ARCHITECTURE 1100:
INTRODUCTION TO ARCHITECTURE

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ARCH 1100: INTRO TO ARCHITECTURE
LECTURE 1: What is Architecture?

SKETCHING AND NOTE TAKING

ARCH 1100: INTRO TO ARCHITECTURE
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WHAT IS ARCHITECTURE?

1. “The art and science of designing and erecting buildings.”
WHAT IS ARCHITECTURE?

2. “A style and method of design and construction”

Taos Pueblo/Taos New Mexico

WHAT IS ARCHITECTURE?

3. “Buildings and other large structures”

4. “Orderly arrangement of parts, structure”

The American Heritage® Dictionary of the English Language, Fourth Edition
WHAT IS ARCHITECTURE?

ART and SCIENCE
REGIONAL IDENTITY
REFLECTION OF PLACE AND TIME

GUGGENHEIM MUSEUM, BILBAO, 1997

PRITZKER PAVILION

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MILWAUKEE ART MUSEUM, 2004

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WHAT IS ARCHITECTURE?

Marcus Vitruvius, Ancient Roman Architect, 25 B.C.

Defined Architecture as “Firmitatis, utilitatis, venustatis”

“Commoditie, Firmness and Delight”

as paraphrased by Sir Henry Wotten, 1624

ART AND SCIENCE

WHAT IS ARCHITECTURE?

COMMODITE FIRMNESS AND DELIGHT
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Laugier's "Primitive Hut" from his Essays on Architecture, 1755

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Stonehenge, Salisbury Plain, ca 2900 – 1400 BC

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WHAT IS ARCHITECTURE?

Cultural Artifact:

Gives us insight about the culture that created it.

“a projection of a society on the ground”

Illustrates cultural values, beliefs and ambitions.

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EVALUATING ARCHITECTURE

Form – square/rectangle, large/small, solid/open

Function - building type mausoleum, temple or palace

Material – stone, metal, glass, crude or finished

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EVALUATING ARCHITECTURE

Material – *material determined by resources*
- *shape is often associated with technology and workforce*

Stepped Pyramid of Zoser
3rd Dynasty
text: ca. 2800 B.C.
location: Saqqara, Egypt

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EVALUATING ARCHITECTURE

PLACE / TIME
Where – *type of settlement; urban, suburban, rural*
Where – *climate: arctic/equator, desert/jungle*
Where – *site specifics, view, roads, neighboring structures*

The Acropolis
450-430 B.C.
location: Athens, Greece

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MACHU PICCHU, 1460-1470 AD

MESA VERDE, COLORADO (approx. 1200 AD)
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PLACE / TIME

When – chronological period
When – stylistic associations
When – cultural associations

MEANING

Why – choices, what is given priority, what is compromised
Why - building type shows what is valued by each culture
Who – location of power and authority
Who – is an architect defined by nature of problem

VILLA SAVOYE, POISSY (NR. PARIS) LE CORBUSIER

The Parthenon
447-438 B.C.
Athens, Greece
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ARCHITECTURE AS IDEA

Project: BMW Central Building
Architect: Zaha Hadid
Concept:
The brain, or active nerve center

"The Central Building is the active nerve-center or brain of the whole factory complex [where] all the threads of the building’s activities gather together and branch out again from here."

ARCHITECTURE AS IDEA

Concept as organizational tool:
Connectivity and Interaction

"The Central Building is the active nerve-center or brain of the whole factory complex [where] all the threads of the building’s activities gather together and branch out again from here."
ARCHITECTURE AS IDEA

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ARCHITECTURE AS IDEA

JEWISH MUSEUM, BERLIN
DANIEL LIBESKIND

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ARCHITECTURE AS IDEA

“A house is a machine for living in”

Vers un Architecture, Le Corbusier

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Cultural association with place and time
ARCHITECTURE AS IDEA

• 5 points of Architecture

1 Free Plan Separation of structure and enclosure allows rooms to flow from one to another
2 Free Facade Separation of structure and enclosure also allows uninterrupted windows
3 Pilotis Raising the building from the ground separates it from dampness and opens it to light and air
4 Ribbon Windows Continuous windows provide broad views creating a visual and psychological link with outdoors
5 Roof Terrace Flat roofs allow for the roof to be functional space and to provide a private and protected outdoor space

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1. FREE PLAN

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2. FREE FACADE

3. PILOTIS
4. RIBBON WINDOWS

5. ROOF TERRACE
Architecture as IDEA preceeds Architecture as OBJECT

• Drawings develop and communicate idea
  
  Sketches
  Plans
  Sections
  Elevations
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PLANS

GROUND

MAIN

ROOF

SECTIONS AND ELEVATIONS

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DRAWINGS BECOME ARCHITECTURE

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