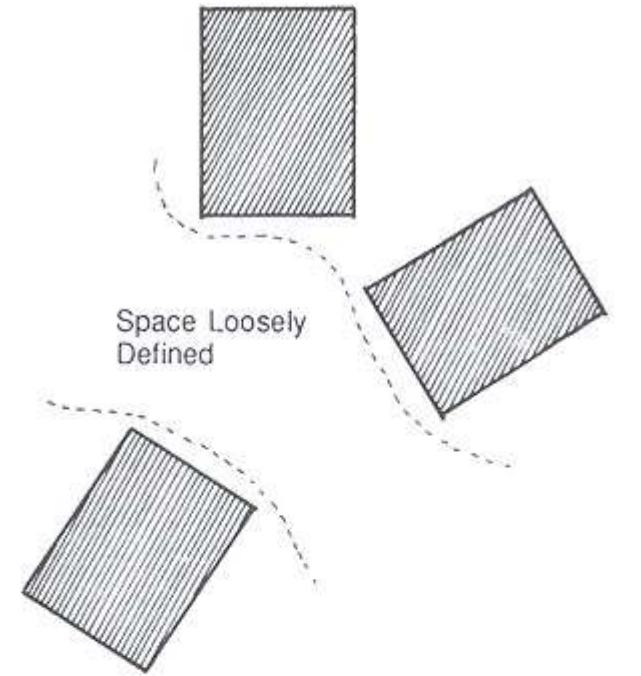


# Degree of definition



# Definitions

- ▶ Degree of definition
- ▶ Forcefully defined space
- ▶ Loosely defined space
- ▶ Partially defined space

