**. SITE PLANNING AND LANDSCAPE DESIGN**

Credit hours: 3 (2+1)

Prerequisites: None

**Specific Objectives**

To develop skills for site analysis and landscape design.

**Learning Outcomes**

After studying this course, the learners will be able to,

1. Develop skills in site planning and landscape design
2. Understand impact of site planning and landscape design on urban and regional planning
3. Plan sites of medium scale
4. Design and document natural and man-made features on planning sites

**Content List**

* Site Planning Overview, Definitions, Professional Roles, Resources, Process, Techniques and Technology.
* Site Analysis Parameters; Climate, Views, Landscape, Infrastructure, Location, Neighborhood, Density, Urban Scape, Byelaws Etc.
* Development Program Elements: User/Client Input. Functions, Uses, Clients, Visitors, Access, Circulation, Scale, Context, Grading, Drainage, Views, Orientation, Sequence Of Arrival, Hierarchy And Definition Of Spaces, Parking, Landscaping, Lighting, Safety, Defensible Space/Deliveries, Utilities, Storm Water And Drainage, Snow Storage, Architecture, Building Orientation, Trash, Budget, Sustainability, Politics And Neighbors Etc.
* Physical, Environmental, Social, and External Influences on Sites and Their Regional Settings and Contexts.
* Impact of Zoning, Regulations & Performance Standards on Site and Landscape Design.
* Concept Planning For Sites through Relationship Diagrams, Overlay Drawing Techniques, Design Process Charts Etc.
* Contemporary Trends and Influences on Site and Landscape Designing.
* Techniques in Review of Site and Landscape Plans.
* Design Elements and Principles for Landscape Planning Of Open Spaces and Parks.

**Practical**

* Site Analysis (research, diagrams and report).
* Site plan review checklist.
* Exercises in review and selection of site for a new town and its civic components.
* Landscape plans for medium scale sites

**Proposed Teaching Methodology**

* Lecturing
* Field Visits
* Assignments

**Proposed Assessment (theory, 100%)**

**Mid Term (40%)**

* Written long/short questions, quizzes etc

**Final Term (60%)**

* Written long/short questions, quizzes etc

**Proposed Assessment (practical, 100%)**

* Presentations, assignments, report writing, viva voce, field visits etc

**Recommended Books**

1. Passe, Ulrike (2015), *Designing Spaces For Natural Ventilation*, Routledge.
2. Blake (2015), *An Introduction To Landscape And Garden Design*, Routledge.
3. James A. LaGro Jr. (2013), *Site Analysis*: *Informing Context-Sensitive and Sustainable Site Planning and Design,* 3rd Edition, John Wiley and Sons, New Jersey.
4. Stern (2013), *Paradise Planned: The Garden Suburban And The Modern City*, Monacelli Press.
5. Lynch, Gary and Hack, David (2012), *Site Planning,* 3rd Edition, MIT Press, Massachusetts.
6. Thomas Russ (2009), *Site Planning and Design Handbook,* The Mc-Graw Hill Companies, Inc., New York.
7. Leonard J. Hopper D. (2007), *Landscape Architectural Graphic Standards*, John Wiley and Sons Inc., New Jersey.
8. Watson, D. (2003), *Time-Saver Standards for Urban Design*, McGraw-Hill Professional.
9. Edward T. White (1983), *Site Analysis,* Architectural Media Ltd.