

**University of Southern California**  
**School of Architecture**  
Spring Semester 2017

**Arch 214A**

**World History of Architecture**

Part I: 4500 B.C.E to 1500 A.D.

GFS 106, Wednesday and Friday 10:00 A.M to 11:20 A.M

**Faculty:**

**Professor James Steele:** [jamesmcleodsteele@gmail.com](mailto:jamesmcleodsteele@gmail.com)

Office hours: Tuesdays and Thursdays 10:00-12:00, and by appointment

**Course Coordinator:**

**Susanna Woo Seierup:** [seierup@usc.edu](mailto:seierup@usc.edu)

Office Hours: Thursdays 12:00 – 1:00, by appointment

**Introduction:**

Arch 214a presents an overview of the history of architecture from the Prehistoric period through the 16th century from a global perspective. It is based on a five-part structure to ensure complete coverage. In alphabetical order, this is: (1) Africa (2) Asia (3) Europe (4) The Americas (5) West Asia. For clarity, this part of the survey will be divided into chronologically coherent groupings, related to discernable similarities, as well as seven distinct sections, entitled I: The Search for Meaning in the Cosmos, II: River Cultures of the World, III: The First Civilizations: Egypt and China, IV: The Origins of Classical Greece, Apogee and Legacy, V: The Rise and Fall of Empires, VI: The Age of Faiths, VII: The New Humanism.

**Learning Objectives:**

1. To make students familiar with the history of the architecture of a wide cross section of global cultural traditions, including the way in which architecture was or is practiced, institutions were established and operated, and ideas were disseminated. To do so, it is necessary to make students aware of the fact that architecture is the product of social, cultural, religious and political forces and cannot be understood without introducing those issues and studying their place in the civilization or national history being analyzed. At any given point of time in the past, great cultures and civilizations have existed all over the world. These cultures and civilizations interacted and were interconnected. This means that there is a great deal more texture and complexity to world history that has typically been conveyed by the more conventional, Eurocentric history course offered in the past.
2. To allow students to understand how these traditions, practices and institutions were or are historically transmitted.
3. To have students become familiar with the significant architects and theoreticians, groups and leaders of each culture and tradition, and to provide students with a fundamental level of literacy in the topics, names, terms and ideas of the historical period being studied.
4. Read and be able to analyze the significant texts that are a part of each of these histories and traditions.
5. Understand the continuity between the past examples of each tradition and their later manifestations.

6. To make students aware of the integral connection between architecture and the environment and the fact that people in the past had a more finely attuned relationship with the natural environment and their local context than we do today. They built in direct response to these factors. We have a great deal to learn from this traditional wisdom, and must approach the study of it with respect, rather than dismissing it as quaint and primitive.

**To achieve these objectives, student will:**

1. Cover materials from a substantially long period that includes both originating works and institutions and the later works that were influenced by them.
2. Read primary sources.
3. Address the ways in which new cultural and historical contexts affect the development of ideas, practices and institutions.
4. Explore the different perspectives by which works and ideas have been analyzed in different eras, countries and cultural contexts.

**Course Schedule:**

**Session I: The Search for Meaning in the Cosmos.**

1. **1/11/17: Introduction**
2. **1/13/17: Film. *Gobekli Tepe The World's First Temple*, Ahmet Turgut Yazman 2010.**
3. **1/18/17: Prehistoric Architecture.**

Lascaux Cave, France, Altamira Cave, Spain.

Catal Huyuk and Golbeki Tepe, in Turkey

Skara Brae, in the Orkney Islands, Stonehenge, Silbury Hill, Avebury, in Wiltshire, Newgrange (*Sí an Bhrú*) County Meath, Ireland.

Malta: Gozo: Ggantiga, Malta:Hal Tarxian, Hagar Qin, Mnajdra.

**Read: *A World History of Architecture* by Michael Fazio, Marian Moffett and Lawrence Wodehouse. Laurence King, London, 2013: pp.10 to 14.**

**Additional Sources Session I:**

David Trump: *Malta Before History*, Miranda Publishers, 2004.