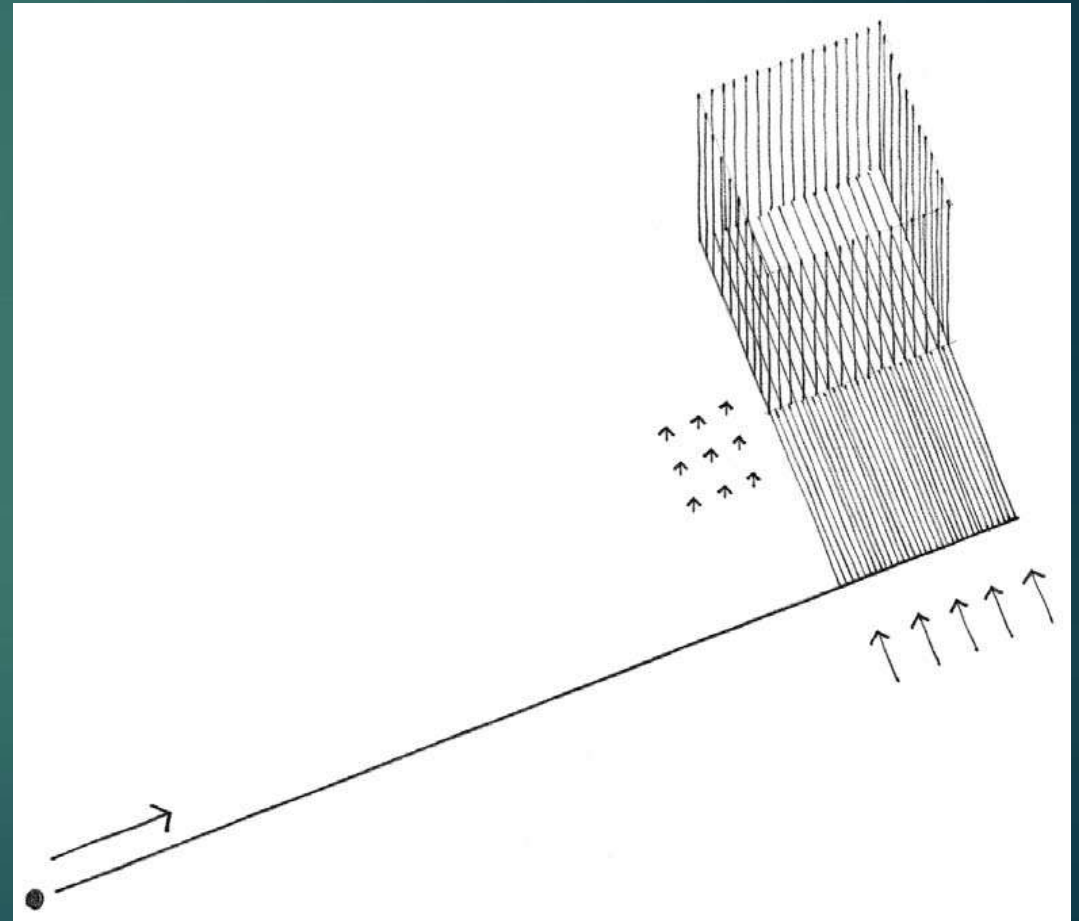




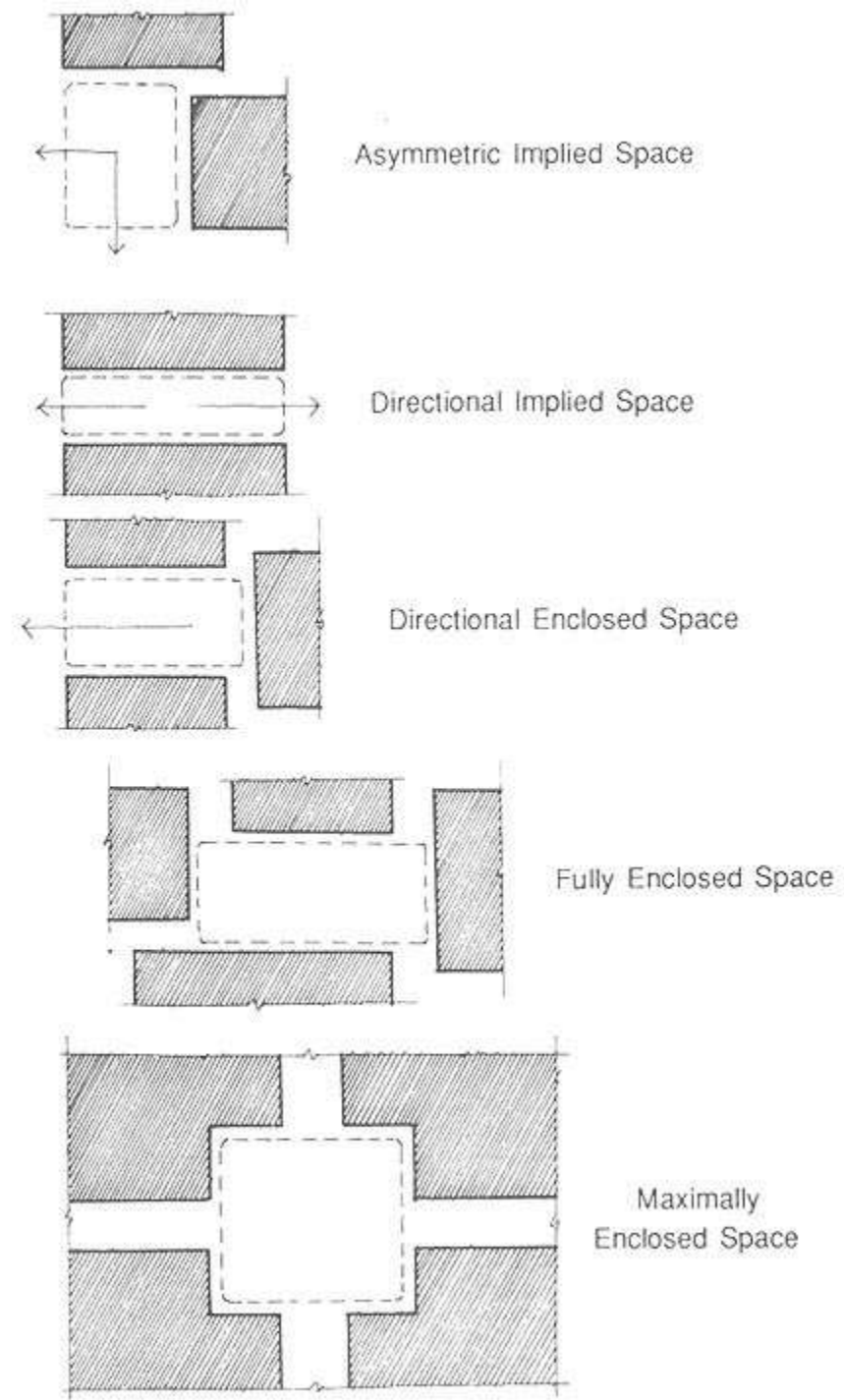
