

# Architecture, Design & Composition Studio

Fall 2006, CMU, Arch #48-200, M/W/F 1:30-4:20  
 Class Website: [www.andrew.cmu.edu/course/48-200](http://www.andrew.cmu.edu/course/48-200)

Coordinator: Kai Gutschow  
 Email: [gutschow@cmu.edu](mailto:gutschow@cmu.edu)  
 Off. Hr: M/W 12:30-1:30pm & by appt. in MM202

(7/26/06)

## 48-200 BUILDING STUDIES - SUMMER 2006

### MINDSET

The goal is to build on your analysis skills from 1<sup>st</sup> year, and to help prepare you for the upcoming 2<sup>nd</sup> year "Composition" studio by expanding your exposure to significant works of architecture. Your mission is to discover and expose the underlying compositional intentions and resultant experiences of assigned buildings so that they become part of a "visual library" of examples to learn from. This exercise is concerned with the HOW and WHY of architecture, leading to discussions on "WHAT is architecture?" A successful resolution will require intense curiosity, creative thinking, critical understanding, and above all a passion for thinking about architecture.

### YOUR WORK & PROCESS

Using any sources you can get a hold of, including the internet and your local library, research the 4 assigned houses listed below (based on last name), as well as 1 building assigned to you on the second page, and take LOTS of notes in the form of sketches (avoid words) in your sketchbook.

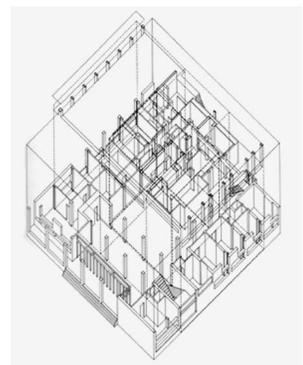
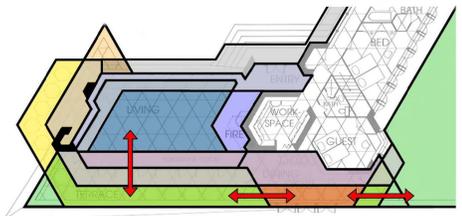
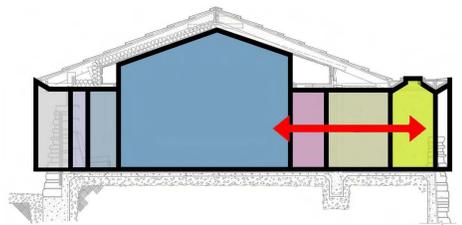
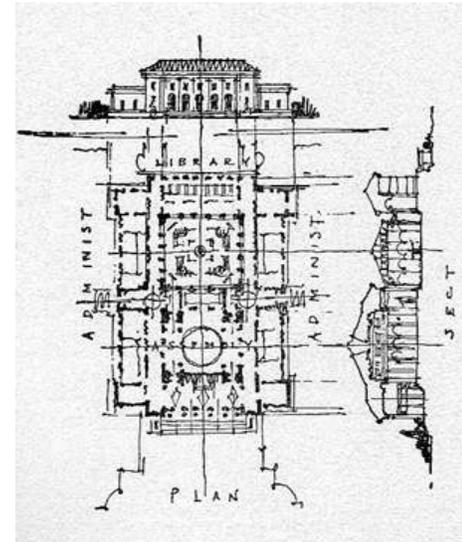
Think about, analyze, and seek to understand the design and composition of these building "specimens." Search for "systems" and compositional "principles" in order to discover the architectural "language," and the arrangement of important architectural elements and spaces. Investigate your building at different scales, from details and materials, to major axes and context. Imagine yourself walking up to and through the building, and how all of your senses would be stimulated.

Sketch the architecture, diagram the major ideas, spaces, and transitions. Relate these to smaller building elements and details. Look for issues of geometry, structure, site, orientation, enclosure, approach, circulation, light, materials, rhythms, and all the aspects and elements of form, space, and architecture that you explored in the 1<sup>st</sup> year. Think about material, as well as immaterial issues. Seek to understand *WHAT* the architect intended with the overall design and each detail, and *WHY* the architect "composed" it that way.

### ASSIGNMENT: DUE: Mon. Aug. 28, 2006

Find the best and most appropriate way of representing the unique composition and architectural intent underlying your buildings. Using a soft but sharp wood pencil, create *freehand, but precise* drawings of the main *plan(s)*, major *section(s)*, principle *elements*, and ingenious *details*, and how they relate to each other. Feel free to borrow from any photos, existing drawings or analytical diagrams you can find that present the most significant design qualities of each building; or create your own interpretations, being sure the representation reinforces the ideas.