*The Archaeology of Death and Burial*, Michael Parker Pearson, Sutton Publishing, 2003.

Andrew Curry, "Seeking the Roots of Ritual," *Science* 319 (18 January 2008), pp. 278–80.

J. Peters & K. Schmidt: "Animals in the Symbolic World of Pre-Pottery Neolithic Göbekli Tepe, south-eastern Turkey: a preliminary assessment." *Anthropozoologica* 39.1 (2004), 179–218.

National Geographic, "Naked Science: Ancient Astronomers?": Presents Chantal Jegues-Wolkiewiez, theory that 126 of 130 of the Paleolithic caves in France were aligned with Solstices and Equinoxes.

**Session II: River Cultures of the World.**

1. **1/20/17: River Cultures.**

The Indus: The Harappa Culture, Harappa and Mohenjodaro, The Tigris and Euphrates: Mesopotamia, the Sumerians, the Ohio River Valley.

**Read: *A World History of Architecture* by Michael Fazio, Marian Moffett and Lawrence Wodehouse. Laurence King, London, 2013: pp. 14-19.**

## **2. 1/25/17: Egypt: Gift of the Nile.**

The Early Dynastic Period (3000-2650 B.C.) The Scorpion King.

The Old Kingdom (2650-2150 B.C.) : Age of the Pyramids.

The Middle Kingdom (2040-1640 B.C.) Deir al Bahri

The New Kingdom (1550-1070 B.C.) Temples: Karnak, Abu Simbel.

Read: *A World History of Architecture* by Michael Fazio, Marian Moffett, and Lawrence Wodehouse. Laurence King, London, 2013. : pp. 20-29.

### Additional Sources Session II:

Aronovsky, Ilona; Gopinath, Sujata. *The Indus Valley*. Heinemann, Chicago, 2005.

Kenoyer, Jonathan Mark: *Ancient cities of the Indus Valley Civilisation*. Oxford University Press.1998.

Sir Leonard Woolley: *A Forgotten Kingdom*, Penguin Books, 1953.

*The Pyramids of Egypt*, I. E. S. Edwards; John Cruikshank Rose. Penguin Books, 1955.

*The Art and Architecture of Ancient Egypt* W. Stevenson Smith. Penguin Books, 1958.

*The Art and Architecture of Ancient Egypt*. The Yale University Press, Pelican, 1999. by W. Stevenson Smith.

Knapp, Ronald G.; Spence, Jonathan; Ong, A. Chester *Chinese Houses: The Architectural Heritage of a Nation*, Tuttle Publishing, 2006.

Schinz, Alfred. *The Magic Square: Cities in Ancient China*, Edition Axel Menges, 1996.

Sickman L and Soper A. *The Art and Architecture of China* Penguin Books, 1956.

### **Session III: The Origins of Classical Greece, its Apogee and Legacy.**

#### **1. 1/27/17: The Minoans.**

Read: *A World History of Architecture* by Michael Fazio, Marian Moffett, and Lawrence Wodehouse. Pp.35,36.

#### **2. 2/1/17: The Mycenaeans and Ancient Greece**

Read: *A World History of Architecture* by Michael Fazio, Marian Moffett, and Lawrence Wodehouse. 39-44.

#### **3. 2/3/17: Classical Greece and the Hellenistic Age**

Read: *A World History of Architecture* by Michael Fazio, Marian Moffett, and Lawrence Wodehouse. 45-52.

Read: *A World History of Architecture* by Michael Fazio, Marian Moffett, and Lawrence Wodehouse. 53-61.

### Additional Sources: Session III.

Bettany Hughes Documentaries: *The Minotaur's Island*, 2003, and *The Minoans*, 2004; both produced by Lion TV. Will be shown in their entirety.