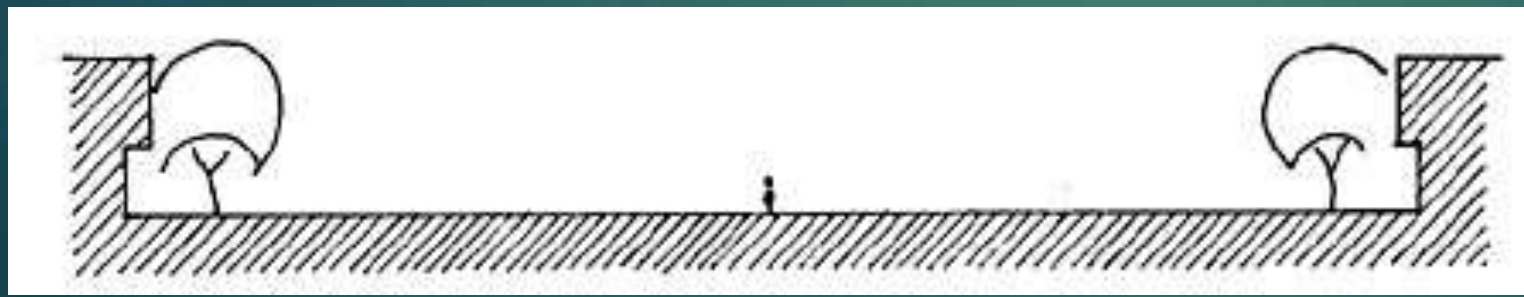
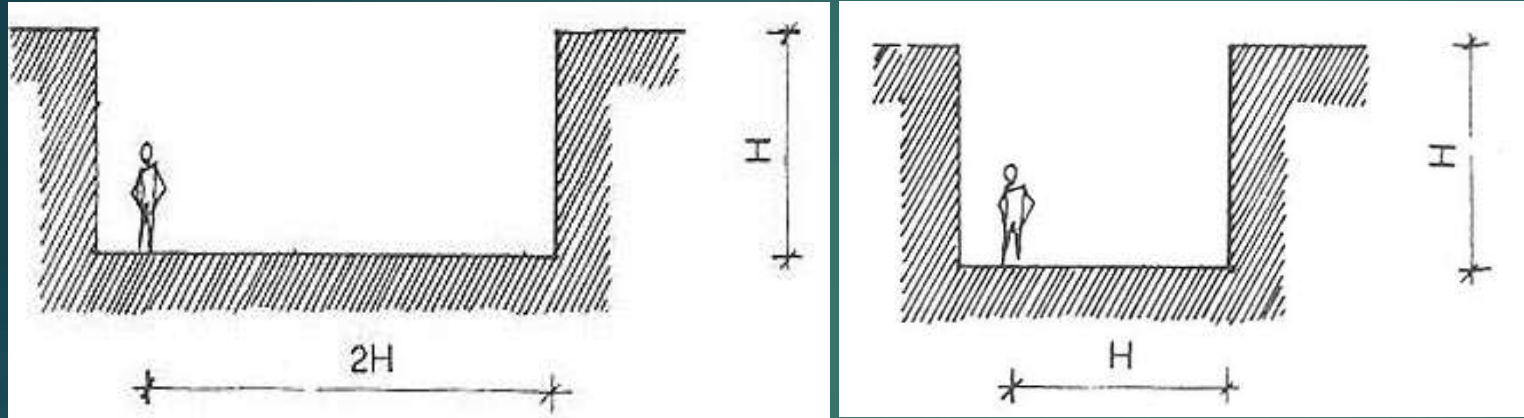
# Investigation about spaces