Then carefully select, edit, and *compose* the most important drawings (plan & section req'd) of each building on a separate, landscape-oriented, 8.5"x11" paper. If necessary, draw at a larger scale, and then xerox reduce to the proper size. Create a cover sheet with your name, staple neatly, and submit all 6 pages (5 buildings + cover) to the 2nd year coordinator on Aug. 28. Before submitting, please also scan all pages, and create a medium resolution pdf file, which will be submitted after classes begin.



	Building Name	Architect	Location	Date
<b>Students with last names A-K</b>	1 Chiswick House	Lord Burlington	Chiswick, England	1729
	2 Robie House	Wright, Frank Lloyd	Chicago, IL	1909
	3 Smith House	Meier, Richard	Darien, CT	1967
	4 Koshino House	Ando, Tadao	Ashiya, Japan	1979
<b>Students with last names L-Z</b>	5 Villa Giulia	Vignola, Vasari et al	Rome, Italy	1550
	6 Schindler-Chace Hse.	Schindler, Rudolf	Los Angeles, CA	1922
	7 Villa Stein at Garches	Le Corbusier	Garches, France	1927
	8 Wall House (Bye)	Hejduk, John	Groningen, Neth.	1973

One more building assigned on next page...

In addition to the four houses on p.1, document the landmark assigned to your name below. Feel free to investigate other buildings on the list on your own...

Student	Building Name	Architect	Location	Date	Student	Building Name	Architect	Location	Date
1 Azoulai	Library	Aalto, Alvar	Viipuri, Finland	1930	49 Tanski	Haus Schminke	Scharoun, Hans	Lobau, Germ.	1932
2 Boo	4x4 House	Ando, Tadao	Kobe, Japan	2002	50 Topinka	Lovell Beach Hse.	Schindler, Rudolf	Newport Beach	1926
3 Bottini	Villa Snellman	Asplund, Gunnar	Stockholm	1917	51 Triulzi	Casa del Fascio	Terragni, Giuseppe	Como, Italy	1932
4 Butchko	Public Library	Asplund, Gunnar	Stockholm	1928	52 Varshavsky	Villa Bianca	Terragni, Giuseppe	Seveso, Italy	1936
5 Calma	Casa Barragan	Barragan, Luis	Mexico	1947	53 Vollrath-Smith	Mobius House	UN Studio	Het Gooi, Neth	1993
6 Choi, Na	Torus House	Cohen, Preston	Old Chatham	2001	54 Warman	Orphanage	van Eyck, Aldo	Amsterdam	1955
7 Choi, Seok	Lyndhurst	Davis, Andrew J.	Tarrytown, NY	1836	55 Williams	Mother's House	Venturi, Robert	Chestnut Hill	1962
8 Chung	Slow House	Diller & Scofidio	Long Island	1990	56 Yang	David Wright Hse.	Wright, Frank L.	Phoenix, AZ	1953
9 Cohn	Gehry House	Gehry, Frank	Santa Monica	1978	57 Yankowski	Unity Temple	Wright, Frank L.	Oak Park, IL	1906
10 Coleman	Wynton Guest Hse.	Gehry, Frank	California	1983	58 Yip	Thermal Baths	Zumthor, Peter	Vals, Switz.	1996
11 Dacic	Carter Tucker Hse	Godsell, Sean	Australia	2000	59 Zhang	Kunsthau	Zumthor, Peter	Bregenz, Switz	1990
12 Folliard	Hanselman Hse.	Graves, Michael	Fort Wayne, IN	1967	60 ??	Vitra Fire Station	Hadid, Zaha	Weil, Germany	1994
13 Friedman	Gropius House	Gropius, Walter	Lincoln, MA	1937					
14 Gallot	Digital House	Hariri & Hariri	(project)	1998					
15 Giacomarra	Chapel St. Ignatius	Holl, Steven	Seattle, WA	1994					
16 Gregson	Y House	Holl, Steven	Catskills, NY	1997					
17 Grundy	Monticello	Jefferson, Thomas	Charlottesville	1768					
18 Harari	Glass House	Johnson, Philip	New Canaan	1949					
19 Hartkopf	Kimball Art Museum	Kahn, Louis	Fort Worth, TX	1966					
20 Helmstetter	Exeter Library	Kahn, Louis	Exeter, NH	1967					
21 Hirt	House at Bordeaux	Koolhaas / OMA	Bordeaux, Fr.	1989					
22 Hong	Villa Savoye	Le Corbusier	Poissy, France	1929					
23 Hsu	House at Mathes	Le Corbusier	Mathes, France	1935					
24 Jackman	Maison Weekend	Le Corbusier	La-Celle, Fr.	1935					
25 Jeong	Chapel Ronchamp	Le Corbusier	Ronchamp, Fr.	1950					
26 Kennedy	Parliament	Le Corbusier	Chandigarh	1951					
27 Kim, Jen.	La Tourette	Le Corbusier	Lyon, France	1953					
28 Kim, Pat.	Jaoul Houses	Le Corbusier	Nueilly, France	1954					
29 Knutsen	Carpenter Center	Le Corbusier	Cambridge, MA	1961					
30 Kuhns	Hotel Montmorency	Ledoux, Claude N.	Paris, France	1769					
31 Lee	Rufer House	Loos, Adolf	Vienna, Austria	1922					
32 Lu	Müller House	Loos, Adolf	Prague, Czech	1930					
33 Matsuura	Giovanitti House	Meier, Richard	Pittsburgh, PA	1983					
34 Pacey	Tugendhat House	Mies van der Rohe	Brno, Czech	1929					
35 Park, Jae	Moore House I	Moore, Charles	Orinda, CA	1961					
36 Park, Jon.	Magney House	Murcutt, Glen	NSW, Australia	1982					
37 Patel	Done House	Murcutt, Glen	Mosman, Austr	1988					
38 Perry	Double House	MVRDV	Utrecht, Neth.	1995					
39 Racharaks	Kaufman House	Neutra, Richard	Palm Springs	1946					
40 Reeves	Villa Rotunda	Palladio	Vincenza, Italy	1566					
41 Rivera	Barnes House	Patkau, John	British Columb.	1992					
42 Roll	Fond. Beyeler	Piano, Renzo	Basel, Switz.	1997					
43 Rosman	Watts-Sherman Hse	Richardson, H.H.	Newport, RI	1874					
44 Silverstein	Rietveld-Schroder Hse.	Rietveld, Gerrit	Utrecht, Neth.	1924					
45 Smith	Siegrist Residence	Rudolph, Paul	Venice, FL	1953					
46 Spring	Yale Art & Arch.	Rudolph, Paul	New Haven	1961					
47 Sun	MIT Chapel	Saareinen, Eero	Cambridge, MA	1955					
48 Taccioli	Farnese Palace	Sangallo, Antonio	Rome, Italy	1514					

