architecture what is it?
definitions of architecture
What is architecture anyway?

Is it the vast collection of the various buildings which have been built to please the varying taste of the various lords of mankind? I think not. No, I know that architecture is life, or at least it is life itself taking form and therefore it is the truest record of life as it was lived in the world yesterday, as it is lived today or ever will be lived.

So architecture I know to be a Great Spirit.

-Frank Lloyd Wright, from AN ORGANIC ARCHITECTURE, 1939
The Architect is the rival of nature, and out of it can form another nature...he can subject the world to the newness that stimulates the chance movements of his imagination.

-Claude-Nicholas Ledoux (18th/19th century)
Parthenon, Acropolis, Athens 447-432 B.C.
I would certainly never have entered this profession only to become a copyist.

- Francesco Borromini

San Carlo alle Quattro Fontane (facade), Rome Italy, 1665-76
Architecture is the will of the epoch translated into space. Until this simple truth is clearly recognized, then new architecture will be uncertain and tentative. Until then it must remain a chaos of undirected forces. The question as to the nature of architecture is of decisive importance. It must be understood that all architecture is bound up with its own time, that it can only be manifested in living tasks and in the medium of its epoch. In no age has it been otherwise.

Mies van der Rohe, 1924
A PRIMITIVE TEMPLE

A. Entrance.
B. Portico.
C. Peristyle.
D. Sanctuary.
E. Instruments of worship.
F. Vase of oblation.
G. Altar.
We who love architecture and recognize it as the great sense of structure in whatever is—music, painting, sculpture, or life itself—we must somehow act as intermediaries—maybe missionaries.

-Frank Lloyd Wright
Renzo Piano on Architecture
telling a story
architecture is an art
Architecture goes beyond providing mere shelter.
The purpose of architecture is to enrich the lives of those who come in contact with those works.
The purpose of architecture, the purpose of art, is to evoke a strong, positive, emotional, memorable response.
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an order, not the order
Architecture, as opposed to mere building is the realization of a manifest order, appropriately conceived, logically developed, conditioned and disciplined, coherent through consistency, animated with wit, and enlivened with spirit.
A work of architecture must address a single, strong, identifiable idea that is developed through the details.

The design must play upon the single idea with all parts relating back to and informing the whole.
Profile and contour are the touchstone of the Architect. Here he reveals himself as artist or mere engineer... There is here no longer any question of custom, nor of tradition, nor of construction, nor of adaptation to utilitarian needs.

- Le Corbusier
Architectural design cannot be charted. It starts with the emotional, it starts with the intuitive.
there is a tendency is to take something simple and turn it into something that is so complex that it becomes incoherent.

the *essence of architecture* is very modest.
what is integration?
Shaped from different circumstances
Order does not imply Beauty
The same order created the dwarf and Adonis
Design is not making Beauty
Beauty emerges from selection
affinities
integration
love
Art is a form making life in order - psychic
Order is intangible
It is a level of creative consciousness forever becoming higher in level
The higher the order the more diversity in design
Order supports integration
From what the space wants to be the unfamiliar may be revealed to the architect.
From order he will derive creative force and power of self-criticism to give form to this unfamiliar.
Beauty will evolve
Integration (definition)

n 1: the action of incorporating a racial or religious group into a community [syn: integrating, desegregation] [ant: segregation] 2: the act of combining into an integral whole; "a consolidation of two corporations"; "after their consolidation the two bills were passed unanimously"; "the defendants asked for a consolidation of the actions against them" [syn: consolidation] 3: an operation used in the calculus whereby the integral of a function is determined

coalition
Definition:  alliance
Synonyms:  affiliation, allied group, amalgam, amalgamation, anschluss, association, bloc, coadunation, combination, combine, compact, confederacy, confederation, conjunction, consolidation, conspiracy, faction, federation, fusion, integration, league, melding, mergence, merger, merging, party, ring, unification, union
Antonyms:  nonalignment

concatenation
Definition:  connection
Synonyms:  chain, connecting, continuity, integration, interlocking, link, linking, nexus, sequence, series, succession, uniting
Antonyms:  disintegration, dispersion, interruption

harmony
Definition:  correspondence
Synonyms:  accord, agreement, articulation, balance, chime, concord, concordance, conformance, conformity, congruity, consistency, consonance, fitness, form, integration, integrity, oneness, order, parallelism, proportion, regularity, suitability, symmetry, togetherness, tune, unity
**fusion**
Definition: melding
Synonyms: admixture, alloy, amalgam, amalgamation, blend, blending, coadunation, coalescence, coalition, commingling, commixture, compound, federation, heating, immixture, integration, intermixture, junction, liquefaction, liquification, melting, merger, merging, mixture, smelting, synthesis, unification, union, uniting, welding

**synthesis**
Definition: combining
Synonyms: amalgam, amalgamation, blend, coalescence, combination, composite, compound, constructing, construction, entirety, forming, fusion, integrating, integration, making one, organism, organization, structure, unification, union, unit, welding, whole
**embodiment**
Definition: representation
Synonyms: apotheosis, archetype, cast, collection, comprehension, conformation, embracement, encompassment, epitome, example, exemplar, exemplification, expression, form, formation, incarnation, inclusion, incorporation, **integration**, manifestation, matter, organization, personification, prosopopoeia, quintessence, realization, reification, structure, symbol, systematization, type

**completion**
Definition: accomplishment
Synonyms: achievement, attainment, close, conclusion, consummation, culmination, curtains, dispatch, end, expiration, finalization, finish, finishing, fruition, fulfillment, hips, **integration**, perfection, realization, swan song, windup, wrap-up
towards a new architecture
The Liner 'France' made in the Saint-Nazaire yards.