1. Do the spaces have specific functions or need to be particular shapes or forms?
2. Do the spaces need to be static or dynamic?
3. Do the spaces have different requirements in terms of light, ventilation, view, accessibility?
4. Do the spaces need to have relationships to other spaces?
5. Is there any hierarchical requirements of the spaces?
6. How should the spaces be connected?

# Mass Vs. Space



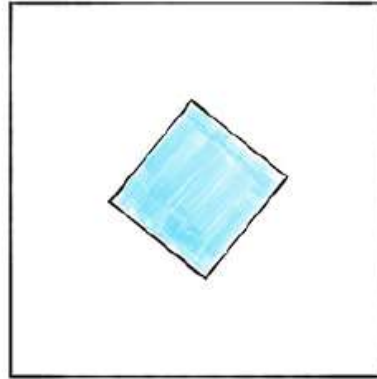
# Enclosure



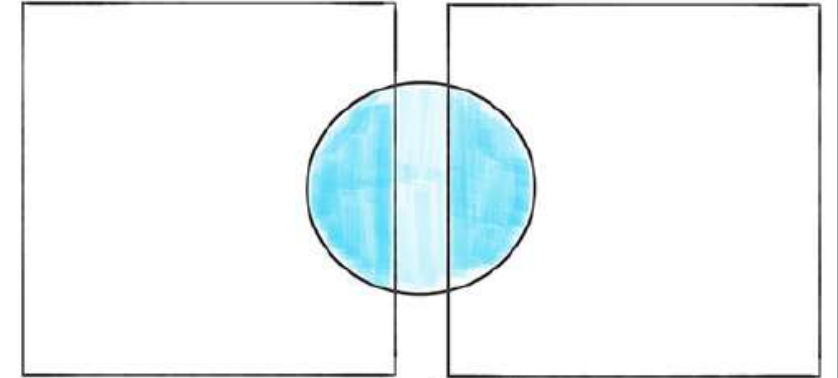


# Spatial Relationships

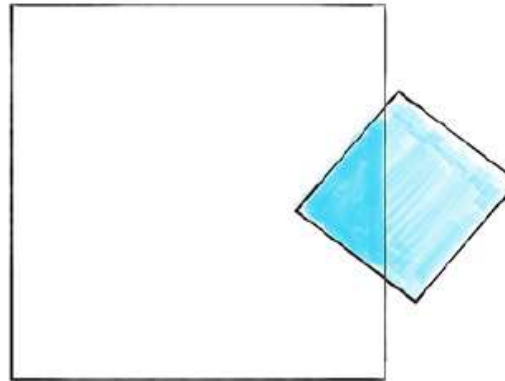
- ▶ Space within a space
- ▶ Interlocking spaces
- ▶ Spaces linked by a common space
- ▶ Adjacent spaces



