PEOPLE'S DEMOCRATIC REPUBLIC OF ALGERIA
MINISTRY OF HIGHER EDUCATION AND SCIENTIFIC RESEARCH
UNIVERSITY OF TLEMCEN — FACULTY OF TECHNOLOGY
DEPARTMENT OF ARCHITECTURE

COURSE SYLLABUS: PROJECT THEORY 03
Site Analysis, Villa Typology & Design Process

Matière / Subject : Théorie de projet 3 / Project Theory 03	**Unité / Unit :** Fondamentale / Core (UEF 2.1)
Niveau / Level : 2ème Année (Semestre 3) / 2nd Year (Semester 3)	**Coefficient / Credits :** Coef. 2
Public Cible / Target Audience : Étudiants en Architecture / Architecture Students	**Mode d'évaluation / Assessment :** 100% Examen Final / 100% Final Exam **Note éliminatoire/ Failing grade:** 7/20

Enseignant / Lecturer : Dr. BOUDALIA Nadia (nadia.boudalia@univ.tlemcen.dz)

Emploi du Temps / Schedule : Mercredi 10h30 (Amphi 1, Dép. Architecture) / Wednesday 10:30 AM (Amphi 1)

COURSE OBJECTIVES

By the end of this semester, students will be able to:

- ***Analyze the site:*** *Understand and dissect the concept of site through its 3 environments (urban, natural/bioclimatic, and built/cultural).*
- ***Develop a strategy:*** *Master site-response strategies against physical constraints (topography, climate) and establish an architectural posture.*
- ***Master typology:*** *Understand the historical evolution of the villa, from vernacular architecture to the Modern Movement.*
- ***Design & Synthesize:*** *Translate site diagnosis into architectural design concept, formal intentions, and materiality choices.*

DETAILED COURSE OUTLINE

 - Introduction: Site, Landscape & Place — Landscape analysis and integration within a landscape context.

 PART I - Chapter 1: Site & Urban Environment — The site/project/user dialectic; definitions of the site (from natural to urban); scales of urban analysis (neighborhood, neighborhood unit, spatial breakdown); and regulatory frameworks (Master Plan / Local Urban Plan).

 PART I - Chapter 2: Natural, Bioclimatic & Built Environments — Topography, geomorphology, vegetation, hydrology; solar geometry, wind patterns; building heights/gabarits, skyline, facades, and cultural integration.
 PART II - Chapter 3: Typological Evolution & Urban Insertion — Bioclimatic wisdom of the vernacular villa vs. reinvention by the Modern Movement (Wright, Le Corbusier, Mies van der Rohe); insertion in dense vs. sprawling environments; and management of site boundaries (alignment, party walls, setbacks, access points).
 PART III - Chapter 4: The Single-Family Villa & Site Responses — Architectural program, spatiality, hierarchy of spaces, public/private dialectic; topographical adaptation (sections, stilts/pilotis, terracing), bioclimatic design (orientation, thermal mass); and architectural approaches (mimicry, contrast, analogy).
 PART IV - Chapter 5: Materiality, Landscape & Project Methodology — Local materials, tectonic expression, climate-regulating facades; sequential analysis, framed views, vegetation integration; analysis of iconic landmark projects (*Fallingwater*, *Villa Savoye*); and transitioning from site diagnosis to the architectural concept (*parti*).
 - Conclusion: Review & Summary

MODE D'ÉVALUATION / *ASSESSMENT MODE*

Examen Écrit Final (100% de la note globale) : Évaluation portant sur la maîtrise des concepts théoriques, l'analyse critique d'exemples de référence et l'application méthodologique de l'analyse de site.
***[Final Written Examination (100% of final grade):** Assessment covering mastery of theoretical concepts, critical analysis of case studies, and methodological application to site analysis.]*

RÉFÉRENCES BIBLIOGRAPHIQUES / *BIBLIOGRAPHIC REFERENCES*

- **Norberg-Schulz, Christian (1979).** Genius Loci: Towards a Phenomenology of Architecture, Rizzoli, New York.
- **Von Meiss, Pierre (1986).** De la forme au lieu : Une introduction à l'étude de l'architecture, PPUR.
- **Gregotti, Vittorio (1966).** Le Territoire de l'architecture, Éditions L'Harmattan.
- **Lynch, Kevin (1960).** The Image of the City, MIT Press, Cambridge.
- **Henri Lefebvre**, The Production of Space (1974) & The Right to the City (1968) — The site as a social production, spatial practice, and the user-space dialectic.
- **Philippe Panerai, Jean Castex, & Philippe Charles**, Urban Forms: Death and Life of the Urban Block (1997) — Morphological scales, neighborhood analysis, and spatial breakdown.