

Department of Art Syllabus

I. ART 430 *Building Construction*, 3 Credit hours

II. PRE-REQUISITES: ART 272

III. TEXTBOOK:

Kilmer, O & Kilmer, R. (2016). *Construction Drawings and Details for Interiors*. NJ: John Wiley and Sons, Inc.

IV. COURSE DESCRIPTION

This course examines the organization and content of construction documents, drawings and specifications, and their role in the design and construction of interior design projects. Additionally, the various systems which comprise a building will be discussed.

V. RATIONALE

Interior Designers must be able not only to interpret but to organize and produce Construction Documents (CDs for short) in a collaborative effort with a multi-discipline design and engineering team. They need to understand their own role in the complex interaction which results in accurate Construction Documents and, ultimately, successful building projects.

VI. LEARNING OBJECTIVES AND OUTCOMES

The student will be able to:

- A. Understand the importance of communication and what comprises successful communication within the CDs and among the team members.
- B. Gain familiarity with the special vocabulary and symbology of CDs.
- C. Understand how CDs are organized and how to find information in them.
- D. Learn the relationship between the Drawings (graphic information) and the Specifications (written information).
- E. Understand the legal, contractual nature of CDs.
- F. Learn how CDs can be modified, and how to track changes.
- G. Understand the importance of time in the design and construction process, and how this consideration influences CD production.
- H. Become familiar with information and document resources available to the Design Professional for creating and improving CDs.

- I. Learn how Product Submittals affect the final project and the Interior Designer's opportunities and responsibilities regarding Submittals.
- J. Observe construction in progress and make a written report with photos.
- K. Gain familiarity with commonly used Interior Construction Systems, their selection criteria and the challenges and opportunities which each presents the Designer.
- L. Further explore areas of particular need or interest to class participants.

VII. COURSE TOPICS

The major topics to be considered are:

- A. Construction Document (CD) Philosophy, Organization
- B. Graphic and Information Systems in CDs
- C. Construction Document Production
- D. Communication, Coordination, Timeliness
- E. Scope of Work, Design Intent, Quality Standards
- F. Interior Construction Systems
- G. Construction Phase Observation and Reporting
- H. Submittals
- I. Supplementary Drawings and Instructions
- J. Contract Administration CDs
- K. Punchlists, Inspections
- L. Record Documents, As-Builts

VIII. EVALUATION

See Department of Art Syllabus Addendum for Grading Scale and Evaluation

IX. REFERENCES

- Ching, F. (2008). *Building Construction Illustrated*. Hoboken, NJ: John Wiley and Sons, Inc.
- McGowan, M. (2004). *Interior Graphic Standards*. Hoboken, NJ: John Wiley and Sons, Inc.
- Rengel, R. (2011). *The Interior Plan: Concepts and Exercises*. New York, NY: Fairchild Publications
- Harmon, S. & Kennon, K. (2011). *The Codes Guidebook for Interiors*. NJ: John Wiley and Sons, Inc.
- Piotrowski, C. & Rogers, E. (2007). *Designing Commercial Interiors*. NJ: John Wiley and Sons, Inc.
- Ballast, D. (2010). *Interior Design Reference Manual*. CA: PPI.
- Bergman, D. (2012). *Sustainable Design: A Critical Guide*. NY: Princeton Architectural Press.