

PAIER COLLEGE OF ART, INC.
Hamden, CT

STUDENT COURSE OUTLINE

COURSE TITLE: Lighting & Mechanical Systems

COURSE NO: ID381

SEMESTER HRS: 2

CLOCK HRS PER WK: 3
1 hour lecture, 2 hour studio

SEMESTER: Fall 2015

INSTRUCTOR: Vince Stryeski

COURSE DESCRIPTION: Lecture and studio extension of ID 323. A technical study of lighting and mechanical systems, introduction to illumination, computation, fixtures, controls and lamp types. Introduction to fuels, heating systems, heat loss, ventilation and air-conditioning. Prerequisite: one semester of second year interior design studio

COURSE OBJECTIVES: To develop a basic understanding and awareness of lighting as user, critic and designer. An introduction to heating and cooling systems.

TOPICAL OUTLINE:

1. Lighting
 - a. lighting and energy
 - b. sources and types of lighting
 - c. quantity and quality
 - d. rules of thumb
2. Mechanical systems
 - a. HVAC systems and advantages
 - b. heat loss
 - c. fuels, efficiency and the environment
3. Field trip(s)

TEXTBOOK: see Bibliography for recommended readings.

COURSE MATERIALS: hand and computer drafting materials and tools

ACADEMIC EXPECTATIONS:

Grading: Mid-term problems 25%
Final problem 25%
Class participation 50%

Make-up: To be discussed with instructor.

Attendance: Attendance is taken in all classes. Two excused absences are allowed in a two-semester hour class, three in a three-semester hour class, etc. Medical and all other absences must be documented or they will be treated as unexcused absences. Students are required to appear promptly for their classes. Arrival of five minutes after starting time will result in being marked late. Three accumulated latenesses per semester will count as one absence. For more information on attendance, consult the student handbook.

BIBLIOGRAPHY:

Winchip, Susan M..*Fundamentals of Lighting*. 1 ed. New York: Fairchild Publications, 2007. Print.

Binggeli, Corky. *Building Systems for Interior Designers*. 2 ed. New York, NY: Wiley, 2009. Print.

Assigned selected readings.