

Faculty of Physical Planning and Architecture

SYLLABUS

FOR

INTERDISCIPLINARY COURSE IN ARCHITECTURE (PG)

Examinations: 2019-20



GURU NANAK DEV UNIVERSITY AMRITSAR

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Scheme

| Course Code | Course Title | Semester | Credits | L | T | U | Duration of Exam. |
|-------------|---|----------|---------|---|---|---|-------------------|
| ARL-051 | Socio Economic Aspects of Urban Environment | Autumn | 04 | 3 | 1 | 0 | 3 hrs |
| ARL-052 | Understanding the City Form | Spring | 04 | 3 | 1 | 0 | 3 hrs |

(Interdisciplinary-Autumn Semester)

Course Code: ARL 051

Duration of Examination: 03 Hrs

Course Title: Socio Economic Aspects of Urban Environment

Credits: 04 (L=03, T=1, U=0)

Time: 3Hrs.

Total Marks: 100

Mid Semester Examination: 20% weightage (Marks:20)

End Semester Examination: 80 % weightage (Marks: 80)

Instructions for the Paper Setters:

Eight questions of equal marks (Specified in the syllabus) are to be set, two in each of the four Sections (A-D). Questions may be subdivided into parts (not exceeding four). Candidates are required to attempt five questions, selecting at least one question from each Section. The fifth question may be attempted from any Section.

Objective: The Objective of the course is to understand the relationship of Urban Design with Socio-Economic aspects of a City.

Course Contents:

SECTION-A

Relationship of Man and Environment, Understanding the Socio-Economic aspects, Traditional patterns and trends of change in Indian society, Concept of social structure, culture and social institutions

SECTION-B

Relation between social structure and spatial structure, Social aspects of housing, Social problems of slums, An area level study of a settlement with reference to socio-economic aspects, methods to prepare survey formats for socio-economic aspects

SECTION-C

Economic resource, Typology of goods, Production economics, Process, laws, product and costs,

SECTION-D

Economics of scale, external economics, valuation, typology of markets, land and real estate market, macro – economic concepts, Basic economic analysis, economic principles and land use, land use pattern and land values.

Suggested Readings:

1. Cullen, Gordon, "The Concise Townscape" Van Nostrand Reinhold, New York, 1971.
2. Gosling, David and Barry Maitland, "Concepts of Urban Design" St. Martin's Press, New York, 1984.
3. Hall, Edward T., "The Hidden Dimension", Anchor Books Editions, New York, 1990.
4. Kostof, Spiro, "The City Shaped: Urban Patterns and Meanings Through History", Little Brown, Boston Mass, 1991.
5. Rowe, Colin and Koetter, Fred, "Collage City", MIT Press, Cambridge, Mass, 1979.
6. Southworth, Michael, Alexander. C, S. Ishikawa and M. Silverstein, "A Pattern Language", Oxford University Press, New York, 1977.
7. Steele Fritz, "The Sense of Place" CBI Publishing Company Inc. Boston, 1981.
8. Watson, Donald (ed.), "Time Saver Standards for Urban Design" McGraw Hill, 2003.
9. Whyte, William Hollingsworth, "The Social Life of Small Urban Spaces", Conservation Foundation, Washington D.C., 1980.

(Interdisciplinary-Spring Semester)

Course Code: ARL 052

Duration of Examination: 03 Hrs

Course Title: Understanding The City Form

Credits: 04 (L=03, T=1, U=0)

Time: 3Hrs.

Total Marks: 100

Mid Semester Examination: 20% weightage (Marks:20)

End Semester Examination: 80 % weightage (Marks: 80)

Instructions for the Paper Setters:

Eight questions of equal marks (Specified in the syllabus) are to be set, two in each of the four Sections (A-D). Questions may be subdivided into parts (not exceeding four). Candidates are required to attempt five questions, selecting at least one question from each Section. The fifth question may be attempted from any Section.

Objective: The Objective of the course is to understand the fundamentals of urban design and its significance in shaping a better livable city

SECTION-A

Introduction to Urban Design theory, Importance of Urban Design and its Role in shaping the image of a city, Principles of Urban Design, Scope and Objectives of urban design

SECTION-B

Elements of urban design, Elements of City Image, Urban Design as an inter-disciplinary profession that unites Architecture, Urban Planning and Landscape Architecture.

SECTION-C

Concept of City Planning, Traditional City and Modern City, Historic Background and Evolution of Indian City, Case Study of Chandigarh and Amritsar, City forms in the Western nation, Factors affecting city form, Building typology and its impact on urban forms, The impact of climate and land form on urban form.

SECTION-D

Introduction to Conservation, Ethics of Conservation, Degree of Intervention, The role of conservation and relevance of historic buildings and areas in present context

Suggested Readings:

1. Llewelyn-Devis, "Urban Design Compendium", English Partnership and the Housing Corporation, 2007.
2. Lynch, Kevein; "The image of the City", MIT Press, Cambridge, Massachusetts and London, 1960.
3. Lynch, Kevein; "Good City Form", MIT Press, Cambridge, Massachusetts, 1982.
4. Broadbent, G.; "Emerging Concepts in Urban Space Design", Van Nostrand Reinhold, London, New York, 1990.
5. Krier, Rob; "Urban Space", Academy Editions, London, 1979.
6. Spiregen, Paul D; "Urban Design: The Architecture of Town and Cities", McGraw Hill, New York, 1965.
7. M. Feilden, Bernard; "Conservation of Historic Buildings", Pub. by Architectural Press; 3rd Edition, 2003
8. Gallion, Arthur B. & Eisner, Simon; "The Urban Pattern: City Planning and Design", New York: D. Van Nostrand Company. 1983.
9. Keeble, Lewis; "Principles and Practice of Town and Country Planning", London: The Estates Gazette, The University of Michigan, 1969.
10. Whittick, Arnold; "Encyclopedia of Urban Planning", New York: McGraw-Hill. 1974.