R.E. Wycherley, *How the Greeks Built Cities*, MacMillan, 1973

William Bell Dinsmoor. *The Architecture of Ancient Greece: An Account of Its Historic Development* Biblo and Tannen, 1973

James Steele, *Hellenistic Architecture in Asia Minor*, Academy, London, 1988.

### **2/8/17: Review for Midterm Examination I**

### **2/10/17: Midterm Examination I: On Sessions I, II, III.**

## **Session IV: The Rise and Fall of Empires.**

### **1. 2/15/17: Rome I**

Read: *A World History of Architecture* by Michael Fazio, Marian Moffett, and Lawrence Wodehouse: pp. 105-107, The Etruscans  
And 108-130 on the Roman Republic and Empire.

### **2. 2/17/17: Rome II and Byzantium**

Read: *A World History of Architecture* by Michael Fazio, Marian Moffett, and Lawrence Wodehouse: pp. 134-151.

### **3. 2/22/17: Seljuks and Ottomans:**

Read: *Handout by James Steele*

### **4. 2/24/17: Persian Empire.**

Read: *Handout by James Steele* (Published in *Architecture: The Whole Story*, Denna Jones, Ed. Thames and Hudson, 2014.

### **5. 3/1/17 and 3/3/17: Maya Inca and Aztec Architecture.**

Read: *Handout by James Steele*

## Additional Sources:

Brigitte Hintzen-Bohlen, *Art and Architecture in Rome*, 2012.

William L. MacDonald, *Architecture of the Roman Empire*, Yale University Press, 1988.

Dogan Kuban, *Ottoman Architecture*, ACC Press, London, 2014.

*Architecture: The Whole Story* Denna Jones, Ed. Thames and Hudson, 2014.

*Lost Worlds of South America: The Great Courses*, narrated by Professor Edwin Barnhart. Parts of this Audiobook will be shown in class.

Dennis Tedlock, *Popul Vuh*, Touchstone 1996.

## **3/8/17: Review for Midterm Examination II.**

## **3/10/17: Midterm Examination II: On Session IV.**

## **Session V: The Age of Faiths**

### **1. 3/22/17 and 3/24/17: Islam**

Read: *Handout by James Steele* (Published in *Architecture: The Whole Story*, Denna Jones, Ed. Thames and Hudson, 2014.

### **2. 3/29/17, 3/31/17 and 4/5/17: Buddhist Architecture** in India, China, Korea, Japan and Southeast Asia.

Read: *A World History of Architecture* by Michael Fazio, Marian Moffett, and Lawrence Wodehouse. pp.65-78.

Read: *A World History of Architecture* by Michael Fazio, Marian Moffett, and Lawrence Wodehouse. Laurence King, London, 2013. : pp. 84-91.

### **3. 4/7/17: Early Christian and Romanesque Architecture.**

Read: *A World History of Architecture* by Michael Fazio, Marian Moffett, and Lawrence Wodehouse. pp.178-210.

### **4. 4/12/17: French Gothic Architecture.**

### **5. 4/14/17: Gothic in Britain.**

Read: *A World History of Architecture* by Michael Fazio, Marian Moffett, and Lawrence Wodehouse. pp.213-293.

## **Session VI: The New Humanism.**

### **1. 4/19/17 and 4/21/17: Introduction to the Renaissance.**

**4/26/17 and 4/28/17: Review for Final Exam.**

**Final Exam: Monday, May 8, 2017. 8:00-10:00 a.m.**

Additional Sources:

*Architecture: The Whole Story*, Denna Jones, Ed. Thames and Hudson, 2014

Guntram Koch: *Early Christian Art and Architecture*, SCM Press, 2012

Mira Locher, Ben Simmons, *Traditional Japanese Architecture, An Exploration of Forms*. Tuttle Publishing, 2010.

Edwin Panofsky, *Gothic Architecture and Scholasticism*, Arch Abbey Publications, 2006.

