

# DESIGN STUDIO III

ENAR 201

**Lecture** : 0  
**Tutorial** : 0  
**Studio** : 10

**Year : II**  
**Part : I**

## **Course Objectives:**

The objective of this course is to learn systematic methods for developing innovative design solutions, addressing user needs, standards, and regulations, and enhancing communication of concepts through presentations, drawings, and models. Upon the completion of this course, students will be able to design functional spaces using appropriate materials, structures, and a user-focused approach, while reflecting the essence of Nepali architecture rooted in both historical and contemporary practices through small scale buildings such as residential buildings.

- 1 First Studio Project (6 hours)**
  - 1.1 Project briefing
  - 1.2 Literature review
  - 1.3 Case studies selection
  - 1.4 Field research method
  - 1.5 Site briefing
  
- 2 Literature and Case study (20 hours)**
  - 2.1 Library study on standards
  - 2.2 Online study on international cases
  - 2.3 On site study of cases
  - 2.4 Stakeholder interaction
  - 2.5 Field data review
  - 2.6 Site visit and site drawings
  - 2.7 Literature and case study and site analysis presentation
  
- 3 Conceptualization (10 hours)**
  - 3.1 Program formulation
  - 3.2 Bubble diagram
  - 3.3 Conceptual design in 2D and 3D
  - 3.4 Presentation and feedback

- 4 Design Consultation and Refinement (36 hours)**
- 4.1 Design concept development
  - 4.2 Single line master plan
  - 4.3 Block model
  - 4.4 Consultation and refinement
  - 4.5 Double line floor plans with furniture layout
  - 4.6 Presentation on architecture drawings and block model with opening and roof
- 5 Final presentation and Submission of First Studio Project (15 hours)**
- 5.1 Preparation for submission
  - 5.2 Submission of Detail Architecture drawings, Detail 3d model
  - 5.3 Final Presentation and external jury feedback
- 6 Second Studio Project (8 hours)**
- 6.1 Project briefing and site brief
  - 6.2 Literature review and case study
  - 6.3 Site analysis
- 7 Design Concept and Design Development (30 hours)**
- 7.1 Program Formulation, bubble diagram and zoning
  - 7.2 Conceptual design, drawing and block model
  - 7.3 Consultation and improvisation in design
  - 7.4 Presentation and feedback
- 8 Final presentation and Submission of Second Studio Project (12 hours)**
- 8.1 Preparation for submission
  - 8.2 Submission of detail architecture drawings, detail 3D model
- 9 Final Presentation and Defense (7 hours)**
- 10 Time Problem (6 hours)**
- 10.1 Designing one of a specified facility in specific given time
  - 10.2 Submission of conceptual, architecture drawings and 3D sketches

## References

1. Ching, F.D.K. (2020). Architecture: Form, space, and order (4th edition). Wiley.
2. McGaw, D.A. (2016). Residential architecture: Design, detailing, and construction. Wiley.
3. Farrelly, L. (2013). The fundamentals of architecture. Laurence King Publishing.

4. Roger, H. C., Michael, P. (2012). *Precedents in architecture*. (4th edition). John Wiley & Sons, Inc.
5. McGraw Hill. (2003). *Time-saver standards for architectural design* (8th edition). McGraw Hill.
6. Neufert, E. (2012). *Architect's data* (4th edition). Wiley-Blackwell.