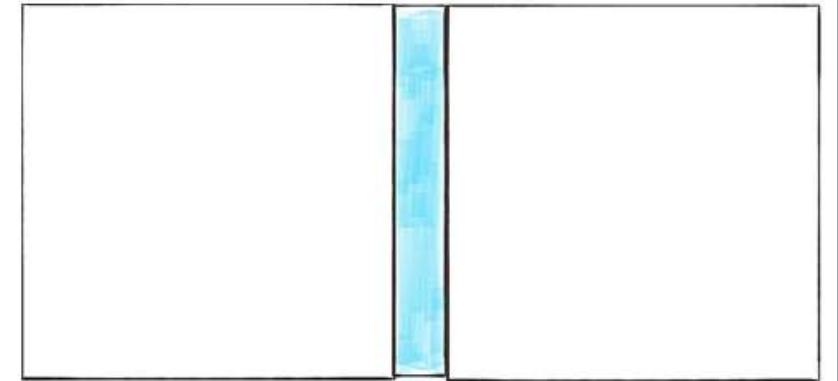
space within a space



spaces linked by a  
common space



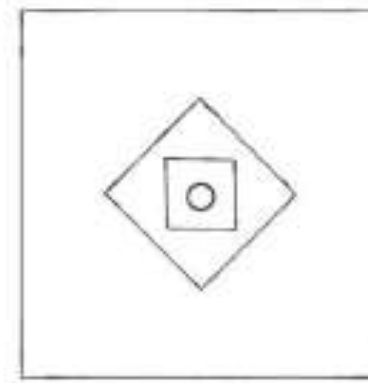
interlocking spaces



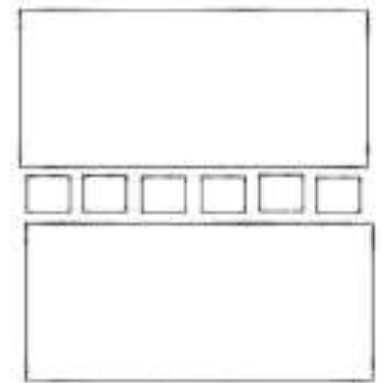
adjacent spaces

# Organising the space

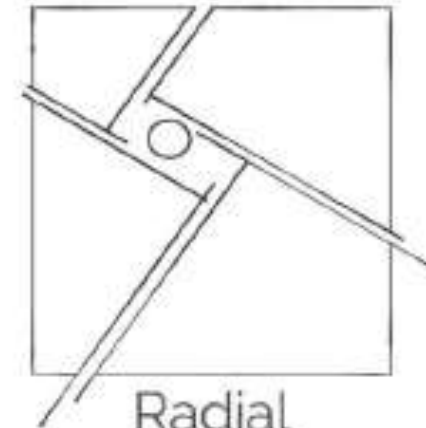
- ▶ Centralised organisation
- ▶ Linear organisation
- ▶ Radial organisation
- ▶ Clustered organisation
- ▶ Grid organisation