Kenneth Bartlett: *The Renaissance*, Notes transcribed by James Steele from The Great Courses. Audiotape, Will be distributed.

**Textbook for this course:** *A World History of Architecture* by Michael Fazio, Marian Moffett, and Lawrence Wodehouse. Laurence King, London, 2013.

**Readings from this textbook will be posted on Blackboard.**

### **Course Requirements and Grading;**

Examination 1: 20%

Examination 2: 20%

Term Project

and paper: 15%

Final Examination: 30%

Quizzes and

Class Participation: 15%

### **Attendance Policy / Quizzes and Class Participation**

Any student not in class within the first 10 minutes is considered absent, and any student absent (in any form including sleep, technological distraction, or by leaving mid class for a long bathroom/water break) for more than 1/3 of the class time can be considered fully absent. If arriving late, a student must be respectful of a class in session and do everything possible to minimize the disruption caused by a late arrival.

Quizzes are given as a means of evaluating student understanding of the lectures as well as recording attendance. Two missed quizzes (unexcused absences) are allowed without penalty. Except in the case of extenuating circumstances, makeup quizzes will not be given.

Missing more than the equivalent of one week of class (two absences) will have a significant effect on the student's grade.

Class Participation is based on involvement in the three discussion sessions noted on the Course Schedule, as well as other opportunities for class discussion that arise.

### **General rule:**

Anything that detracts from a fellow student's learning experience or ability to assimilate the information being presented, such as talking during lectures, disruptive behavior, eating during class, talking on cellphones and so on, will result in a request to leave the class.

### **Grade Scale**

4.0 = 97.0 - 100 = A+ (grade of A and Commendation)

4.0 = 93.0 - 96.9 = A

3.7 = 90.0 - 92.9 = A-

3.3 = 87.0 - 89.9 = B+

3.0 = 83.0 - 86.9 = B

2.7 = 80.0 - 82.9 = B-

2.3 = 77.0 - 79.9 = C+

2.0 = 73.0 - 76.9 = C

1.7 = 70.0 - 72.9 = C-

1.3 = 67.0 - 69.9 = D+

1.0 = 63.0 - 66.9 = D

0.7 = 60.0 - 62.9 = D-

0 = <60.0 = F

### **NAAB Student Performance Criteria Addressed**

A.7 Use of Precedents

A.9 Historic Traditions and Global Culture

A.10 Cultural Diversity

Student mastery of SPCs constitutes 80% of student grade in all areas listed above.

### **Bibliography**

Alfieri, Bianca Maria. *Islamic Architecture of the Indian Subcontinent*, Lawrence King, London, 2000

Adams, Cassandra. "Japan's Ise Shrine and Its Thirteen Hundred Year Old Reconstruction Tradition," *Journal of Architectural Education* #52, No. 1, 1988

Atroshenko, V.I. and Judith Collins. *The Origin of the Romanesque*, Lund Humphries, London, 1985

Argan, Giulio Carlo. *Michelangelo Architect*, Thames & Hudson, 1993

Arnold, Dieter. *The Encyclopedia of Ancient Egyptian Architecture*, Princeton University Press, 2003

Ball, Larry. *The Domus Aurea and the Roman Architectural Revolution*, Cambridge University Press, 2003

Bandmann, Gunther. *Early Medieval Architecture as Bearer of Meaning*, Columbia University Press, 2005

Barletta, Barbara. *The Origins of the Greek Architectural Orders*, Cambridge University Press, Cambridge 2001

Barnes, Gina. *Proto-historic Yamato: Archeology of the First Japanese State*, University of Michigan Center for Japanese Studies, 1988