### Books / Bibliography / Resources:

For Building Studies:

[www.library.cmu.edu/Research/Arts/Architecture/48-200.html](http://www.library.cmu.edu/Research/Arts/Architecture/48-200.html)

[www.greatbuildings.com](http://www.greatbuildings.com) + CD-ROM in Hunt Library

**Clark, & Pause**, *Precedents in Architecture* 3<sup>rd</sup> ed. (2005)

**Weston, R..** *Key Buildings of the Twentieth Century* (2005)

**Riley, T.,** *Un-Private House* (1999)

**Baker, G.H.** *Design Strategies in Architecture* (1996)

**Curtis, W.** *Modern Architecture since 1900* 3rd ed. (1996)

**Dunster, D..** *Key Buildings of the Twentieth Century*. 2 vols. (1990)

**Eisenman, P.** *Giuseppe Terragni. Transformations...* (2003)

**Frampton, K. & Y. Futagawa.** *Modern Architecture 1851-1945* (1983)

**Haraguchi, H.** *A Comparative Analysis of 20th-Century Houses*. (1989)

**Herbert, D.M.** *Architectural Study Drawings* (1993)

**Krier, R.** *Architectural Composition* (1988)

**Leupen, B., et al.** *Design and Analysis* (1997)

**McCarter, R.** *On & By F.L. Wright. A Primer on Arch'l Principles* (2005)

**Meiss, P.v.** *Elements of Architecture* (1990)

**Rasmussen, S.E.** *Experiencing Architecture* (1964)

**Unwin, S.** *Analyzing Architecture* (1997, 2003)

For 48-200 Studio:

**Ching, Fr.** *Architecture: Form, Space, Order* (1996) (**Textbook**)

**Yee, R.** *Architectural Drawing. A Visual Compendium* (optional)

**Pallasmaa, J.** *The Eyes of the Skin* (optional)

For History Survey (48-240, Prof. Shaw):

**Moffett, Marian, and others.** *Buildings Across Time* (2004)

**Studio Website:**

<http://www.andrew.cmu.edu/course/48-200/>

**48-200 Field Trip:**

To **CHICAGO**. Date TBA (ca. end Sept.). Cost: \$200+