Eyes which do not See
ocean liner as building
the product of close selection
Delage, 1921

chassis and mass production
Paestum: Basilica, Doric Order

Le Corbusier, dom-ino paradigm

the frame: structure as underlying chassis
Delage front-wheel brake

precision and execution
Michelangelo’s Capital in Rome, 1546

Le Corbusier’s Villa at Garches, 1927
Longitudinal section of six-cylinder Ricardo Engine

Exploded axonometric plan of Crawford House by Morphosis
Architecture is the art above all others which achieves a state of plastic grandeur, mathematical order, speculation, the perception of harmony which lies in emotional relationships.

This is the aim of architecture.

-Le Corbusier
I saw that architecture was:
the magnificent play of forms in light,
a coherent intellectual system.
For architecture has nothing to do with decoration.
architecture and jazz music
Ken Burns Jazz, Episode 6: Swing

Social, economic, political context
Depression vs. entertainment
Commercialism verses individual expression

Swing: velocity of celebration
Marsalis commentary
Definition of swing: willful participation with style and in a groove
asking you to Listen

the evolutionary nature of the idiom, learning from its own history
multiple cross-influences
regions of the US: New York City vs. Kansas City

Kansas City sound
syncopated conversations
between reed and brass sections
Call and response
Head arrangements
blues connection: musicians from different places

The rise of the saxophone:
the sound was transformed in the hands of the jazz musician exhilarating and seductive

Coleman Hawkins vs. Lester Young as opposites personality and its relationship to one’s approach to the music

Count Basie: makes the bubbles rise space and time in jazz

Lester and Holiday collaboration: one mind

Count Basie, an alternative to commercial swing
the Swinginest Band in the Land
rhythmic precision

music as medicine

listening to jazz: everybody is telling a story
JOHANN WOLFGANG VON GOETHE
(1749-1832, playwright/philosopher)

I call architecture frozen music.
Letter to Eckerman, Mar. 23, 1829
Le Corbuiser and Josephine Baker at a costume party on board the *Julius Caesar*, 1929. Le Corbusier was forever dressing up as a clown or convict at such parties.

Charles Jencks, in his book *The Tragic View of Architecture*, states, Le Corbusier found...in the hot jazz of Louis Armstrong, 'implacable exactitude', 'mathematics, equilibrium on a tightrope' and all the masculine virtues of the machine. He describes a particularly moving encounter with the black singer Josephine Baker, whom he met while traveling to South America in 1929: 'In a variety show, Josephine Baker sang "Baby" with such an intense and dramatic sensibility that I was moved to tears. There is in this American...music a lyrical "contemporary" mass so invincible that I could see the foundation of a new sentiment of music capable of being the expression of the new epoch and also capable of classifying its European origins as stone-age - just as has happened with the new architecture. A page turns. A new exploitation arises. *Pure music*...
Born in 1946 in Poland, Daniel Libeskind first studied music in Lodz and continued his musical education through the America-Israel Cultural Foundation Fellowship in Israel and then New York. On moving to America in 1960 he became interested in architecture via his involvement in mathematics and painting.

He became a virtuoso performer, then left music to study architecture.

a machine for producing gods

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Like a Frank Lloyd Wright, Paul Rudolph possessed a rare ability to conceptualize architectural space, and he became a master of its handling. Both architects had been raised as musicians in their early years, and their work can be thought of in such musical terms as rhythm and harmony, theme and variation, proportion, balance, and composition. There is a lyrical quality to their work, in the ways that they played the ebb and flow of space, enclosure and openness, movement and stasis. Each was acutely aware of spatial experience and the opportunity for beauty and composition.

Joseph King, Paul Rudolph The Florida Houses
architectural parallel
..we have presented a studio course, or if you prefer, a laboratory or workshop course which opposes an administrative attitude of “theory and practice.” Naturally practice is not preceded but followed by theory. Such study promotes a more lasting teaching and learning through experience. Its aim is development of creativeness realized in discovery and invention — the criteria of creativity, or flexibility, being imagination and fantasy. Altogether it promotes “thinking in situations,” ... it is time to advocate again a basic step-by-step learning which promotes recognition of insight coming from experience, and evaluation resulting from comparison. This, in sum, means recognition of development and improvement, that is, of growth, growth of ability. This growth is not only a most exciting experience; it is inspiring and thus the strongest incentive for intensified action, for continued investigation (search instead of re-search), for learning through conscious practice.

Josef Albers
Jazz can be regarded as:
a system of structure and form
a system of rational, intellectual, and emotional order
a system of logical consistency
a system of variations and themes
a system of constants and variables
a system of transitional elements; points of decision
a system of subliminal balances
a system of surprise and spontaneity; handling the common uncommonly
a system of cues, clues, and references
a system of parts to make the whole
a system of beginnings, middles, and ends

The Jazz Studio engages the parallel use of the basic principles intrinsic to both jazz improvisation and architecture. Like jazz, architecture is hard to define.
The Key Questions:

1. How does the architect control size and shape, treatment, location, and orientation of physical architectural elements?
   *the four major components of architecture.*

2. How does the architect define constant and variable elements and relationships?
   *order as logical consistency.*

3. How does the architect formally manipulate, orchestrate, and integrate place-spaces, path-spaces, and transition-spaces into multiple dynamic sequences of movement?
   *the unfolding of space; an experiential art yielding aesthetic, invigorating, and interesting architectural experiences.*

4. How does the building interact and relate to its site?

5. How are differentiated views framed?

6. How does the building change its appearance under variable external conditions?
   *rain, snow, sun, cloudy, fog.*

7. What is the building’s relationship to the ground?

8. How does the building’s profile relate to the sky and horizon beyond?

9. How does the architecture become a system of signification or meaning?
   *the making of better and meaningful places to live, play, and work.*
architecture what is it?