

# HUMAN SETTLEMENT PLANNING

ENAR 353

**Lecture** : 3  
**Tutorial** : 0  
**Practical** : 0

**Year** : III  
**Part** : II

## Course Objectives:

The objective of this course is to equip students with a foundation in human settlement planning concepts, tools and techniques in urban and rural contexts, with emphasis on socio-spatial systems across scales and basic spatial analysis and mapping.

- 1 Introduction (5 hours)**
  - 1.1 Concept and evolution of human settlements
  - 1.2 Growth and decline of settlements, planning objectives
  - 1.3 Rural, urban, peri-urban, informal settlements
  - 1.4 Global and South Asian and Nepali contexts
  - 1.5 Settlement structure (Urban and rural)
  - 1.6 Socio-spatial systems (Spatial form, social structure and economic process)
  
- 2 Classical Settlement-Oriented Thoughts and Approaches (10 hours)**
  - 2.1 Settlement morphology: Form, pattern, structure, transformation
  - 2.2 Utopian planning: Howard, Geddes, Perry, Doxiadis, Mumford
  - 2.3 Modernist planning: Le Corbusier and Frank Lloyd Wright
  - 2.4 Conceptual perspectives on settlements
    - 2.4.1 Production and use of space (Users, planners, practices)
    - 2.4.2 Informality in urban and peri-urban systems
    - 2.4.3 Land, economy and institutional influences
  
- 3 Settlement Planning Scales, Tools and Techniques (8 hours)**
  - 3.1 Overview of planning approaches (Post 50s)
  - 3.2 Settlement planning scales: National to local
  - 3.3 Settlement planning components
    - 3.3.1 Land use planning
    - 3.3.2 Development control (Zoning principles)
    - 3.3.3 Planning regulations and building by-laws
  - 3.4 Concept of spatial analysis
    - 3.4.1 Spatial data and thematic mapping
    - 3.4.2 Density, land-use distribution, spatial structure
    - 3.4.3 Role of mapping in settlement analysis

#### **4 Rural Settlement Planning (6 hours)**

- 4.1 Rural settlement concepts
- 4.2 Physical planning in rural areas
- 4.3 Infrastructure and service systems
- 4.4 Public and community spaces
- 4.5 Rural-urban linkages
- 4.6 Traditional rural settlements
- 4.7 Rural transformation (Migration, livelihood systems, rural urban continuum)

#### **5 Settlement Analysis and Profiling (8 hours)**

- 5.1 Base mapping and field reconnaissance
- 5.2 Stakeholder identification and mapping
- 5.3 Data collection methods
  - 5.3.1 Quantitative method: Socio economic survey
  - 5.3.2 Qualitative method: Interviews, FGDs, KIIs
  - 5.3.3 Field observation and documentation
- 5.4 Sectoral data analysis
  - 5.4.1 Sectors of human settlements
  - 5.4.2 Use of descriptive statistics and representation
  - 5.4.3 Use of qualitative data
  - 5.4.4 SWOT/C analysis

#### **6 Emerging Directions in Settlement Planning (8 hours)**

- 6.1 Global agenda (SDG 11, Sendai Framework, Paris Agreement, New Urban Agenda) to human settlements
- 6.2 Climate and disaster risk
- 6.3 Ecological planning and nature-based solutions
- 6.4 Inclusive and gender responsive settlements
- 6.5 Low carbon and resource-efficient settlements
- 6.6 Concept of resilient settlements

#### **Assignments**

- 1. Case studies of rural and urban settlements in Nepal
- 2. Planning problems and solutions through classical and contemporary lenses
- 3. Settlement profiling (mapping, land-use structure, socio-economic characteristics, infrastructure services and systems)

## Final Exam

The questions will cover all the chapters in the syllabus. The evaluation scheme will be as indicated in the table below:

Chapter	Hours	Mark distribution*
1	5	4
2	10	18
3	8	10
4	6	8
5	8	10
6	8	10
<b>Total</b>	<b>45</b>	<b>60</b>

\* There may be minor deviation in marks distribution.

## References

1. Doxiadis, C. A. (1968). Ekistics: An introduction to the science of human settlements (Latest Edition). Hutchinson.
2. Hall, P. (2014). Cities of tomorrow: An intellectual history of urban planning and design since 1880. Wiley-Blackwell.
3. Gallion, A. B., Eisner, S. (1986). The urban pattern: City planning and design (Latest Edition). Van Nostrand Reinhold.
4. Pant, M., Funo, S. (2007). Spatial structure of Newar settlements in the Kathmandu Valley. Kathmandu Valley Preservation Trust.
5. Clifford, N., French, S., Valentine, G. (2016). Key methods in geography. SAGE Publications.