- Boatwright, Mary. *Hadrian and the City of Rome*, Princeton University Press, Princeton, NJ, 1987
- Bony, Jean. *French Gothic Architecture in the 12<sup>th</sup> and 13<sup>th</sup> Centuries*, University of California Press, Berkeley, 1983
- Burl, Aubrey. *The Stone Circles of the British Isles*, Yale University Press, 1976
- Castleden, Rodney. *The Knossos Labyrinth*, Routledge, London, 1990
- Chandler, David. *A History of Cambodia*, Westview Press, Boulder, CO, 2000
- Chang, Kwang-chih. *Shang Civilization*
- Chappell, Sally Anderson. *Cahokia: Mirror of the Cosmos*, University of Chicago Press, Chicago, 2002
- Chihara, Daigoro. *Hindu-Buddhist Architecture in Southeast Asia*, EJ Brill, NY, 1999
- Ching, Francis D.K., Mark M. Jarzombek, Vikramaditya Prakash, *A Global History of Architecture*, John Wiley and Sons, New York, 2010
- Coaldrake, William. *Architecture and Authority in Japan*, Routledge, London, 1996
- Coffin, David, *The Villa in the Life of Renaissance Rome*, Princeton University Press, 1979
- Comant, Kenneth. *Carolingian and Romanesque Architecture 800-1200*, Penguin Books, Baltimore, MD, 1959
- Daly, Georges. *The Age of Cathedrals, Art and Society 980-1420*, University of Chicago Press, 1981
- Ed-Hakim, Omar. *Nubian Architecture, the Egyptian Vernacular Experience*, Palm Press, Cairo, 1993
- Frederic, Louis. *Borobudur*, Abbreville Press, NY, 1996
- Freely, John. *Byzantine Monuments in Istanbul*, Cambridge University Press, 2004
- Fyfe, Theodore. *Hellanic Architecture, An Introductory Study*, Cambridge University Press, 1936
- Goodwin, Godfrey. *A History of Ottoman Architecture*, Thames & Hudson, London, 1971
- Grafor, Oleg. *The Alhambra*, Harvard University Press, Cambridge, MA, 1978
- Grant, Michael. *The Etruscans*, Charles Scribner, NY, 1989
- Harrison, Peter. *The Lords of Tikal, Rulers of the Ancient Maya*, Thames & Hudson, London 1999
- Holloway, Ross. *Constantine and Rome*, Yale University Press, New Haven, 2004
- Ishimoto, Yasahiro. *Katsura, Tradition and Creation in Japanese Architecture*, Yale University Press, 1972
- Joe, Wanne. *Traditional Korea, A Cultural History*, Hollyn International, Elizabeth, NJ, 1997
- Kenoyer, Jonathan. *Ancient Cities of the Ancient Indus Valley*, Oxford University Press, 1998. (Also cited as an additional source).
- Kidder, Edward. *The Lucky Seventh, Early Horyu-ji and Its Time*, S.C.U., Tokyo, 1999
- Kostof, Spiro. *A History of Architecture: Settings and Rituals*, Oxford University Press, 1995
- Kowalski, Jeff. *Mesoamerican Architecture as a Cultural Symbol*, Oxford University Press, 1999
- Krautheimer, Richard. *Rome, Profile of a City 312-1308*, Princeton University Press, Princeton, NJ, 2000
- Kuha, Shamil. *Mesoamerican Architecture and Town Planning From the Mesolithic to the End of the Proto-historic*, B.A.R., Oxford, 1987
- Li, Hsueh-chin. *Eastern Zhou and Qi Civilizations*, Yale University Press, 1985
- Liu, Tun-Chen. *Chinese Classical Gardens of Suzhou*, McGraw Hill, NY, 1993
- Livitsky, B. A. *A History of the Civilizations of Central Asia*, Vol. I-III, Unesco, Paris, 1992

