

# ARCH 121 – INTRODUCTION TO ARCHITECTURE I

## LECTURE NOTES:

### WEEK 1 - Introduction: Definition of Architecture and the Architect:

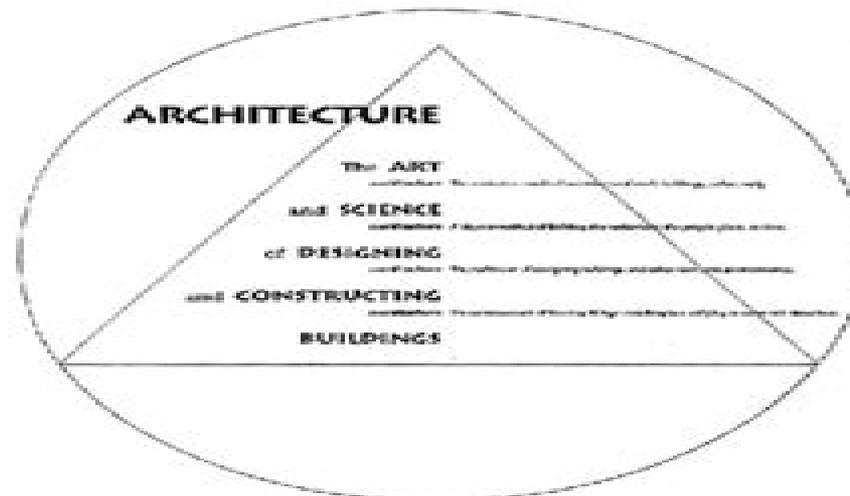
#### 1. Definition of Architecture

Architecture could be basically defined as 'the art and science of designing and constructing buildings'. As a word, 'architecture' can carry several other meanings, such as:

1. The product or result of architectural work: buildings, urban areas and landscapes.
2. A style or method of building characteristic of a people, place or time.
3. The profession of designing buildings and other habitable environments by architects.
4. The conscious act of forming things resulting in a unifying or coherent structure.<sup>1</sup>

In its most simple form, architecture is the design and organization of spaces, and in its most common form, it is the design of buildings, their interiors and surrounding spaces.

The architect acts a designer, who can work in a wide range of scales, from a scale as large as the planning of a city, up to a scale as small as the design of a chair.



Ching, F., Visual Dictionary of Architecture

#### 2. Etymology of the Word 'Architecture'

Etymologically (in terms of the root of the word), the word 'architecture' comes from the Greek *arkhitekton* ([ἀρχιτέκτων](#)), which is a combination of the word *arkhi*, meaning "chief" or "master", and *tekton*, meaning "mason" or "builder". In line with the etymology, architecture

<sup>1</sup> Ching, F., Visual Dictionary of Architecture

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**Construction Index**, 1990 *Advances on Mechanics, Design Engineering and Manufacturing* Benoit Eynard, Vincenzo Nigrelli, Salvatore Massimo Oliveri, Guillermo Peris-Fajarnes, Sergio Rizzuti, 2016-09-02 This book gathers papers presented at the International Joint Conference on Mechanics Design Engineering and Advanced Manufacturing JCM 2016 held on 14 16 September 2016 in Catania Italy It reports on cutting edge topics in product design and manufacturing such as industrial methods for integrated product and process design innovative design and computer aided design Further topics covered include virtual simulation and reverse engineering additive manufacturing product manufacturing engineering methods in medicine and education representation techniques and nautical aeronautics and aerospace design and modeling The book is divided into eight main sections reflecting the focus and primary themes of the conference The contributions presented here will not only provide researchers engineers and experts in a range of industrial engineering subfields with extensive information to support their daily work they are also intended to stimulate new research directions advanced applications of the methods discussed and future interdisciplinary collaborations *The University of Virginia Record* University of Virginia, 2007 **The Chautauquan**, 1881 **Catalogue of the Library of the Graduate School of Design, Harvard University** Harvard University. Graduate School of Design. Library, 1968 *Untimely Moderns* Eeva-Liisa Pelkonen, 2023-01-01 A novel exploration of the idea of nonlinear time and its place at the heart of modern art and architecture Through much of the twentieth century a diverse group of thinkers engaged in an interdisciplinary conversation about the meaning of time and history for modern art and architecture The group included architects Louis Kahn Everett Victor Meeks James Gamble Rogers Paul Rudolph and Eero Saarinen artists Anni and Josef Albers philosopher Paul Weiss and art historians Henri Focillon George Kubler Sibyl Moholy Nagy and Vincent Scully These figures were unified by their resistance to the idea that to be considered modern art and architecture had to be of its time as well as by the pivotal role that Yale University held as a backdrop to their thinking These thinkers sponsored a new kind of approach one that Eeva Liisa Pelkonen terms untimely emphasizing a departure from a sequential course of events Ideas about temporal duration new tradition the presence of the past and the shape of time were among the concepts they explored With an interdisciplinary focus Pelkonen reveals previously unexplored connections among key figures of American intellectual and artistic culture at midcentury whose works and words would shape modern architecture *Architect*, 1872 **Automotive Software-Connected Services in Mobile Networks** Manfred Broy, Ingolf Krüger, Michael Meisinger, 2006-10-04 This book constitutes the thoroughly refereed post proceedings of the First Automotive Software Workshop ASWD 2004 held in San Diego CA USA in January 2004 The 10 revised full papers presented were carefully reviewed and selected from 26 lectures held at the workshop that brought together experts from industry and academia working on highly complex distributed reactive software systems related to the automotive domain **Literary Digest: a Repository of Contemporaneous**

**Thought and Research as Presented in the Periodical Literature of the World** Edward Jewitt Wheeler, Isaac Kaufman Funk, William Seaver Woods, 1913    **The Bookseller** ,1882 Official organ of the book trade of the United Kingdom    **The Freemason's Chronicle** ,1889    The Annual American Catalogue ,1887    **Literature** Henry Duff Traill, 1898  
Publishers' Circular and Booksellers' Record of British and Foreign Literature ,1914    **John O'London's Weekly** ,1921  
**The Encyclopedia Britannica** James Louis Garvin, Franklin Henry Hooper, Warren E. Cox, 1929    *Athenaeum and Literary Chronicle* James Silk Buckingham, John Sterling, Frederick Denison Maurice, Henry Stebbing, Charles Wentworth Dilke, Thomas Kibble Hervey, William Hepworth Dixon, Norman Maccoll, Vernon Horace Rendall, John Middleton Murry, 1906  
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