

INTRODUCTION TO ARCHITECTURE

AR 102

Lecture : 2
Tutorial : 0
Practical : 0

Year : I
Part : I

Course Objectives:

This course aims to provide students with a comprehensive introduction to the field of architecture and its relation with society, culture, religion, technology, political and the built environment. Students will also gain an understanding of the profession of architecture, its scope and opportunities, its relation with other professions, and the rules and regulations of architecture in Nepal.

1 Introduction to the field of architecture (2 hours)

- 1.1 General Definition of Architecture, Definition by pioneer /master architects
- 1.2 Architectural education in Nepal

2 Architecture, built environment and the society (6 hours)

- 2.1 Built Environment
 - 2.1.1 Definition of Built Environment
 - 2.1.2 Internal and External Built Environment
 - 2.1.3 Three Concepts of Siegfried Gideon with respect to Architecture and Built Environment
- 2.2 Building and Society – Buildings evolution as social needs, values and society
- 2.3 Architecture and its societal objectivity and responsibility
 - 2.3.1 Architecture and its Interpretation (semantics)
 - 2.3.2 Architecture and its role in achieving societal purpose.

3 Social cultural and religious context of architecture (5 hours)

- 3.1 Social Context : Social influences in Architectural Development
 - 3.1.1 Architectural manifestations: Cave House, House of Labor's at Kahun, Newar's House, Igloo House, Palace, Agora.
- 3.2 Religious Context: Architectural development based on religious beliefs and way of worship
 - 3.2.1 Architectural manifestations: Temples, Churches, Mosque, Pyramid Parthenon of Greek, Great temple of Egypt
- 3.3 Cultural Context: Notions of cultural accretions and architectural development
 - 3.3.1 Architectural manifestations: The roman accretions of ornamentations; Nepalese architecture from Lichhavi to Malla period

- 4 Technology and Material Context of Architecture (4 hours)**
- 4.1 Brief Introduction to technology and material use in Different Periods of Architecture: Prehistoric to Contemporary period
 - 4.2 Brief Introduction to technology and material use in traditional Nepalese (Newar) Architecture (Malla period Residences and Temples)
- 5 Site City and Ecological Context of Architecture (2 hours)**
- 5.1 Civic Architecture
 - 5.2 Architecture and public spaces
- 6 Site City and Ecological Context of Architecture (5 hours)**
- 6.1 Site and its Nature
 - 6.1.1 Site as determinants
 - 6.1.2 Site and its socio-cultural factors
 - 6.2 Site, Environment and Ecology
 - 6.2.1 Religious
 - 6.2.2 Symbiotic relationships
 - 6.2.3 Exploitative
 - 6.3 Brief Introduction to Sustainable Design, Ecological Sustainability and Green Building Design
- 7 Architecture and its relationship with allied professionals; Role and Relation of Architect, Client and Contractor (2 hours)**
- 8 The Profession of Architecture in Nepal (since 1950s) (2 hours)**
- 8.1 Career opportunities in Public and Private Sector; In Nepalese Context
- 9 Planning and Building Controls, Bye-laws (2 hours)**
- 9.1 Brief Introduction to land use planning and zoning
 - 9.2 Building Bye Laws – GCR, FAR, Set back, ROW, Light Plane
 - 9.3 National Building Code

Assignments

1. Presentation and report on different structures with respect to Different Periods of Architecture focusing on physical aspects, socio cultural and religious aspects, material and technology.
2. Presentation and report on different structures Nepalese context focusing on physical aspects, socio cultural and religious aspects, material and technology.

Reference

1. F.D.K. Ching, A Visual Dictionary of Architecture, 19th Edition. New York: VNR Publications, 1997.
2. B. Fletcher, A History of Architecture, 20th Edition. India: CBS,1999
3. W.G. Korn ,Traditional Architecture of Kathmandu Valley, Nepal: Ratna Pustak Bhandar, 2007
4. J. Gympel , The Story of Architecture - From Antiquity to the Present , Imago Publishing Ltd: 1996
5. J. Pallasmaa, The Eyes of the Skin, 3rd Edition. Wiley Publication ,2012
6. National Building Code, Building Bye Laws
7. Building and Society: Essays on the social Development of the Built Environment, 1st edition, Anthony D.King(1980)