- Loewe, Michael and E. L. Shaughnessy, *The Cambridge History of Ancient China*, Cambridge University Press, Cambridge, UK, 1999
- MacDonald, William Lloyd. *The Architecture of the Roman Empire*, Yale University Press, 1982. (Also listed in additional sources)
- MacDonald, William Lloyd. *The Pantheon, Design Meaning and Progeny*, Harvard University Press, 1976
- MacDonald, William Lloyd. *Early Christian and Byzantine Architecture*, G. Braziller, 1962
- MacDonald, William Lloyd and John A. Pinto, *Hadrian's Villa and Its Legacy*, Yale University Press, 1995
- Mitchell, George. *Architecture of the Islamic World: Its History and Social Meaning*, Thames & Hudson, 1984
- Mysliwicz, Karol. *The Twilight of Ancient Egypt: 1<sup>st</sup> Millennium B.C.*, Cornell University Press, Ithaca, NY, 2000
- Necipoglu, Gulru. *The Age of Sinan: Architectural Culture in the Ottoman Empire*, Keakton, London, 2005
- Nishi, Kazuo and Kazuo Hozumi, *What is Japanese Architecture?*, Kodansha, Tokyo, 1985
- Panofsky, Erwin. *Abbot Suger on the Abbey Church of St. Denis and its Art Treasures*, Princeton University Press, 1979
- Romain, William. *The Mysteries of Hopewell: Astronomy, Geometers, and Magicians of the Eastern Woodlands*, University of Akron, Ohio, 2000
- Scully, Vincent. *The Earth, The Temple and The Gods*, Yale University Press, 1962
- Sickman, Lawrence and Alexander Soper, *The Art and Architecture of China*, Penguin Books, 1971 (Also listed in additional sources)
- Steinhardt, Nancy S. *Chinese Architecture*, Yale University Press, 2002
- Steele, James. *Turkey: A Traveler's Historical and Architectural Guide*, Scorpion, London, 1990
- Taylor, William Lord. *The Myceneans*, Thames & Hudson, London, 1964
- Wright, Kenneth. *Machu Picchu: A Civil Engineering Manual*, American Society of Civil Engineers, Keston, VA, 2000

### **Statement for Students with Disabilities**

Any student requesting academic accommodations based on a disability is required to register with Disability Services and Programs (DSP) each semester. A letter of verification for approved accommodations can be obtained from DSP. Please be sure the letter is delivered to me (or to TA) as early in the semester as possible. DSP is located in STU 301 and is open 8:30 a.m.–5:00 p.m., Monday through Friday. The phone number for DSP is (213) 740-0776.

### **Statement on Academic Integrity**

USC seeks to maintain an optimal learning environment. General principles of academic honesty include the concept of respect for the intellectual property of others, the expectation that individual work will be submitted unless otherwise allowed by an instructor, and the obligations both to protect one's own academic work from misuse by others as well as to avoid using another's work as one's own. All students are expected to understand and abide by these principles. *Scampus*, the Student Guidebook, contains the Student Conduct Code in Section 11.00, while the recommended sanctions are located in Appendix A:

<http://www.usc.edu/dept/publications/SCAMPUS/gov/>. Students will be referred to the Office of

Student Judicial Affairs and Community Standards for further review, should there be any suspicion of academic dishonesty. The Review process can be found at:  
<http://www.usc.edu/student-affairs/SJACS/>.

“The USC School of Architecture’s five year BARCH degree and the two year M.ARCH degree are accredited professional architectural degree programs. All students can access and review the NAAB Conditions of Accreditation (including the Student Performance Criteria) on the NAAB Website, [http://www.naab.org/accreditation/2004\\_Conditions.aspx](http://www.naab.org/accreditation/2004_Conditions.aspx).”

**Term Project:**

The Term Project, which includes both writing and making, involves the assignment of a specific building included in this course to each student for background research, critical analysis and description, using primary sources of investigation. These examples will be chosen from historical traditions, including contemporary examples, that have taken place over a substantially long period of time, and include both originating works and institutions as well as later works influenced by them. The goal of this project is to address the ways in which new cultural and historical contexts affect the development of ideas, cultural practices and institutions.

To explore the different perspectives by which works and ideas have been analyzed in different eras or in different countries and cultural contexts, this project will include both a written portion and a physical model.

The specific requirements of the project will be distributed on the first day of class.