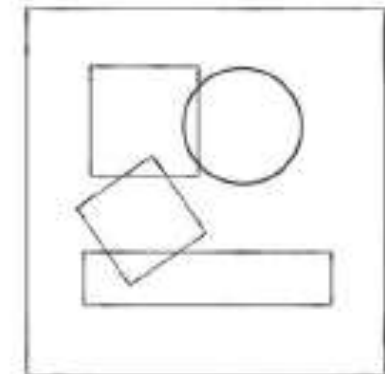
Centralised



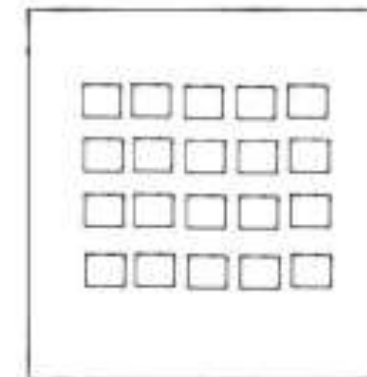
Linear



Radial

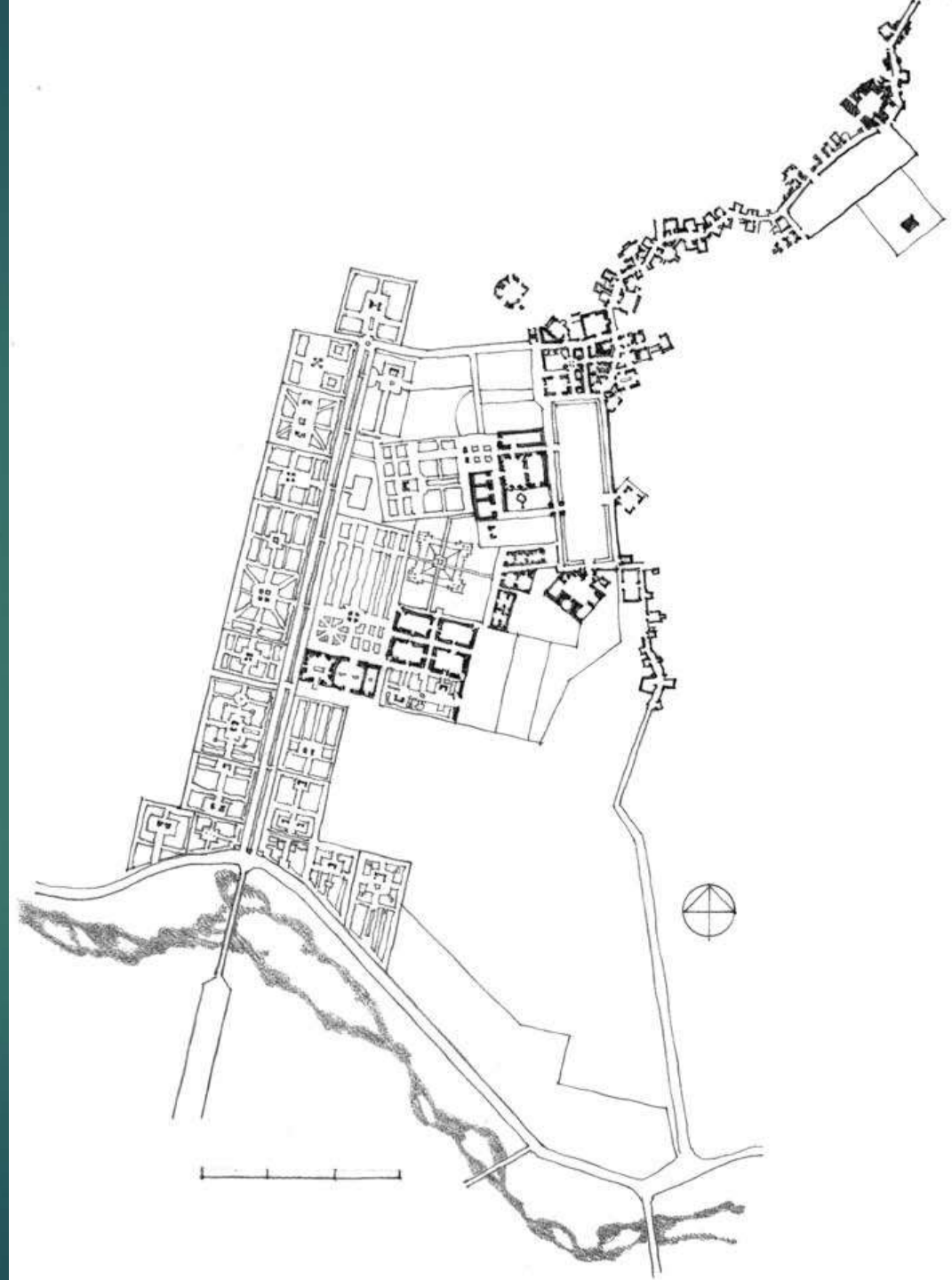
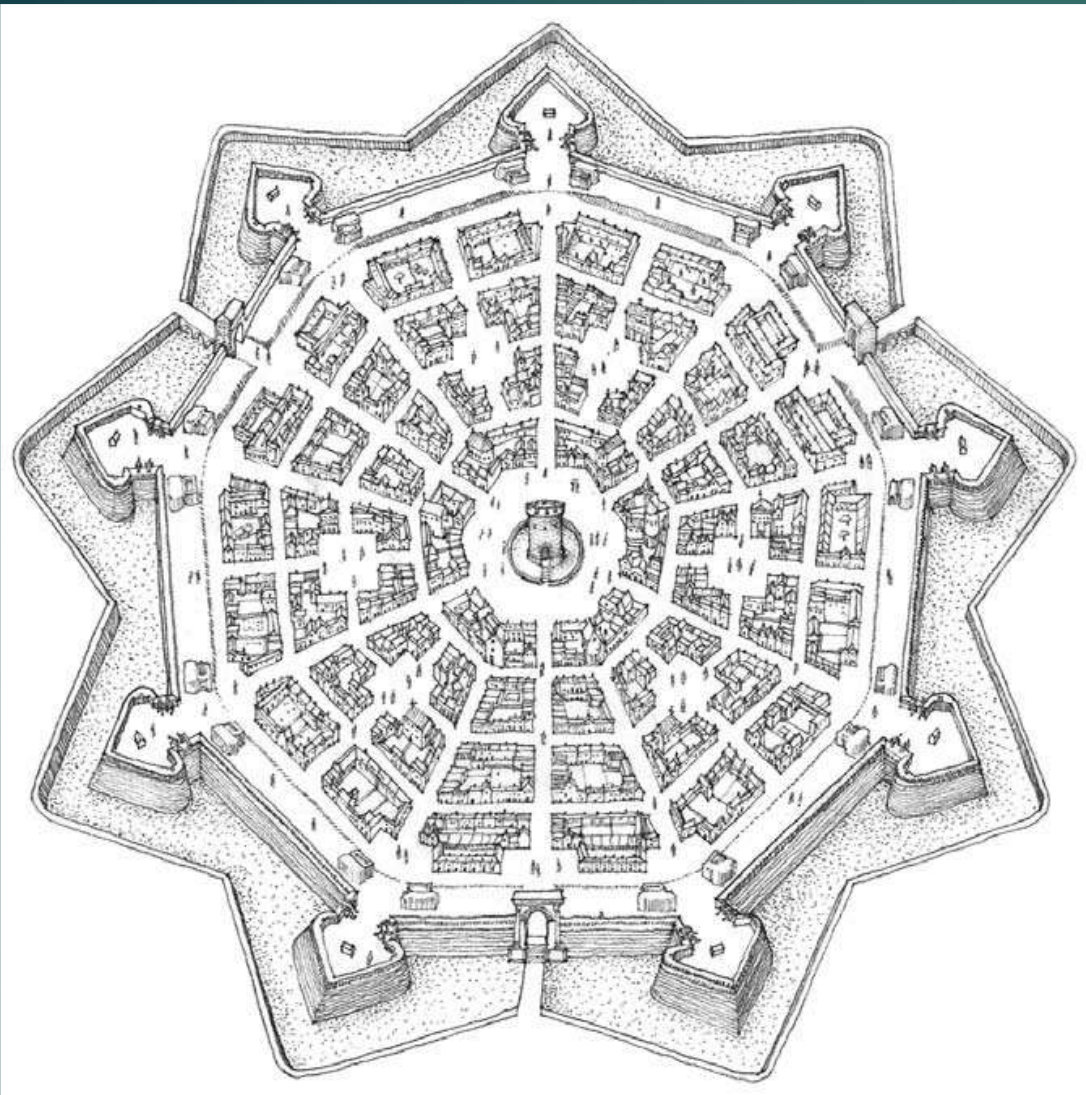


