



INSTITUTE OF CLASSICAL  
ARCHITECTURE & ART  
FLORIDA CHAPTER

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CONTINUING EDUCATION MARCH 2019

## THE ELEMENTS OF CLASSICAL ARCHITECTURE: THE DORIC ORDER

**INSTRUCTOR:** David Case, AIA, ICAA

**DESCRIPTION:**

Acting as a base to the wider canon of classical architecture, the five classical orders have been used since antiquity as a means of proportioning buildings in a harmonious way, while simultaneously giving logic and meaning. The purpose of this course is to provide an in-depth study of the Doric Order, including its history, proportioning, and meaning. The history portion will cover the evolution of this order from its roots in Ancient Hellenic Cultures through its rediscovery in the modern-day movement of New Classicism. The study of Doric proportions will include a hand-drawn tutorial in which participants will compose the base, capital and entablature of the order on according to the American academic William Ware. Ware, who founded the schools of architecture at Columbia and MIT, in turn took his cues from the Renaissance treatise of the architect Giacomo Barozzi da Vignola.

**COURSE OBJECTIVES:**

- A brief introduction of the classical orders
- A history of the Doric Order, showing its evolution and variations from Antiquity to the Present
- A look at the application of the Doric Order to actual buildings and design elements
- To learn a system for laying out the Doric Order for a given set of dimensions in which individual components are proportioned as units of measure based on column diameter.
- Explore syntax related to using the Doric Order in architectural design including the pediment and intercolumniation

**COURSE PRE-REQUISITES:**

Course content is designed for those with limited exposure to the classical language, as well as for those seeking to refresh their literacy with the elements of classical architecture.

**COURSE FORMAT:**

Course instruction includes an illustrated introduction and drawing exercises. The majority of class time involves hands on drawing of the Doric order. The class begins with an illustrated introduction to the components of the Classical orders and the methodology for their construction, followed with step by step instructions in the drawing the Doric order. A visual presentation accompanies instruction.

**MEETING TIME:**

March 30, 9:00AM – 2:00PM

**REFERENCED TEXT:**

Note: copies of essential plates from books below and additional sources will be provided.

Ware, William. R. (1994 reprint). *The American Vignola: A Guide to the Making of Classical Architecture*. New York: Dover Publications, Inc.

- Plates and text on the Corinthian Order and related elements based on Vignola's codification of Ancient Roman examples, as interpreted by the American William Ware.

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**MATERIALS:** For in class drawing and notes:

- Sketchbook or Drawing Pad (loose leaf paper acceptable) – recommended size 11x 17
- Drawing pencils or lead holder with drawing leads (rec. F, HB, B, or 2B)
- Eraser
- Ruler or Architectural Scale – 12 inches minimum
- Pencil Sharpener or Lead Pointer
- Simple drawing compass (optional; highly recommended)

**INSTRUCTOR BIOGRAPHY:** (see Attached)

Credits: 5 hours

**RECOMMENDED TEXTS FOR FURTHER STUDY:**

- Adam, R. (1991). *Classical Architecture*. New York: Abrams.
- Alberti, Leon Battista. (1986 rep.) *The Ten Books of Architecture*. New York: Dover
- Chambers, W. (2003). *A Treatise on the Decorative Part of Civil Architecture*. Mineola: Dover.
- Chitham, R. (1985). *The Classical Orders of Architecture*. New York: Rizzoli.
- Cordingley, R. (2015 reprint). *The Orders of Architecture*. New York: Dover.
- Curl, J. S. (1992). *Classical Architecture*. New York: Van Nostrand Reinhold.
- D'Espouy, H. (1981). *Greek and Roman Architecture in Classic Drawings*. (J. Blatteau, Ed.) Mineola: Dover.
- Gibbs, James. (various reprints, ) *Rules for Drawing the Several Parts of Architecture*.
- Gromort, G. (2001). *The Elements of Classical Architecture*. (H. H. Reed, Ed.) New York: Norton.
- Mauch, J. M. (1988). *Parallel of the Classical Orders of Architecture*. (D. Rattner, Ed.) New York: Acanthus.
- McGoodwin, H. (1989). *Architectural Shades and Shadows*, Bates and Guild Co., Boston, 1926. AIA reprint.
- Onians, John (1989). *Bearers of Meaning: the Classical Orders in Antiquity, the Middle Ages and the Renaissance*. Princeton University Press
- Letarouilly, P. (1982). *Edifices de Rome Moderne*. New York: Princeton Architectural Press.
- Palladio, A. (1965). *The Four Books of Architecture*. Mineola: Dover.
- Stratton, A. (2003). *Form and Design In Classic Architecture*. Mineola: Dover.
- Stuart, J. (2008). *Antiquities of Athens*. New York: Princeton Architectural Press.
- Vignola, G. (2011 reprint). *Canon of the Five Orders of Architecture*. Mineola: Dover.
- Vignola, G. (1999 reprint). *Canon of the Five Orders of Architecture*. New York: Acanthus.
- Vitruvius, Trans. Smith, T.G. (2003). *On Architecture*. New York: Monacelli.
- Walker, C. Howard. (2007). *Theory of Moulding*. New York: Norton