Cluster



Grid

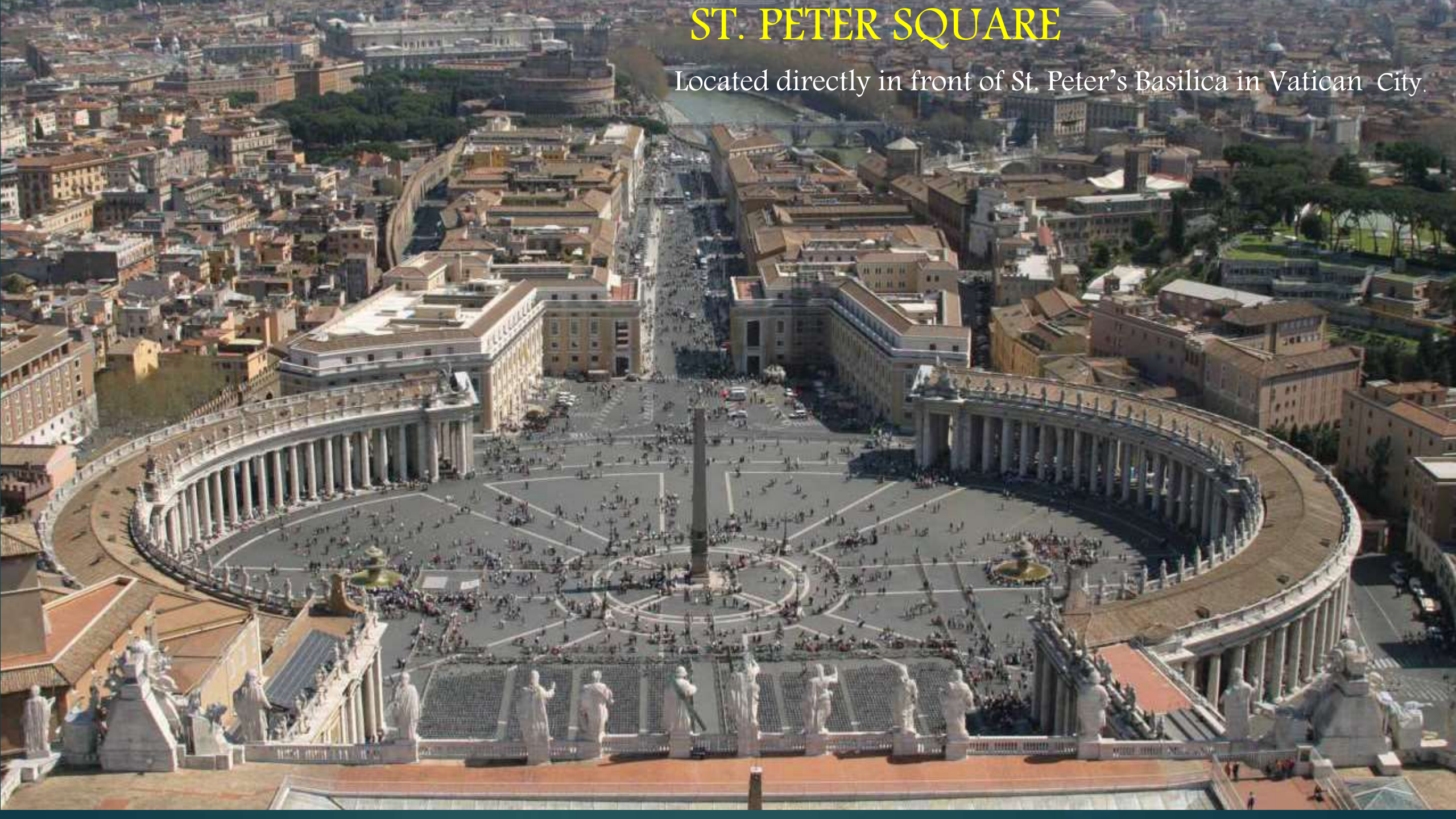
# Direction (axiality)





# ST. PETER SQUARE

Located directly in front of St. Peter's Basilica in Vatican City.







A conversation with Dr. Beth Harris and Dr. Steven Zucker

# Taksim Square

Located directly in front of Istiqlal street and near by Gezi Park.

بازار اسطنبول







STREETS



# STREETS

These are the connections between spaces and places, as well as being spaces themselves.

They are defined by their **physical dimension** and character as well as the size, scale, and character of the buildings that line them.

**The pattern** of the street network is part of what defines a city and what makes each city unique.





# STREETS

## EXAMPLES

### Main street

It is usually a focal point for shops and retailers in the central business district, and is most often used in reference to retailing and socializing.

